



Name of the Department : **Department of Computer Science**

**St Berchmans College, Changanacherry**

**Pin: 686101**

**Ph: 9447027820,8281271755**

**Email ID: [computerscience@sbcollege.ac.in](mailto:computerscience@sbcollege.ac.in)**

Patron

**His Grace Mar Thomas Tharayil**

**Archbishop of Changanacherry**

President of the Managing Board

**Rev. Fr. Antony Ethackad**

Vicar General, Archdiocese of Changanacherry

Principal

**Rev Dr Teddy C Kanjooppampil**

Vice Principals

**Prof. Dr Siby Joseph**

**Rev.Fr. Jose Mullakkara**

**Dr. Jomon K V**

Bursar

**Rev Fr James Antony**

Director & Head of the Department

**Dr. Antony Mathews**

## **St. Berchmans College**

SB College Changanassery, founded in 1922, is a renowned educational institution for higher studies in Kerala, under the Arch Diocese of Changanassery. SB College was accorded the prestigious status; “College with Potential for Excellence (CPE)” by the University Grants Commission (UGC) in 2004 in the first lot of 47 colleges across the country. The college has been reaccredited with “A” grade by NAAC. It was twice, the recipient of R Shankar Award instituted by the Government of Kerala for the best Arts and Science College. There are 20 Post Graduate, 17 Under Graduate Courses, 9 Research Departments and 3 MPhil Departments. The college stands committed to nurturing an environment for the holistic development of the students by imparting knowledge, values and skills.

The College was granted Academic Autonomy in June 2014 and Ranked 62nd best College in India by NIRF 2019.

### ***Our Mission***

True to the vision of Christian charity, this college is committed to inspiring its students to attain nobility through compassion, strength of character, and dedication to the service of their fellow human beings; and achievement of excellence in all walks of life.

### ***Our Vision***

We are committed to be a global institution of excellence promoting integral human development through value based teaching, learning, research and innovation.

The Department of Computer Science at St. Berchmans College is at the forefront of innovation and academic excellence. The Department started functioning in 1992. Our highly regarded faculty, celebrated for their knowledge and commitment, is dedicated to supporting your journey toward success. We offer meticulously designed programs that not only grant you a prestigious qualification but also equip you with a comprehensive skill set and a competitive edge in the dynamic technology industry.

### **Governing Council**

1. Rev. Fr. Antony Ethackad- Chairman (Manager)
2. Rev Dr Teddy C Kanjooppampil-Secretary (Principal)
3. Dr. Antony Methews- Head Of the Department

### **Subject Experts Nominated By The College academic Council**

4. Dr. Tony Thomas- Associate and Dean (Academic) ,Digital University.
5. Dr Reji R - Associate Professor (Research Supervisor) Department of CSE ,Carmel College of Engineering and Technology Punnapara

### **Expert Nominated By The Vice-Chancellor**

6. Dr. Reena Murali, Professor and Head ,Dept. Of MCA ,RIT, Kottayam

### **Alumni Representative**

7. Geo Thomas, SDE2, Blkbox.ai, Austin, Texas-US, [geo.thomas@blkbox.ai](mailto:geo.thomas@blkbox.ai)

### **Representative From Media/Industry And Allied Areas**

8. Mr. Lince Lawrence, Global Leader, Cyber Threat Management, Detection, EY

### **Teachers From The Department Nominated By The Principal To The Board Of Studies**

1. Ms Bobby Joseph
2. Ms Dhanya C Nair
3. Ms Smitha Krishnan
4. Ms Rini Elizabeth Jacob
5. Ms Divya S.
6. Ms Reenu Paul
7. Mr Sachin Varghese
8. Ms Blessy Paul
9. Mr Prasobh John
10. Ms Aswathy Manoharan
11. Mr. Albin Andrews
12. Greeshma Murali (Lab In charge)
13. Jasmin Sebastian (Lab In charge)

### **1. PROGRAMME OBJECTIVES AND OUTCOMES**

1.1 Name of the Programme: Bachelor of Computer Science

1.2 Number of Seats: 60, batch :2

1.3 Duration: 4 years

1.4 Cut off marks: As per the Instruction given by the MG University (affiliated university)

1.5 Fee: As per approved by Admission Supervisory Committee for Self Financing Colleges (A State Govt. Body)

#### **Programme Outcomes**

PO1: Develop in-depth conceptual knowledge in the discipline for vertical growth and scholarly pursuits

PO2: Identify historical, theoretical, scientific, technological, economic philosophical,

cultural, aesthetic and ethical bases of different disciplines and relate them effectively

PO3: Demonstrate problem solving skills, effective communication, interpersonal dynamics and resilience in global and local contexts

PO4: Transfer the knowledge of methods, skills, tools and systems of different disciplines for a sustainable and egalitarian world order

PO5: Generate need based innovative processes and products for personal and societal wellbeing

### **FACULTY MEMBERS**

No	Name	Contact no.	Email
1.	Dr. Antony Mathews	9447027820	amssonyk@gmail.com
2.	Ms Bobby Joseph	6282465050	bobbyjoseph4u@gmail.com
3.	Ms Dhanya C Nair	8281271755	dhanyacn@sbccollege.ac.in
4.	Dr. Smitha Krishnan	6238333560	nov30smitha@gmail.com
5.	Ms Rini Elizabeth	6238505412	rini@sbccollege.ac.in
6.	Ms Divya S.	9446983677	divyapradeep@sbccollege.ac.in
7.	Ms Reenu Paul	9400691486	reenupaul@sbccollege.ac.in
8.	Mr Sachin Varghese	6282850955	sachinbiju746@gmail.com
9.	Ms Blessy Paul	9446914993	blessypaul@sbccollege.ac.in
10.	Mr Prasobh John	9446973664	prasobhjohnc@gmail.com
11.	Ms Aswathy Manoharan	7994752255	AswathyManoharan111@gmail.com
12.	Mr. Albin Andrews	8137804852	<a href="mailto:albinandrews@sbccollege.ac.in">albinandrews@sbccollege.ac.in</a>

### **Supporting Staff**

Ms.Greeshma Murali (Lab In charge)      9656781054      [greeshmamuraly1@gmail.com](mailto:greeshmamuraly1@gmail.com)

Ms. Jasmin Sebastian(Lab In charge)      8086904064      jasmins21995@gmail.com

### **General Rules and Regulations**

1. Ragging is strictly prohibited on the campus

(Govt .NotificationNo. 16992/Leg.BI/98/Law dated. 24-06-1998)

2. Students are not allowed to use mobile phones on the campus

(GO.No. RT/No.346/05/ Higher Edn. dated 01-03-2005)

3 Institute properties should be handled with care. Defacing the furniture (scribbling, nailing or damaging the furniture, fixtures and fittings) will be penalized individually or collectively according to the gravity of the loss or damage caused.

4 Strikes and demonstrations are strictly prohibited.

5 Students must park their vehicles in the parking area assigned for them.

6. Use of drugs and alcohol are strictly prohibited on the campus.

4 The management has the authority to take disciplinary actions in case of unauthorized leave or violations of rules and regulations.

#### TIMING

Students must be present in the class on time. Punctuality, courtesy and discipline must be maintained in and outside the classrooms.

Admin. Office Working hours: 9.00 am to 4 pm

Instructional hours : 9.00 am to 2.45 pm

Computer Lab : : 9.00 am to 4 pm

Lunch Break :12 pm - 1 pm

#### ATTENDANCE

##### General Policy

1. Attendance will be marked at the beginning of the class, by the Faculty concerned.
2. Students must be punctual and regular to attend classes, other academic or extra-curricular activities.
3. The minimum attendance (75% of total working days for a Semester) is necessary for appearing for the End Semester Examination. Students whose attendance fall below this minimum should comply with the norms specified by the college for writing the end Semester Examinations.
4. Application for the End Semester Examination will be considered only after the settlement of all dues.

##### Attendance

1. Class attendance will be considered for internal assessment marks.
2. Attendance will be computed on all working days. If the student is absent in any one of the sessions in the forenoon, or afternoon, he or she will lose half day attendance.

#### 5. INTERNAL EVALUATION POLICY

The evaluation of the students during the course of a Semester, referred to as Continuous Evaluation, is based on In-Semester Examinations, assignments, presentations, case discussions, seminars, attendance and class participation. (Refer scheme for details)

## 6. ASSIGNMENTS

Assignments must be submitted on time. Late submissions will not be accepted. All assignments must be handwritten only.

## 7. DRESS CODE

The following instructions need to be followed by the students:

1. All the students must wear the official uniform on all week days, except on Wednesdays.
2. Ladies must wear decently tailored outfits. High slits for kameezes, sleeveless tops, tights, short Kurtis and the like... are strictly prohibited.
3. If any student is found violating the above code on any day, he/she will be asked to leave the campus at the risk of losing the day's attendance. Students must adhere to the college dress code everywhere they represent SB.

## 8. HOSTEL ACCOMODATION

Hostel facility for men shall be provided on SB College campus and for women in SH Hostel & St. Mary's Hostel. Students should meet the respective wardens of the hostels to avail themselves of the facility. The rules and regulations laid down by the hostel authorities should be strictly followed by the hostellers.

## 9. LIBRARY

Library Rules and Regulations

1. Students shall leave personal belongings on the rack placed at the entrance of the library and take them while leaving.
2. Students entering the library must sign in the respective attendance register.
3. Silence and strict discipline must be maintained in the library. Library is not meant for group study. Shifting of chairs is not permitted in the library.
4. Food & beverages will not be allowed inside the library.
5. Students must possess Library card to borrow books.
6. Students are not allowed to take Magazines / Journals/ Newspapers outside the Library.
7. Students are not allowed to make any markings in the Books/Magazines/ Journals/ Newspapers or disfigure them.
8. Replace the Magazines on respective racks after reading.

9. Students must return the book on the due date itself.
10. Students should maintain borrowed books in good condition. If a book is torn or in bad condition or any page missing, it should be informed to the librarian before taking it home. The student in whose name the library card is issued, will be held responsible for the condition of the book.
11. If the due date of returning a book falls on a holiday, it may be returned on the next working day.
12. Books in circulation can be reserved for next issue.
13. A book issued may be renewed twice provided there is no pending reservation against it.
14. Students who come late to the library during the compulsory library hours will be marked absent for the day
15. If a book is lost, the student concerned will have to replace it or pay a fine three times the cost of the book.
16. Students are requested not to use laptops inside the library.
17. Books will be issued till 6.00 pm on all week days.
18. Students can use the online library facility like EBSCO, PROWESS etc...

### **COMPUTER LAB**

1. Students must sign in the log book at the time of log in & log out.
2. Food & beverages will not be allowed inside the lab.
3. Students are not permitted to recharge or use their laptops in the lab.
4. Students are not allowed to use social networking sites.
5. Strict discipline must be maintained in the lab.

### **IN-SEM EXAMINATIONS**

Students must attend all the In-Sem Examinations. Prior permission from the Faculty concerned must be taken to abstain from a test/exam. A student who abstains from an exam or any other assignments must compensate for the same as instructed by the Faculty concerned.

### **ACCESS TO WEB SITES**

Students are not allowed to access social networking sites and illicit web sites. Students shall use laptops during class sessions with the permission of the faculty member. Strict action will be taken against those students who use the Wi-Fi connectivity for undesired purposes.

### **BRIDGE COURSE**

Bridge Course is an in- house training programme conducted by the Faculty of Computer Science. This course aims to provide theoretical foundation on various management subjects before the start of regular sessions.

### **INDUCTION PROGRAMME**

A two week programme aims to empower the students to get an over view of the BCA Programme. Students embark on new vistas in different skill development programmes like SWOT analysis, time management, goal setting, leadership skills, collaboration between industry and academics etc. This programme enables to empower themselves to compete in the race of excellence in the modern IT industry.

### **MENTORING**

Mentoring program is to help the students to shed their inhibitions, redress their grievances if any, and also to improve their overall performance in both scholastic and non-scholastic fields. The students get proper guidance from their mentors. Students are divided into groups under different mentors (Faculty of Computer Science). Students are required to make entries in the Mentronicle.

### **CAREER COUNSELLING**

The aptitude of the students will be analyzed by the career consultants and Career Guidance will be given to the students from College's Placement & Assistance Cell.

### **INDUSTRIAL VISITS**

Industrial Visits are organized to supplement the Practical concepts learnt in the class. Exposure to industry and interaction with developers and engineers will help the students to develop awareness of organizational relations and functions. Student participation is mandatory during the industrial visits arranged by the Department.

### **ORGANISATION STUDY CUM INTERNSHIP**

The students must undergo an Internship program . The aim of the internship is to achieve the practical skills to thrive in the corporate world. The organisation opted, for the pursuit of internship should be such, that, it synchronizes with the intended career objectives.

### **PROJECT STUDY**

Problem centred study , under the guidance of a faculty member. Students are expected to select the project study from their major specialization only. Study should be done under the supervision of an organisational guide allotted by the organization. An attendance certificate should be obtained from the organization as a proof of the successful completion of the project and the same should be incorporated in their project report.

### **Grievance Redressal**

The function of the cell is to look into the complaints lodged by any student, and judge its merit. The Grievance cell is also empowered to look into matters of harassment. Anyone with a genuine grievance may the officer in-charge Students' Grievance Cell. In case the person is unwilling to appear in self, grievances may be dropped in writing at the suggestion box of the Grievance Cell at Administrative Block. Grievances may also be sent through e-mail to the officer in-charge of Students' Grievance Cell.

Objective:

The objective of the Grievance Cell is to develop a responsive and accountable attitude among all the stakeholders in order to maintain a harmonious educational atmosphere in the institute.

Procedure for lodging complaint:

- The students may feel free to put up a grievance in writing/or in the format available in the admin dept. and drop it in boxes
- The Grievance Cell will act upon those cases which have been forwarded along with the necessary documents.
- The Grievance Cell will assure that the grievance has been properly solved in a stipulated time limit provided by the cell.

**The Grievance Cell Members:**

Names Designation

Dr. Antony Mathews, HoD

Ms. Bobby Joseph, Discipline-In charge

**Computer System Details: Computer Lab 1**

Make	Quantity	Specification
Acer Desktop	60	Intel Dual Core 4 GB Ram 1 TB HDD Acer 18.5" LCD Monitor Acer Keyboard / Mouse
<b>Gadgets</b>		
Make		Quantity

Printer CANON LBP2900 Laser Printer	1
Projector Sony	1
<b>Ups</b>	
UPS IGATECH 10KVA	1
<b>Network / Internet</b>	
DLINK Switch 24 PORT	2
BSNL Leased Line 200 Mbps	1
Asianet Leased Line 50 Mbps	1
<b>Operating System / Softwares</b>	
Operating System	Windows 10,LINUX
Other Softwares	Microsoft Office 2016

### Computer Lab 2

Make	Quantity	Specification
Acer Desktop	60	Intel Core i3 8 GB ram 500 GB SSD Acer 19" LCD Monitor Acer Keyboard / Mouse

### Computer Lab 3

Make	Quantity	Specification

Acer Desktop	50	Intel Core i3 8 GB ram 500 GB SSD Acer 19" LCD Monitor Acer Keyboard / Mouse
Lenovo	1	Intel Dual Core 4 GB ram 500 GB HDD Lenovo 18.5" LCD Monitor Lenovo Keyboard / Mouse

Total Computers	62	
<b>Gadgets</b>		
Make	Quantity	
Projector Epson	1	
<b>Ups</b>		
UPS IGATECH 10 KVA	1	
<b>Network / Internet</b>		
HP Switch 1920 (Manageable)	6	
BSNL Leased Line 200 Mbps	1	

Asianet Leased Line 50 Mbps	1
<b>Operating System / Softwares</b>	
Operating System	Windows 10
Other Softwares	Microsoft Office 2019

Computer System Details: Department

Make	Quantity	Specification
Laptop HP	1	Intel Core i3,4GB Ram,500 GB HDD, 15" Screen
Acer	1	Intel Core i3 4 GB ram 500 GB HDD Acer 18.5"LCD Monitor Acer Keyboard / Mouse
Total Computers	2	
Printer	1	Inkjet Printer
Total Printers	1	

Class Room Details

Make	Quantity	Specification
Projector Epson	6	

**Library**

No. of Books : 13509

Titles : 1280

Volumes : 7625

Library Software : NIRMAL Bookworms No. of National Journals : 20

No. of Magazines : 14

No. of International Journals : 8

No. of International Magazines : 4

Facilities:

Reading Room Facility : 60 seat Reprographic Facility : Yes

Latest Journals and Books accessed are displayed