

DEPARTMENT OF BCA

NALLAMUTHU GOUNDER MAHALINGAM COLLEGE
POLLACHI - 642001

23rd Board of Studies Meeting in the Department of
BCA

Date & Time: 28.06.2023 & 10.00 A.M

Agenda

BoS / BCA17.1	:	Welcome address and Opening Remarks by Chairman, Board of studies in BCA
BoS / BCA17.2	:	Confirmation of the Minutes of the 23 rd / Previous meeting of Board of studies in BCA held on 04.06.2023 and Action taken report of 22 nd meeting of Board of studies
BoS / BCA17.3	:	17.3.1 Syllabus of I BCA under Regulation 2023- 2024
		17.3.2 Syllabus of II BCA under Regulation 2024 – 2025
		17.3.3 Syllabus of III BCA under Regulation 2025- 2026
		Any other Discussions if any
BoS / BCA17.4	:	Suggestion given by BOS Members
BoS / BCA17.5	:	Any other items

**NALLAMUTHU GOUNDER MAHALINGAM COLLEGE
POLLACHI**

UG DEPARTMENT OF COMPUTER APPLICATIONS

MINUTES OF BOS MEETING

The 23rd Meeting of the Board of studies of the BCA Department was held on 28.06.2023 at 10.00 A.M.

1. The following members were present:

	Dr.K.Haridas Head & Associate Professor, BCA Department	Chairman
	Dr.D.Umamaheswari Assistant Professor, BCA	Internal Members
	Dr.R.Malathi Ravindran Associate Professor, BCA	
	Mr.S.DilipKumar Assistant Professor, BCA	
	Ms.N.Divya Assistant Professor, BCA	
	Mr.A.Muruganandham Assistant Professor, BCA	
	Dr.T.Sumadhi Assistant Professor, BCA	
	Ms.B.Kousalya Devi Assistant Professor, BCA	University Nominee
	Dr.K.Selvavinayaki Professor and Head Department of Computer Applications Sri Nehru College of Arts and Science, Coimbatore	
	Dr.S.Selvi Associate professor, Department of Computer Science PSG College of Arts & Science, Coimbatore	Academic Expert
	Dr.P.B.Pankajavalli Associate Professor, Department of Computer Science(SF) Bharathiar University, Coimbatore	Subject Expert

	Ms.R.Mohana Priya Programmer & Analyst CTS Pvt Ltd Coimbatore	Industry Expert
	Mr.N.Jeeva IOT Analyst & Support Tester TCS Pvt Ltd Chennai	Alumnus nominated by Principal / HoD
	Mr.A.Mohaboobasheq (20BC12)	Student Member
	Mr.M.Kavin Rathinam (20BC66)	



HoD

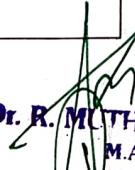
Dr. K. HARIDAS, M.C.A., M.Phil., Ph.D.,
Associate Prof. & Head,
Department of Computer Applications,
N.G.M. College (Autonomous), Pollachi - 642 001.


CDC Co-ordinator

K. SRINIVASAN, M.C.A.
Co-ordinator
Curriculum Development Cell (CDC)
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COE

Dr. R. MANICKA CHEZIAN, M.Sc., M.S., Ph.D.,
Controller of Examinations
NGM College (Autonomous)
POLLACHI - 642 001.


Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.
PRINCIPAL
N.G.M. College, Pollachi - 642 001.
Coimbatore District

BoS/BCA12.1 WELCOME ADDRESS AND OPENING REMARKS BY CHAIRMAN, BOARD OF STUDIES IN THE BCA DEPARTMENT

The Chairman, BoS of the BCA Department welcomed and introduced the members of 23rd Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.

BoS/BCA 12.2 TO CONFIRM THE MINUTES OF 22nd BOS MEETING HELD ON 04.06.2022. The minutes of the 22nd Board of Studies meeting held on 04.06.2022 were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved by 23rd Academic council.

~ Action Taken Report (Enclosed in Annexure 1)

- Based on the feedback of Academic Auditor the edition of the text book and the reference books should be updated in Mathematical Foundations of Computer Applications
- Based on the suggestion of Subject Expert and the Alumni, the Templates topic should be updated in C++ Programming.
- Based on the suggestion of Academic Auditor the chapter name of UNIT-IV should be renamed as "Algorithms" in Data Structures.
- Based on the feedback of Industry Expert and BCA Students Data Structures should be Preponed to Semester – I.
- Based on the feedback of Academic Auditor and Subject Expert the BOS meeting, the latest edition of text books have been updated in RDBMS.
- Based on the suggestion of our Alumni and BCA Students Graphics lab is replaced by Visual Basic lab.
- Based on the suggestion of Industry Expert Software Engineering is Preponed to III Semester.
- Based on the feedback of Subject Expert and Academic Auditor in the BOS meeting the units in ASP.Net are arranged in the specified order:

Unit-I: Introduction

Unit-II: C#

Unit-III & IV: ASP.Net

Unit-V: VB.Net

- Based on the feedback of University Nominee the paper titled 'ASP.Net' has been changed as 'Visual Programming' with all updations in both theory and lab papers.
- Based on the feedback of our Alumni and BCA Students Java Programming theory and lab preponed to Semester IV.
- Based on the feedback of Subject Expert the Computer System Architecture is updated and arranged according to the needs of the students.
- Based on the feedback of Academic Auditor the Interfaces should be added in the Java Programming. JSP topic should be taken before servlets and swing should be removed from the Syllabus.

- Based on the recommendation of Alumni and Industry Expert Python Programming topics are rearranged and new topics are added.
- Based on the recommendation of University Nominee the syllabus of Information Security should be simplified according to the UG level.
- Based on the recommendation of Alumni and Industry Expert and our BCA students, Mobile Application Development is altered and UI/UX should be added.
- Based on the recommendation of Subject Expert the Python topics should not be repeated in Data Science Syllabus and Python Programming preponed to Semester -V.
- Based on the recommendation of Subject Expert Raspberry Pi should be replaced by Adino in Internet of Things.
- Based on the recommendation of Academic Auditor the Current Trends and Technologies topics should not be repeated in the Internet of Things.
- Based on the recommendation of University Nominee the cloud computing is altered according to the current Scenario.
- Based on the recommendation of Industry Expert the Automation Testing should be improved since it affects the placement.

BoS/BCA 12.3

BoS/BCA 12.3.1

I BCA (I &II SEMESTER)

I SEMESTER

- ✓ 23UBC101 - CC I :Programming In C
- ✓ 23UBC102 - CC II :Data Structures
- ✓ 23UBC1A1 - GE I – Allied: Mathematics I- Computer Oriented Numerical and Statistical Methods
- ✓ 23UBC1A2 - GE I – Allied: Mathematics I - Discrete Mathematics - I
- ✓ 23UBC103 - CC Lab -I: Programming in C

II SEMESTER

- ✓ 23UBC204 - CC III :Object Oriented Programming With C++
- ✓ 23UBC205 - CC IV :Digital Computer Fundamentals

- ✓ 23UBC2A1 - GE II – Allied :Mathematics II– Mathematical Foundations Of Computer Applications
- ✓ 23UBC2A2 - GE II – Allied :Mathematics II - Discrete Mathematics - II
- ✓ 23UBC206 - CC Lab - II : Programming In C++
- ✓ 23UBC2S1 - SEC I: Naan Mudhalvan- Data science

The presented syllabus was accepted by the experts and a few suggestions were given as follows:

- As suggested by our Subject Expert Dr.B.Pankajavalli and the Alumni, the Flowcharts topic should be updated in Digital Computer Fundamentals.
- As suggested by our parent university, the optional paper for Allied subjects and Naan mudhalvan is introduced.

The following papers from BCA were accepted by the experts fully without further suggestions:

- ✓ 23UBC101 - CCI : Programming In C
- ✓ 23UBC102 - CCII : Data Structures
- ✓ 23UBC1A1 - GE I – Allied - I :Computer Oriented Numerical Methods And Statistical Methods
- ✓ 23UBC103 - CC Lab -I : Programming In C
- ✓ 23UBC204 - CCIII : Object Oriented Programming With C++
- ✓ 23UBC205 - CCIV : Digital Computer Fundamentals
- ✓ 23UBC2A1 - GE II - Allied - II : Mathematical Foundations Of Computer Applications
- ✓ 23UBC206 - CC Lab - II : Programming In C++

New Course Added: -

- ✓ 23UBC1A2 - GE I – Allied - I :Discrete Mathematics - I
- ✓ 23UBC2A2 - GE II - Allied - II Discrete Mathematics – II
- ✓ 23UBC2S1 - Naan Mudhalvan : Data science

BoS/BCA 12.3.2

<<II BCA (III & IV SEMESTER)>>

III SEMESTER

- ✓ 23UBC307 –CC V :Relational Database Management System And Oracle
- ✓ 23UBC308 - CCVI : Operating System & Linux
- ✓ 23UBC3A1 - GE III- Allied: Accountancy For Decision Making
- ✓ 23UBC3A2 – GE III – Allied: Financial Accounting
- ✓ 23UBC309 - CC Lab - III : Relational Database Management System And Oracle
- ✓ 23UBC310 - CC Lab - IV : Programming in Linux
- ✓ 23UBC3N1 - Non Major Elective - I : Web Designing Lab /
- ✓ 23UBC3N2 - Non Major Elective - I : Desktop Publishing Lab

IV SEMESTER

- ✓ 23UBC411 - CC -VIII :Visual Programming
- ✓ 23UBC412 - CC - IX :Java Programming
- ✓ 23UBC4A1 - GE IV - Allied: Mathematics III- Computer Based Optimization Techniques
- ✓ 23UBC4A2 - GE IV - Allied: Mathematics III- Business Mathematics
- ✓ 23UBC413 - CC Lab V:Visual Programming
- ✓ 23UBC414 - CC Lab VI: Java Programming
- ✓ 23UBC4S1 - SEC II: Naan Mudhalvan: Cloud Computing
- ✓ 23UBC4S2- SEC II: Naan Mudhalvan: DevOps Foundation
- ✓ 23UBC4N1 - Non Major Elective - II : Photo Effects Lab/
- ✓ 23UBC4N2 - Non Major Elective – II: Animation Lab

We have implemented Tamil and English language papers for the batch 2023–2026 in accordance with the parent university's directive (Reference No. BU/S2/S3/S4/BoS Meet/ Syll. Rev / 2023) regarding student mobility within Tamilnadu State Universities. The Tamil and English papers are introduced and Naan Mudhalvan papers are also introduced in II, IV and VI semester.

The presented syllabus was accepted by the experts and a few suggestions were given as follows:

- As suggested by our Academic Auditor Dr.S.Selvi and Subject Expert Dr.B.Pankajavalli in the BOS meeting, the latest edition of text books should be updated.
- As suggested by our University Nominee Dr.Selvavinayaki, Sub queries & joins should be added in the RDBMS.
- As suggested Subject Expert Dr.B.Pankajavalli, the Software Engineering theory paper and Visual Basic Programming lab paper is removed in the III Semester.
- As suggested by our University Nominee Dr.Selvavinayaki, the Computer System Architecture theory paper and Web designing lab is removed in the IV Semester.

The following papers from BCA were accepted by the experts fully without further suggestions:

- 23UBC308 – CC VI :Operating Systems & Linux
- 23UBC3A1 - GE III- Allied - III :Accountancy For Decision Making
- 23UBC309 – CC Lab - III : Relational Database Management System And Oracle
- 23UBC310 - CC Lab - IV : Operating Systems & Linux
- 23UBC3N1 - Non Major Elective - I : Web Designing Lab /
- 23UBC3N2 - Non Major Elective - I : Desktop Publishing Lab
- 23UBC411 - CC -VIII :Visual Programming
- 23UBC412 - CC - IX :Java Programming
- 23UBC4A4 - Allied - IV :Mathematics III - Computer Based Optimization Techniques
- 23UBC413 - CC Lab V:Visual Programming
- 23UBC414 - CC Lab VI: Java Programming
- 23UBC4N21 - Non Major Elective - II : Photo Effects Lab/
- 23UBC4N23 - Non Major Elective – II: Animation Lab

The following courses were revised with major / minor modifications.

- 23UBC307 –CC V: Relational Database Management System And Oracle

The following courses were removed

- 23UBC309 – Core VII: Software Engineering
- 23UBC312 – Core Lab - V: Visual Basic Programming

- 23UBC415 – Core X: Computer System Architecture
- 23UBC418 - Core Lab - VIII: Web Designing

New Course Added:

- ✓ 23UBC3A2 – GE III – Allied: Financial Accounting
- ✓ 23UBC4A2 - GE IV - Allied: Mathematics III- Business Mathematics
- ✓ 23UBC4S1 - SEC II: Naan Mudhalvan: Cloud Computing
- ✓ 23UBC4S2- SEC II: Naan Mudhalvan: DevOps Foundation

BoS/BCA12.3.3

<<III BCA (V&VI SEMESTER)>>

V SEMESTER

- ✓ 23UBC515 - CC - XI: Python Programming
- ✓ 23UBC516 - CC - XII: Skill Enhanced Course Software Testing
- ✓ 23UBC5E1 / - DSE-I: Networks
- ✓ 23UBC5E2 / - DSE-I: Organizational Behaviour
- ✓ 23UBC5E3 - DSE-I: Data Science
- ✓ 23UBC517 - CC Lab - VII: Python Programming
- ✓ 23UBC518 - CC Lab - VIII : Software Testing
- ✓ 23UBC519 - Mini Project
- ✓ 23UBC5AL - Advanced Learner Course –I : Adhoc and Sensor Networks
- ✓ 23UBC5S1 – Mobile Phone Services/
- ✓ 23UBC5S2 - Internet of Things

VI SEMESTER

- ✓ 23UBC620 - CC - XIII : Mobile Application Development
- ✓ 23UBC6E4 - DSE-II: Storage Management
- ✓ 23UBC6E5 - DSE-II: Artificial Intelligence and Expert Systems
- ✓ 23UBC6E6 - DSE-II: Information Security
- ✓ 23UBC6E7- DSE-III: Data Mining And Warehousing
- ✓ 23UBC6E8 - DSE-III: Cloud Computing
- ✓ 23UBC6E9 - DSE-III: Nano Computing

- ✓ 23UBC621 - CC Lab - IX : PhP Programming
- ✓ 23UBC622 - CC Lab - X : Mobile Application Development
- ✓ 23UBC6AL- Advanced Learner Course-II: Disaster Management
- ✓ 23UBC6S3 - Naan Mudhalvan: Interview Readiness
- ✓ 21UBC6S4 - Naan Mudhalvan: A 360° Interview Preparation Course

The presented syllabus was accepted by the experts and a few suggestions were given as follows:

- Based on the recommendation of Industry Expert, the software engineering is merged with software testing in the first 2 units.
- Based on the recommendation of Alumni, the current trends and technologies is updated to Artificial Intelligence and Expert Systems.
- Based on the recommendation of Industry Expert, the topics such as Flutter, React JS are added in Mobile Application Development.
- Based on the recommendation of Academic Auditor, the Php Programming theory paper is removed.

The following papers from BCA were accepted by the experts fully without further suggestions:

- 23UBC515 - CC - XI: Python Programming
- 23UBC5E1 - DSE-I: Networks
- 23UBC5E2 - DSE-I: Organizational Behaviour
- 23UBC5E3 - DSE-I: Data Science
- 23UBC517 - CC Lab - VII: Python Programming
- 23UBC518 - CC Lab - VIII : Software Testing
- 23UBC519 - Mini Project
- 23UBC5AL - Advanced Learner Course –I : Adhoc and Sensor Networks
- 23UBC5S1 – Mobile Phone Services/
- 23UBC5S2 - Internet of Things
- 23UBC620 - CC - XIII : Mobile Application Development
- 23UBC6E4 - DSE-II: Storage Management
- 23UBC6E5 - DSE-II: Artificial Intelligence and Expert Systems

- 23UBC6E6 - DSE-II: Information Security
- 23UBC6E7- DSE-III: Data Mining And Warehousing
- 23UBC6E8 - DSE-III: Cloud Computing
- 23UBC6E9 - DSE-III: Nano Computing
- 23UBC621 - CC Lab - IX : PhP Programming
- 23UBC622 - CC Lab - X : Mobile Application Development
- 23UBC6AL- Advanced Learner Course-II: Disaster Management
- 23UBC6S3 - Naan Mudhalvan: Interview Readiness
- 23UBC6S4 - Naan Mudhalvan: A 360° Interview Preparation Course

The following courses were revised with major / minor modifications.

- 23UBC516 - CC - XII: Skill Enhanced Course Software Testing

New Course Added:

- 23UBC6E5 - DSE-II: Artificial Intelligence and Expert Systems
- 23UBC6S3 - Naan Mudhalvan: Interview Readiness
- 23UBC6S4 - Naan Mudhalvan: A 360° Interview Preparation Course

These changes have been made effect for the students admitted in 2023 with I to VI Semesters accordingly.

We have implemented Tamil and English language papers for the batch 2022–2025 in accordance with the parent university's directive (Reference No. BU/S2/S3/S4/BoS Meet/ Syll. Rev / 2023) regarding student mobility within Tamilnadu State Universities. The scheme and syllabus for the third, fourth, fifth, and sixth semesters has been revamped as per BoS member's recommendation and may be authorized.

BoS/BCA12.4 SUGGESTIONS GIVEN BY THE BoS MEMBERS

12.4.1: University Nominee

- Sub queries & joins should be added in the RDBMS.

- The Computer System Architecture theory paper and Web designing lab is removed in the IV Semester.

12.4.2 Academic Auditor

- The latest edition of text books should be updated.
- The Php Programming theory paper is removed.

12.4.3 Subject Expert

- The Flowcharts topic should be updated in Digital Computer Fundamentals.
- The latest edition of text books should be updated.
- The Software Engineering theory paper and Visual Basic Programming lab paper is removed in the III Semester.

12.4.4 Industry Expert

- The Software engineering is merged with Software testing in the first 2 units.
- The topics such as Flutter, React JS are added in Mobile Application Development.

12.4.5 Alumni

- The Flowcharts topic should be updated in Digital Computer Fundamentals.
- The current trends and technologies is updated to Artificial Intelligence and Expert Systems.

The members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were incorporated appropriately in the Curriculum and Syllabi.

Based on the suggestions given by the members, BOS resolved to recommend the following to the Academic Council for further approval.

- a) The syllabus of First Year BCA under Regulation <<Regulation Number>>.
- b) The syllabus of Second Year BCA under Regulation <<Regulation Number>>.
- c) The syllabus of Third Year BCA under Regulation <<Regulation Number>>.
- d) Any other discussion

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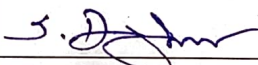
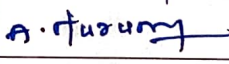
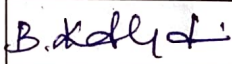
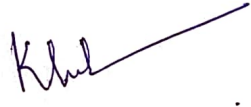
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UG DEPARTMENT OF COMPUTER APPLICATIONS

MINUTES OF BOS MEETING

The 23rd Meeting of the Board of studies of the BCA Department was held on 28.06.2023 at 10.00 A.M.

1. The following members were present:

Members Present	Signature
Chairman	
Dr.K.Haridas Head & Associate Professor, BCA Department	
Internal Members	
Dr.D.Umamaheswari Assistant Professor, BCA	
Dr.R.Malathi Ravindran Associate Professor, BCA	
Mr.S.DilipKumar Assistant Professor, BCA	
Ms.N.Divya Assistant Professor, BCA	
Mr.AMuruganandham Assistant Professor, BCA	
Dr.T.Sumadhi Assistant Professor, BCA	
Ms.B.Kousalya Devi Assistant Professor, BCA	
University Nominee	
Dr.K.Selvavinayaki Professor and Head Department of Computer Applications Sri Nehru College of Arts and Science, Coimbatore	
Academic Expert	
Dr.S.Selvi Associate professor, Department of Computer Science PSG College of Arts & Science, Coimbatore Selvisellapan75@gmail.com	

	Subject Expert	
	Dr.P.B.Pankajavalli Associate Professor, Department of Computer Science(SF) Bharathiar University, Coimbatore <u>pankajavalli@buc.edu.in</u>	P. B. <u>PJP</u> 28/6/23
	Industry Expert	
	Ms.R.Mohana Priya Programmer & Analyst CTS Pvt Ltd Coimbatore	Mohana Priya R
	Alumnus nominated by Principal / HoD	
	Mr.N.Jeeva IOT Analyst & Support Tester TCS Pvt Ltd Chennai	N. <u>Jeeva</u>
	Student Members	
	Mr.A.Mohaboobasheq (20BC12)	A. Mohaboobasheq
	Mr.M.Kavin Rathinam (20BC66)	M. Kavin <u>Rathinam</u>


HoD


CDC Co-ordinator

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