

22.2.2020

S.No.	Members	Signature
01	MS. C. Keerthana Asst. Professor, Dept. of CT NGMC. (Chairperson)	C. K. Keerthana 22/2/2020
02	Dr. Juliana Sunil Asst. Professor, Dept. of IT Rathinam College of Arts and Science Coimbatore. (University Nominee)	Juliana Sunil 22/2/2020
03	Dr. M. P. India Gandhi Asst. Professor (S) Dept. of Comp. Sci., Mother Teresa Women's University Kodaikanal (Subject Expert)	M. P. India Gandhi 22/2/2020
04	Dr. V. Shymala Susan Asst. Professor & Head Dept. of Comp. Science, A. P. C. Mahalaxmi College for Women, Theerthkudi (Subject Expert & Academic Auditor)	- Absent -
05	Mr. N. Paneer Selvam Director of Do Click Solutions Coimbatore. (Industry Expert)	N. Paneer Selvam 22/02/2020
06	Ms. S. Jegathombigathi (Alumni Member)	S. Jegathombigathi 22/02/2020

MINUTES

The Board of Studies for the Dept. of Computer Technology is conducted on 22.2.2020, Saturday at 9.30 A.M.

The following points were discussed:

* The Board framed the Courses of Study, Scheme of Examination and Syllabus for B.Sc. (CT) Course (2020-2023) Batch I to VI Semesters.

* The Course Code 19UCTXXX is changed as 20UCTXXX for all part III Courses.

* Co Subject Expert suggested that

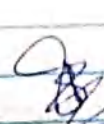
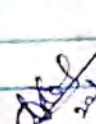
* Addition of 2's Complement, 9's complement and 10's Complement in 20UCT102.

* Strongly suggested to inter change Excess 3 code and Gray Code in 20UCT102.

* To Change Subject Course title as "Digital ~~Core~~ fundamentals and Computer organization" for 20UCT102.

* Swapping of Unit I and Unit II in 20UCT202.

* Swapping of Allied III: Big Data Analytics from Semester III to IV. and Allied IV: Processor. to Sem III.

S.No	Members	Signature
07.	Ms. K.S. Leelavathi Asst. professor, Dept. of CT NGMC	Kst 22/2/2020
08	Mr. R. Jayaprakash Asst. professor, Dept. of CT NGMC.	 22/2/2020
09	Ms. A. Kalairani Asst. professor, Dept. of CT NGMC.	 20/2/2020
10.	S. Ameerul Hg. - (17 CT 02) II - B.Sc. CT NGMC. (2017 - 20 Batch) (Student Member)	A.H. 22/02/2020
11.	S. Vennila - (17 CT 02) II - B.Sc. CT NGMC (2017 - 20 Batch) (Student Member)	S. Vennila 22/02/2020

* University Nominee strongly suggested that

* 20UCT4A4 - processor can be renamed as microprocessor and its Applications.

* 20UCT5E2 - Data Mining and Analytics can be renamed as Data mining and Warehousing Unit V: Content should be framed for Warehousing.

* Industry Expert suggested to include E-mail marketing and Search Engine Optimization in 20UCT6E5.

* Alumni and Current Batch student members suggested that to include Python programming. ²⁰

The following topics were excluded and included in curriculum as per panel members suggestion.

* Sem I, 20UCT102 - Digital fundamentals and Comp. Organization. Excluded topics are

* Data Latch - D-flipflop - Clocked Data Latch Positive Edge Triggered Data flip flop, T, JK, Master Slave flip flop.

Included topics are General Organization
Arithmetic Organization - Inst. formats - Data Transfer and Manipulation - RISC.

Memory Hierarchy - Main Memory - Auxiliary Memory - Associative memory - Cache Memory - Virtual memory.

* In Sem II, Discrete Mathematics - Excluded are Inclusion & Exclusion principle - Binary Relations. Eulerian & Hamiltonian Graph.
Include topics are Operation on Graph.

* In Sem III, Java programming - Included topics are Event Handling. Excluded topics are Applet Tag, Synchronization - Exception - Debugging - Reading & Writing Bytes.

* Sem III, DataBase Mgt. system Included topics are Sample Databases, Cursors - Types of Cursors - Implicit, Explicit cursor & Actions. Excluded topics are. Another Eg for Normalization Logging into SQL*plus - *plus commands - Oracle Error - SQL Worksheet, iSQL, Spooling - Error Codes.

Revisiting Substitution - DEFINE Commands - CASE stmt. Bind variables - Nested Blocks - PL/SQL Varrays - DBV.

* In OS. Excluded topics are Types of OS, Operation on process - Inter process Comm. - Multiprocessor Scheduling, Real time Scheduling.

Disk management

Included topics are

- * What is OS?
- * System Components.
- * OS Services.
- * System Calls.
- * System Structure.
- * Thread Overview - Benefits -
- * User & Kernel Threads.
- * Multithreading model.

* In s/w Engineering Excluded topics are System modeling - Mapping Data flow into s/w Arch.

A Strategic approach to slw testing - White Box Testing - function & Non functional testing.

Included topics are Testing for web Apps - Performance testing - objectives - Load & Stress testing.

* In Information Security the Included Topics are

* Basic Concepts. (Unit III)

* Introduction to TCP/IP (Unit V)

* In Embedded Systems - Included topics are

* Serial port device drivers.

* Device Driven for I/O.

* Inter process comm. - I/O Subsystem.

Included topics are.

* ISR Concept - Writing physical device

* Driving ISR in System.

* Multiple Threads in application.

* Task States - Principles - Co-operative Scheduling model.

* cyclic & Round Robin Scheduling - preemptive model.

* In Sem VI, Multimedia Techniques Included

topics are * Ellipse Generating Algorithms

* Audio file formats and CODEC's.

Included topics are

* point Clipping.

* Line Clipping

* Cohen Sutherland line Clipping

* Text Clipping.

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01. C. Keerthana.

C. S. 22/12/2020

Chair - Person

Board of Studies in B.Sc. CT (SF)

Nallamuthu Gounder Mahalingam College (Autonomous)

Pollachi - 642 001

Head of the Department

Department of Computer Technology (SF)

Nallamuthu Gounder Mahalingam College (Autonomous)

Pollachi - 642 001

02. Dr. Juliana Juni

Juni 22/12/2020

University Nominee

Board of Studies in B.Sc. CT (SF)

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Pollachi - 642 001

03. Dr. M.P. Indira Gandhi.

M.P. Indira Gandhi 22/12/2020

Subject Expert

Board of Studies in B.Sc. CT (SF)

Nallamuthu Gounder Mahalingam College (Autonomous)

Pollachi - 642 001

04. Dr. V. Shymala Susan.

— Absent

05. Mr. N. Panceeselvam.

Panceeselvam

Industrial Expert

Board of Studies in B.Sc. CT (SF)

Nallamuthu Gounder Mahalingam College (Autonomous)

Pollachi - 642 001

06. Ms. S. Jegathambigali.

Jegathambigali 22/12/2020

07. Mrs. K.S. Leelavathi

K.S. Leelavathi 22/12/2020

08. Mr. R. Jayaprakash

R. Jayaprakash 22/12/2020

09. MS. A. Kalaironi.

~~29/02/2020~~

10. S. Ameerul Husein.

~~22/02/2020~~

22/02/2020

11. S. Vennila.

~~22/02/2020~~

22/02/2020