

MINUTES OF THE 17th BOARD OF STUDIES MEETING OF COMPUTER APPLICATIONS(UG) BCA DEPARTMENT HELD ON 9th December, 2023.

The 17th Board of Studies (BoS) Meeting of Computer Applications(UG), BCA Department was held on 9th December 2023 in which the following members were present:

Chairperson:

1. **Dr S. Gnana Sophia**
Head of the Department,
Department of Computer Applications,
Scott Christian College(Autonomous), Nagercoil-3.
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Faculty Members:

2. **Mr R. Shanthikaran**
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3. **Mrs. R. Suguna Jasmin**
Assistant Professor,
Department of Computer Applications
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4. **Dr. R.D Seeja**
Assistant Professor,
Department of Computer Applications
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5. **Dr D. Shiny**
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E-Mail: shinyd328@gmail.com

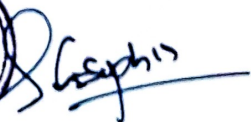
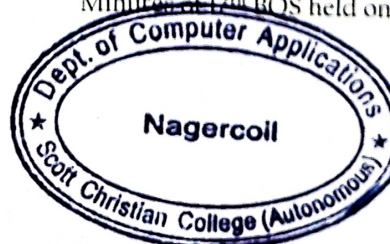


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D. Shiny
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Subject Expert 1:

6. **Dr. JEYAKUMAR M K** (from outside the parent university)
Professor, Department of Computer Applications
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Subject Expert 2:

7. **Dr. RAKESH R** (from outside the parent university)
Director
Department of management and computer Science,
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Affiliated to Kerala University
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E-Mail : rakeshsudara@gmail.com


DR. RAKESH. R B.Sc. MCA, MBA, M.A., M.D.
Associate Professor & Head of Department
Department of Management
C.H.M.M. College for Advanced Studies
(Approved by AICTE & Affiliated to University of Kerala)

Subject Expert (Nominated by VC)


8. **Dr.G. SUGANTHI**
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Dr. G. Suganthi
Associate Professor
Department of Computer Science
Women's Christian College
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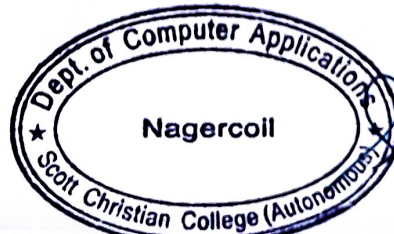
Representative :(from industry/corporate sector/allied area
relating to placement)

9. **Mr. J.S. FRANKLIN JOSE**
iDynamics Software Pvt Ltd.
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(FRANKLIN JOSE)


D. Hanu Jose

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Postgraduate meritorious alumnus

10. **Miss A. AKSHARA**
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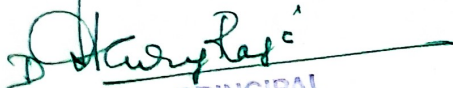
The Board of Studies meeting of the Computer Applications (UG) department was held on **9th December 2023 at 10 am** in the Department of BCA .

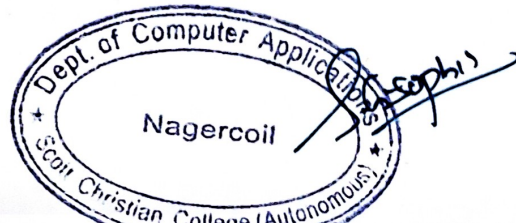
The meeting started with the Prayer by **Dr R.D. Seeja**. In the beginning, the Chairperson **Dr S. Gnana Sophia** introduced and welcomed the members.

Next, the agenda was taken up for discussion

Minute	
1	Confirmation of the Minutes of the 16th BoS meeting held on 24th JUNE, 2023 The member-secretary Mrs R Suguna Jasmin read the minutes of the 16 th BoS meeting held on 24 th June 2023 and the minutes were confirmed.
2	Action Taken Report on the Minutes of the 16th BoS meeting. The members of BoS carefully perused the "Action Taken Report(ATR)" presented by the member-secretary Mrs R Suguna Jasmin and expressed their satisfaction and appreciation.

3.	Introduction of new courses from the academic year 2023-2026. Dr D.Shiny proposed the introduction of the following NEW course(s) in the Curriculum of the Computer Applications (UG) Department from the academic year 2023-2026. The Scott Christian College (Autonomous) defines the focus reinforcing it academic programmes and student life experience on campus through the Graduate Attribute (GA), that describe knowledge, competencies, values and skills for students to imbibe holisti
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development, multidisciplinary development and contribution to society. These attributes comprise characteristics that are transferable beyond the sphere of study into the national and international realm through curricular, co-curricular and extra-curricular engagements. The equip life long personal development and employment. Every Graduate of Scott Christian College (Autonomous) – (SCC) is desired to possess various Graduate Attributes

An Undergraduate Degree is awarded to students who have demonstrated the achievement of the outcomes located at **level 4.5** on **National Higher Education Qualifications Framework (NHEQF)**

a. It is resolved to add the following course in the First Year (Semester II) of BCA with effect from the Academic Year 2023-2026.

Core/Elective courses with local/regional/national/global relevance

S.No	Name of the Course	Course Code	Semester	Hrs/Week	Credit	Relevance to the local, national, regional and global development needs
4	2.4 CC-3 : Cyber Security	23GR22	II	5	5	Global (Cybersecurity is now a global priority as cybercrime and digital threats grow in frequency and complexity)

An Undergraduate Diploma is awarded to students who have demonstrated the achievement of the outcomes located at **level 5** on **National Higher Education Qualifications Framework (NHEQF)**

b. It is resolved to add the following **two** courses in the Second Year (Semester III) of BCA with effect from the Academic Year 2023-2026

S.No	Name of the Course	Semester	Hrs/Week	Credit	Relevance to the local, national, regional and global development needs
1	3.7 MSP-2 :Data Structures Lab	III	2	1	Global Data structures help both machines and people understand how information is organised
2	3.8 Part IV VAC-1: Health & Wellness; Yoga Education, Sports and fitness. (Common to all)	III	0	1	Global self-esteem improves, and you become more confident. Builds Self control
	Industrial Visit	III			

c. It is resolved to add the following **four** courses in the Second Year (Semester IV) of BCA with effect from the Academic Year 2023-2026.

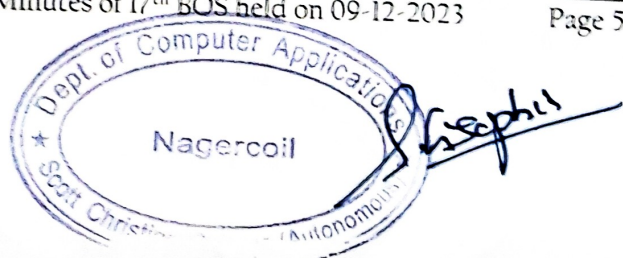
S.No	Name of the Course	Semester	Hrs/Week	Credit	Relevance to the local, national, regional and global development needs
1	4.3 Part III CC-6 : .Net Programming	IV	4	4	Global it has been proven to be a robust platform for developing apps and websites.

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2	4.4 CP-4 : .Net Lab	IV	3	2	Global one of the most productive platforms for programmers
3	4.8 NME-1: Basics of Internet	IV	2	2	Global it can link people from all over and create communities.
4	4.9 Internship	IV		1	Global develop the necessary skills required to stand out in a saturated job market.

An Undergraduate Degree is awarded to students who have demonstrated the achievement of the outcomes located at **level 5** on **National Higher Education Qualifications Framework (NHEQF)**

- d. It is resolved to add the following **six** courses in the Third Year (Semester V) of BCA with effect from the Academic Year 2023-2026.

S.No	Name of the Course	Semester	Hrs/Week	Credit	Relevance to the local, national, regional and global development needs
1	5.1 CC-7 : Machine Learning	V	4	4	Global to cut costs, mitigate risks, and improve overall quality of life including recommending products/services, detecting cybersecurity breaches, and enabling self-driving cars.

2	5.3 CE-2(Elective) Software Engineering	V	4	3	Global They design digital tools to help address problems, improve communication, simplify tasks, and store data.
3	5.4 MS-4(Allied) Cloud Computing	V	4	3	Global The cloud consists of online software and services without physical hardware like local computers or on-site servers.
4	5.5 CP- 5:Machine Learning Lab	V	3	2	Global Many of today's leading companies, such as Facebook, Google, and Uber, make machine learning a central part of their operations.
5	5.7 VAC-3 : Environmental Science (Common to all)	V	2	1	Global Environment belongs to all living beings and thus is important for all. Each one is affected by environmental issues
6	5.8 NME-2 : Office Automation -I	V	1	1	Global It is an useful program for creating a wide variety of documents, including letters, reports, research projects, updates, typesetting books and periodicals,

- e. It is resolved to add the following **three** courses in the Third Year (Semester VI) of BCA with effect from the Academic Year 2023-2026.

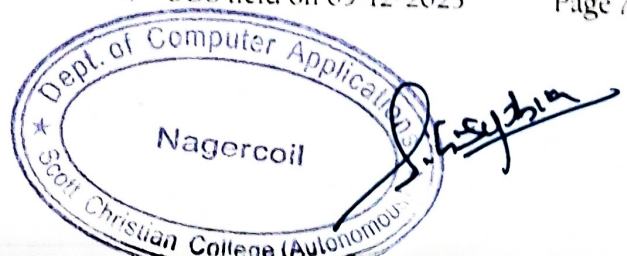
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S.No	Name of the Course	Semester	Hrs/Week	Credit	Relevance to the local, national, regional and global development needs
1	6.3 CE-3 Network security	VI	5	4	Global Helps to protect sensitive information such as financial data, personal information, and intellectual property
2	6.4 CE-4 2.Management Information System	VI	5	4	Global By applying the management principles, the managers can focus on optimum use of available resources so as to achieve productive results at minimum cost and maximum profits of the organisation's management which can make better decisions concerning the allocation of staff and resources
3	6.8 VAC-4 : Digital and Technological solutions(<i>Common to all</i>)	VI	2	1	Global It can help to streamline processes, increase efficiency, improve productivity and save business money

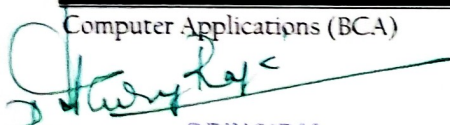
2. It is also resolved to shift the following courses with effect from the Academic Year 2023-2026.

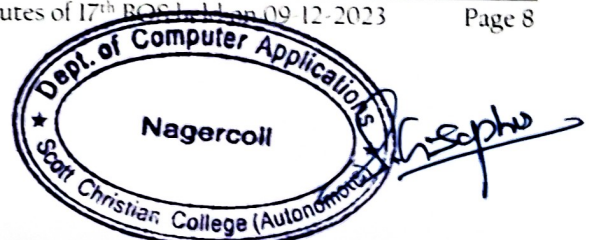
S.No	Name of the Course	Course Code	Hrs/Week	Credit	Justification
1	4.2 Core Elective II- 1. Data Structures (Semester IV)	20GREF	4	4	Considering the importance of National Higher Education Qualifications Framework (NHEQF) it was decided to shift Core Elective II- 1. Data Structures

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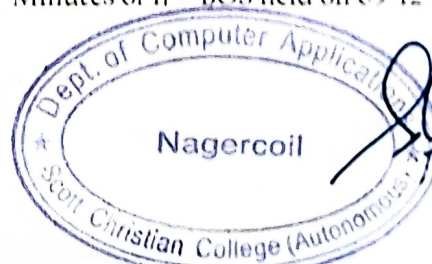
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					(Semester IV) to 3.6 Minor Stream -2(Allied) Semester III
2	3.2 Core Elective I 1. Operations Research (Semester III)	20GREA	4	4	Considering the importance of National Higher Education Qualifications Framework (NHEQF) it was decided to shift 3.4 Core Elective I 1. Operations Research to CC-5 (Semester III)
3	4.5 Allied B2 – Operating Systems(Semester IV)	20AR04	4	4	Considering the importance of National Higher Education Qualifications Framework (NHEQF) it was decided to shift Allied B2 – Operating Systems to 4.5 Minor Stream -3(Allied) Semester IV
4	2.8 Social Value Education (Semester II)	20SE21	2	2	Considering the importance of National Higher Education Qualifications Framework (NHEQF) it was decided to shift Social Value Education (Semester II) to 4.7 Part IV VAC- 2: Social Values and Understanding India (Common to all) Semester IV
5	6.5 Core Practical 7 – PHP Programming Lab(Semester VI)	20GRP7	5	3	Considering the importance of National Higher Education Qualifications Framework (NHEQF) it was decided to shift Core Practical 7 – PHP Programming Lab to 4.6 Minor Stream Practical -3 Semester IV
6	2.7 Non Major Elective 1I- Office Automation II (Semester II)	20GDN2	4	2	Considering the importance of National Higher Education Qualifications Framework (NHEQF) it was decided to shift Non Major Elective 1I- Office Automation II (Semester II) to 6.9 Non Major Elective 3-


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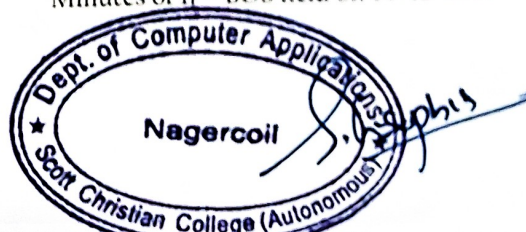
					Office Automation II (Semester VI)
7	4.2 Core Elective II 2. Artificial Intelligence (Semester IV)	20GREG	4	4	Considering the importance of National Higher Education Qualifications Framework (NHEQF) it was decided to shift Core Elective II 2. Artificial Intelligence (Semester IV) to 5.2 CC-8 (Semester V)
8	5.3 Core Elective III 1. Software Project Management (Semester V)	20GREC	5	4	Considering the importance of National Higher Education Qualifications Framework (NHEQF) it was decided to shift Core Elective III 1. Software Project Management (Semester V) to 5.3 Core Elective II (1) (Semester V)
9	5.7 Skill Based III- Quantitative Aptitude (Semester V)	20GRS1	2	2	Considering the importance of National Higher Education Qualifications Framework (NHEQF) it was decided to shift Skill based III Quantitative Aptitude (Semester V) to 5.6 Part IV SEC-3 (Semester V)
10	5.2 Core 8 – RDBMS & ORACLE (Semester V)	20GR52	4	4	Considering the importance of National Higher Education Qualifications Framework (NHEQF) it was decided to shift Core 8 – RDBMS & ORACLE (Semester V) to 6.1 CC-10 (Semester VI)
11	5.6 Core Practical – 6 RDBMS & ORACLE Lab	20GRP6	5	3	Considering the importance of National Higher Education Qualifications Framework (NHEQF) it was decided to shift 5.6 Core

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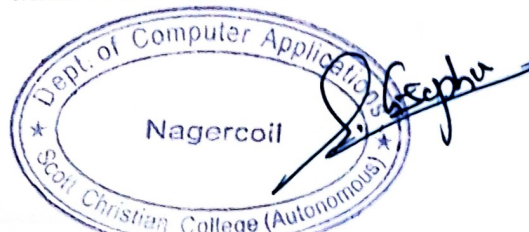
					Practical – 6 RDBMS & ORACLE Lab to 6.5 CP -6
12	6.3 Core Elective V 2. Computer Networks (Semester VI)	20GREE	5	4	Considering the importance of National Higher Education Qualifications Framework (NHEQF) it was decided to shift Core Elective V 2. Computer Networks Semester VI to 6.3 Core Elective 3 1. Computer Networks (Semester VI)
13	5.4 Core Elective IV 2. Principles of Management (Semester V)	20GRED	5	4	Considering the importance of National Higher Education Qualifications Framework (NHEQF) it was decided to shift Core Elective IV 2. Principles of Management (Semester V) to 6.4 Core Elective -4 , 1. Principles of Management (Semester VI)
14	6.7 Skill Based IV Logical Reasoning (Semester VI)	20GRS2	2	2	Considering the importance of National Higher Education Qualifications Framework (NHEQF) it was decided to shift Skill Based IV Logical Reasoning (Semester VI) to 6.7 Part IV SEC-4 (Semester VI)
15	6.4 Project (Semester VI)	20GRD1	5	4	Considering the importance of National Higher Education Qualifications Framework (NHEQF) it was decided to shift 6.4 Project to CC-9 : Project (Semester V)
16	3.4 Allied - B1 - Problem Solving Using Python	20AR03	4	4	It was decided to shift 3.4 Allied - B1 - Problem Solving Using Python to 1.3 Core Course – CC I: Python Programming
17	3.5 Allied Practical B1 - Python Programming Lab	20ARP3	2	1	It was decided to shift 3.5 Allied Practical B1 - Python Programming Lab to Core Course – CC II: Python Lab

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It is resolved to remove the following courses in the Second Year of BCA with effect from the Academic Year 2023-2026.

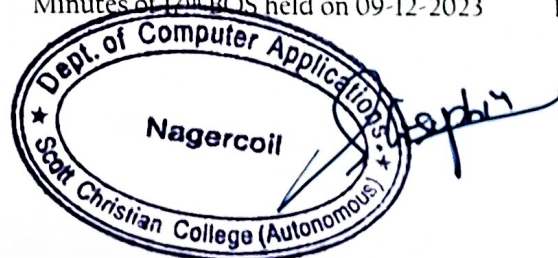
S. No	Name of the Course	Course Code	Hrs/ Week	Credit	Justification
1	3.2 Core Elective I 2. Computer Oriented Numerical Methods	20GREB	4	4	Closed form solutions which only exist for a very small class of problems, and even needs numerical methods to evaluate all but the simplest ones.
2	3.6 Skill Based I - Leadership and Management Skills	20SB01	2	2	Advanced topics of skill based was included
3	4.1 Core 5 - Windows Programming	20GR41	4	4	The NET Framework provides extensive tools and class libraries that make it one of the most productive platforms for programmers
4	4.4 Core Practical 4 - Windows Programming Lab	20GRP4	2	1	.Net is a popular framework for creating a variety of applications. It can be used to create web applications, desktop applications, and mobile applications.
5	4.7 Skill Based II - Computer Literacy	20SB02	2	2	Reduced physical activity Social isolation possibility Dependence on technology
6	5.1 Core 7 -Web Programming	20GR51	4	4	The . NET Framework provides extensive tools and class libraries that make it as one of the most productive platforms for programmers
7	5.3 Core Elective III 2.Cyber Law.		5	4	It also increases the risk of security breaches that result in loss of money, customer trust, and the company's reputation.
8	5.4 Core Elective IV 1. Marketing Management		5	4	MIS is specifically designed to support the

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					management function in the organization.
9	5.5 Core Practical 5 - Web Programming Lab	20GRP5	5	3	.Net is a popular framework for creating variety of applications. It can be used to create web applications, desktop applications, and mobile applications.
10	6.1 Core 9 – PHP Programming	20GR61	4	4	Applications can easily be loaded which are based on PHP and connected to the database. It's mainly used due to its faster rate of loading over slow internet
11	6.3 Core Elective -V 1. Internet of Things		5	4	Complexity : IoT systems are complex in terms of design as they use multiple technologies. Compliance: Complexity of IoT systems makes the issue of compliance more challenging.

Existing Curriculum & Syllabus of I BCA , Semester II

Module	Subject	Course Code	Hours	Credits
2.1	Part I –Tamil	20LT21	6	3
2.2	Part II – English	20LE21	6	3
2.3	Part III Core 2 - Object Oriented Programming with C++	20GR21	4	4
2.4	Core Practical 2 - Object Oriented Programming with C++ Lab.	20GRP2	2	1
2.5	Allied-A2-Web Design	20AR02	4	4
2.6	Allied Practical - A2 - Web Design Lab	20ARP2	2	1
2.7	Non Major Elective 2- Office Automation II	20GDN2	4	2
2.8	Social Value Education	20SE21	2	2
Total			30	20

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Dept. of Computer Applications
 Nagercoil
D. Joseph

Revised Curriculum & Syllabus to be implemented from 2023-2026 for II BCA
(Semester II)

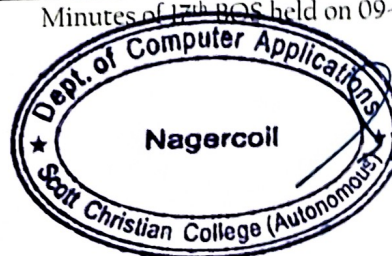
S.No	Name of the Course	Semester	Hrs/Week	Credit	Relevance to the local, national, regional and global development needs
1	2.1 Part I MEL-2 Modern Indian Language	II	6	3	Local
2	2.2 Part II CE-2 Communicative English	II	6	3	Global
3	2.3 Part III CC-2 : Object Oriented Programming with C++	II	4	4	Global
4	2.4 CC-3 : Cyber Security	II	5	5	Global
5	2.5 CP-2 : Object Oriented Programming with C++ Lab	II	3	2	Global
6	2.6 MS-1(Allied) : Web Design	II	4	3	Global
7	2.7 MSP-1 : Web Design I	II	2	1	Global
Total			30	21	

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Existing Curriculum & Syllabus of II BCA , Semester III

Module	Subject	Course Code	No. of Teaching/ Practical Hours perweek	Credit
	Part I – Tamil	20LT31	6	3
	Part II – English	20LE31	6	3
3.1	Core 3 - JAVA Programming	20GR31	4	4
3.2	Core Elective I 1. Operations Research 2. Computer Oriented Numerical Methods	20GREA	4	4
3.3	Core Practical 3 - JAVA Programming Lab	20GRP3	2	1
3.4	Allied - B1 - Problem Solving Using Python.	20ARP1	4	4
3.5	Allied Practical B1 - Python Programming Lab	20ARP3	2	1
3.6	Skill Based I - Leadership and Management Skills	20SB01	2	2
	Industrial Visit			
Total			30	22

**Revised Curriculum & Syllabus to be implemented from 2023-2026 for II BCA
(Semester III)**

S.No	Name of the Course	Semester	Hrs/Week	Credit	Relevance to the local, national, regional and global development needs
I	3.1 Part I –MEL-3 : Modern Indian Language	III	6	3	Local

2	3.2 Part II –CE-3 : Communicative English	III	6	3	Global
3	3.3 Part III CC-4 : Java Programming	III	4	4	Global
4	3.4 CC-5 : Operations Research	III	5	5	Global
5	3.5 CP-3 : Java Programming Lab	III	3	2	Global
6	3.6 MS-2(Allied) : Data Structures	III	4	3	Global
7	3.7 MSP-2 :Data Structures Lab	III	2	1	Global
8	3.8 Part IV VAC-1: Health & Wellness; Yoga Education, Sports and fitness. (Common to all)	III	0	1	Global
Total			30	22	

Existing Curriculum & Syllabus of II BCA , Semester IV

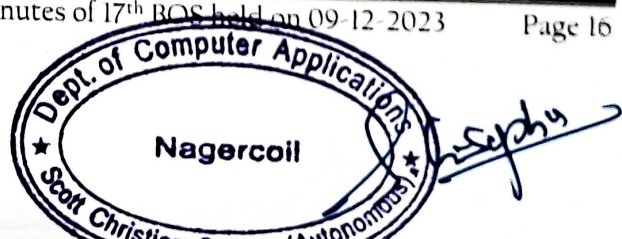
Module	Subject	Course Code	No. of Teaching/ Practical Hours perweek	Credit
	Part I – Tamil	20LT41	6	3
	Part II – English	20LE41	6	3

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4.1	Core 5 - Windows Programming	20GR41	4	4
4.2	Core Elective II 1. Data Structures 2. Artificial Intelligence	20GREB	4	4
4.4	Core Practical 4 - Windows Programming Lab	20GRP4	2	1
4.5	Allied B2 - Operating Systems	20AR042	4	4
4.6	Allied Practical B2 - Operating Systems Lab	20ARP4	2	1
4.7	Skill Based II - Computer Literacy	20SB02	2	2
	Total		30	22

Revised Curriculum & Syllabus to be implemented from 2023-2026 for II BCA (Semester IV)

S. No	Name of the Course	Semester	Hrs/Week	Credit	Relevance to the local, national, regional and global development needs
1	4.1 Part I –MEL-4 : Modern Indian Language	IV	6	3	Local
2	4.2 Part II –CE-4 : Communicative English	IV	6	3	Global
3	4.3 Part III CC-6 : .Net Programming	IV	4	4	Global
4	4.4 CP-4 : .Net Lab	IV	3	2	Global
5	4.5 MS-3(Allied) : Operating Systems	IV	4	3	Global

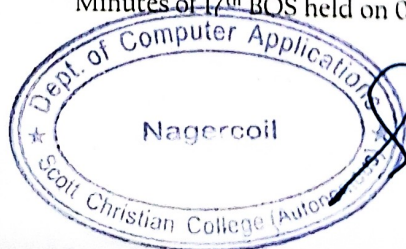
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6	4.6 MSP-3 :PHP Lab	IV	3	2	Global
7	4.7 Part IV VAC-2 : Social Values Understanding India(<i>Common to all</i>)	IV	2	1	Global
8	4.8 NME-1: Basics of Internet	IV	2	2	Global
9	4.9 Internship	IV		1	

Total 30 21

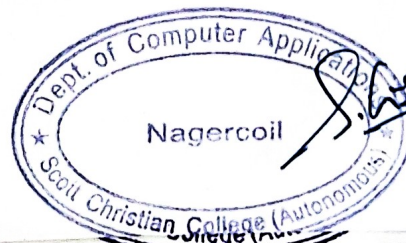
Existing Curriculum & Syllabus of III BCA , Semester V

Module	Subject	Course Code	No. of Teaching/ Practical Hours perweek	Credit
5.1	Core 7 -Web Programming	20GR51	4	4
5.2	Core 8 – RDBMS & ORACLE	20GR52	4	4
5.3	Core Elective III 1. Software Project Management 2. Cyber Law	20GREC	5.	4
5.4	Core Elective IV 1. Marketing Management 2. Principles of Management	20GRED	5	4
5.5	Core Practical 5 - Web Programming Lab	20GRP5	5	3
5.6	Core Practical 6 – RDBMS& ORACLE Lab	20GRP6	5	3
5.7	Skill Based III – Quantitative Aptitude	20GRS1	2	2
Total			30	24

Revised Curriculum & Syllabus to be implemented from 2023-2026 for III BCA
(Semester V)

S. No	Name of the Course	Semester	Hrs/Week	Credit	Relevance to the local, national, regional and global development needs
1	5.1 CC-7 : Machine Learning	V	4	4	Global
2	5.2 CC-8 :Artificial Intelligence	V	4	4	Global
3	CC-9 : Project	V	5	5	Global
4	5.3 CE-2(Elective) 1. Software Project Management 2. Software Engineering	V	4	4	Global
5	5.4 MS-4(Allied) Cloud Computing	V	4	3	Global
6	5.5 CP- 5:Machine Learning Lab	V	3	2	Global
7	5.6 Part IV SEC-3 : Quantitative Aptitude	V	2	1	Global
8	5.7 VAC-3 : Environmental Science (Common to all)	V	2	1	Global
9	5.8 NME-2 : Office Automation-I	V	2	2	Global
Total			30	26	


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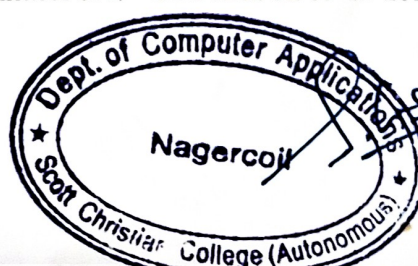
Existing Curriculum & Syllabus of III BCA , Semester VI

Module	Subject	Course Code	No. of Teaching/ Practical Hours perweek	Credit
6.1	Core 9 – PHP Programming	20GR61	4	4
6.2	Core 10 – Computer Graphics	20GR62	4	4
6.3	Core Elective -V 2. Internet of Things 2.Computer Networks	20GREE	5	4
6.4	Project	20GRD1	5	4
6.5	Core Practical 7 – PHP Programming Lab	20GRP7	5	3
6.6	Core Practical 8 – Computer Graphics Lab	20GRP8	5	3
6.7	Skill Based IV Logical Reasoning	20GRS2	2	2
Total			30	24

Revised Curriculum & Syllabus to be implemented from 2023-2026 for III BCA (Semester VI)

S.No	Name of the Course	Semester	Hrs/Week	Credit	Relevance to the local, national, regional and global development needs
1	6.1 CC-10 :RDBMS & ORACLE	VI	4	4	Global
2	6.2 CC-11 : Computer Graphics	VI	4	4	Global
3	6.3 CE-3	VI	5	5	Global

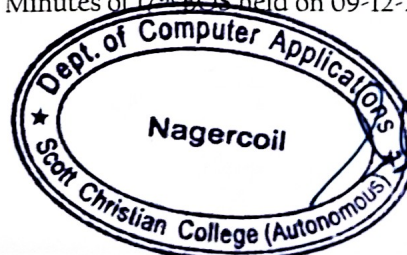
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	1.ComputerNetworks 2.Network security				
4	6.4 CE-4 1.Principles of management 2.Management Information System	VI	5	5	Global
5	6.5 CP-6: RDBMS & ORACLE Lab	VI	3	2	Global
6	6.6 CP-7 : Computer graphics Lab	VI	3	2	Global
7	6.7 Part IV SEC-4 : Logical Reasoning	VI	2	1	Global
8	6.8 VAC-4 : Digital and Technological Solutions(<i>Common to all</i>)	VI	2	1	Global
9	6.9 NME-3 : OFFICE AUTOMATION -II	VI	2	2	Global
<i>Total</i>			30	26	

D. H. Suresh

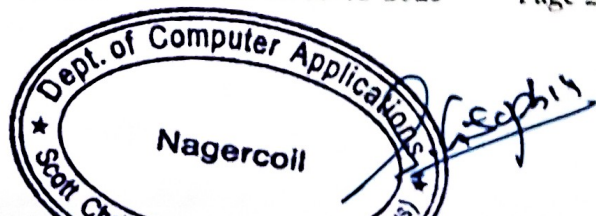
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NEW CURRICULUM TABLE

Year	Semester	Course No	Course	Lecture	Tutorial	Practical	Internship	Self-Learning	Demonstration	Research Project	Total Hours	Credits	
	I	1.1	Part I MEL-1 Modern Indian Language	6							6	3	
		1.2	Part II CE-1 Communicative English	6								6	3
		1.3	Part III CC-1: Python Programming	5								5	5
		1.4	CP-1 : Python Programming Lab			5						5	3
		1.5	CE-1(Elective): 1. Digital Logic Fundamentals 2. Computer System Architecture	4								4	3
		1.6	Part IV SEC-1: Fundamentals of Information Technology	1	1							2	1
		1.7	SEC-2: Structured Programming Language in C	1	1							2	1
	II	2.1	Part I MEL-2 Modern Indian Language	6								6	3
		2.2	Part II CE-2 Communicative English	6								6	3
		2.3	Part III CC-2 : Object Oriented Programming with C++	4								4	4
		2.4	CC-3 : E-Commerce	5								5	5
		2.5	CP-2 : Object Oriented Programming with C++ Lab			3						3	2


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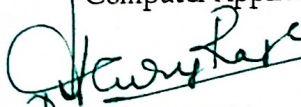


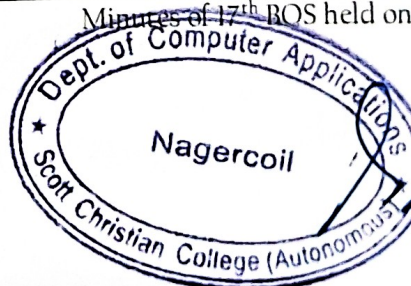
		2.6	MS-1(Allied) : Web Design	4						4	3
		2.6	MSP-1 : Web Design Lab		2					2	1
	III	3.1	Part I –MEL-3 : Modern Indian Language	6						6	3
		3.2	Part II –CE-3 : Communicative English	6						6	3
		3.3	Part III CC-4 : Java Programming	4						4	4
		3.4	CC-5 : Operations Research	5						5	5
		3.5	CP-3 : Java Programming Lab		3					3	2
		3.6	MS-2(Allied) : Data Structures	4						4	3
		3.7	MSP-2 : Data Structures Lab		2					2	1
		3.8	Part IV VAC-1: Health & Wellness; Yoga Education, Sports and fitness. (Common to all)	0						0	1
	II	4.1	Part I –MEL-4 : Modern Indian Language	6						6	3
		4.2	Part II –CE-4 : Communicative English	6						6	3
		4.3	Part III CC-6 : Windows Programming	4						4	4
		4.4	CP-4 : Windows Programming Lab		3					3	2
		4.5	MS-3(Allied) : Operating Systems	4						4	3
		4.6	MSP-3 : DBMS Lab		3					3	2
		4.7	Part IV VAC-2 : Social Values & Understanding India(Common to all)	2						2	1
		4.8	NME-1: Basics of Internet	2						2	2
		4.9	Internship			0					1
	III	V	5.1	CC-7 : Web Programming	4					4	4
			5.2	CC-8 : Artificial Intelligence	4					4	4
				CC-9` : Project Work		5				5	5

Computer Applications (BCA)


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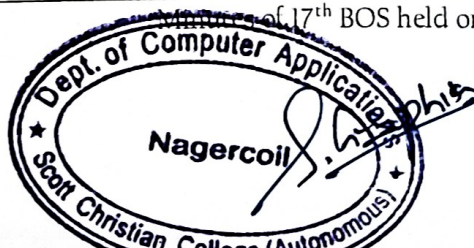
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5.3	CE-2(Elective) 1. Software Project Management 2. Software Engineering	4								4	4
5.4	MS-4(Allied) Cloud Computing	4								4	3
5.5	CP- 5: Web Programming Lab			3						3	2
5.6	Part IV SEC-3 : Quantitative Aptitude	2								2	1
5.7	VAC-3 : Environmental Science (Common to all)	2								2	1
5.8	NME-2 : Office Automation-I	1		1						2	2
VI	6.1	CC-10 : PHP Programming	4							4	4
	6.2	CC-11 : Computer Graphics	4							4	4
	6.3	CE-3 1. Computer Networks 2. Network security	5							5	5
	6.4	CE-4 1. Principles of management 2. Marketing Management	5							5	5
	6.5	CP-6:PHP Programming Lab			3					3	2
	6.6	CP-7 : Computer graphics Lab			3					3	2
	6.7	Part IV SEC-4 : Logical Reasoning	2							2	1
	6.8	VAC-4 : Digital and Technological solutions(Common to all)	2							2	1
	6.9	NME-3 : OFFICE AUTOMATION -II	1		1					2	2
TOTAL			137		35		1	6	1	180	135


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Resolved to introduce the above NEW course(s) in the curriculum of BCA for the academic year 2023-2026. Also resolved to approve the proposed syllabuses for the mentioned new courses

It is resolved to add new syllabus of the above courses in the curriculum of Computer Applications (UG) BCA based on National Higher Education Qualifications Framework (NHEQF) from the academic year 2023-2026.



Mr. R. Shanthikaran
Faculty member



Mrs. R. Suguna Jasmin
Faculty member



Dr. S. Gnana Sophia
Head of the Department



Dr. R. D. Seeja
Faculty member



Dr. D. Shiny
Faculty member



Dr. Rakesh R
Subject Expert
DR. RAKESH. R B.Sc, MCA, MBA, M.A, Ph.D
Associate Professor & Head of Department
Department of Management
C.H.M.M. College for Advanced Studies
(Approved by AICTE & Affiliated to University of Kerala)



DR. G. Suganthi
Subject Expert (VG
Nominee)

Dr. G. Suganthi
Associate Professor
Department of Computer Science
Women's Christian College
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Mr J.S. Franklin Jose
Representative


Miss. A. Akshara
Meritorious Alumnus



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