



# **ANNUAL REPORT 2022-2023**



**DEPARTMENT OF COMPUTER SCIENCE**

**NATIONAL COLLEGE**  
Manacaud, Trivandrum

## Message from the HOD



It gives me immense pleasure to lead the Department of Computer Science. We started our journey in the year of 1995 with computer stream, which is the essence of today's world. The department offers undergraduate degree programs in Computer Science and Computer Applications.

The department has a team of highly experienced and motivated faculty members who are in process of tuning the young minds to make them globally competitive. The strength of the department is highly inspired students who understand the dynamics of the diligence and upgrade their skills accordingly.

Beyond their excellence in academics the students show their talents in games, cultural programs and many other activities. We have top class students who are consistently getting placed in leading MNCs, TCS, Wipro, Infosys, Accenture, Amazon etc. with the highest package. Good number of students are joining prestigious institutions and foreign universities for higher education.

I am very much honored and pleased to work with this department.

I wish all the students and faculty a great academic career...

Regards,

Dr. Allwin D,  
HOD, Department of Computer Science,  
National College.

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## About the Department

The department of Computer Science was established in the year 1995 along with the beginning of National College as one of the prime self-financing colleges in Kerala under the University of Kerala. The department embraces various technical as well as industry obligate courses where the course of BSc. Computer Science was established in 1995. In 2005, the department vitalized itself with MSc in Computer Science. Also BCA was added to the department which reinforced the ideology of the department.

The department is distinguished with quality education and is eminent for various curricular as well as extracurricular activities to make the students explore the fields to its maximum and they could stand out.

## Vision of the Department

To be the prime pacesetter in Computer Science and to raise the students into world class professionals with eminent programming skills.

## Mission of the Department

- To improve and upbring the skills in various fields of Computer Science to meet the needs of the Industry, Society and the Nation.
- To give rise to competent graduates with professional skills, responsibilities and commitments.
- To achieve excellence in cutting edge science studies to the students through effective and hands-on tools and technologies.

## Faculty Details

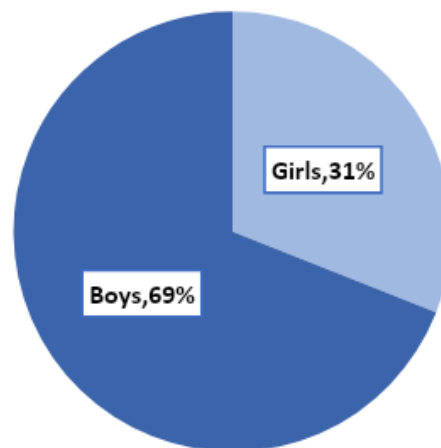
Sl.No	Name	Qualification	Designation	Date of join
1.	Dr. Allwin D	Ph.D, M.Phil, MCA	Head , Assistant Professor	16.08.2001
2.	Mrs. Divya M	M.Sc	Assistant Professor	07.06.2010 (Prev Service:18.08.2005 to 31.12.2007)
3.	Mrs. Seena N	M.Sc, M.Tech, M.Phil	Assistant Professor	11.09.2006
4.	Mrs. Shabnam S	MCA, NET	Assistant Professor	11.05.2011
5.	Mrs. Ranjini Mupra P	MCA	Assistant Professor	15.07.2015
6.	Mrs. Bincy B S	M.Sc, NET	Assistant Professor	08.02.2016
7.	Mrs. Shifa A H	M.Sc, NET	Assistant Professor	05.10.2021
8.	Mrs. Ragini U	M.Sc, NET	Assistant Professor	20.12.2022
9	Mrs. Ameena	M.Sc	Lab Instructor	
10.	Ms. Farsana S	B.Sc	Lab Instructor	

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The strength of our department is our fellow students. Every year around 70 students complete their studies from the department and serve the society.

Course	Year	Girls	Boys	Total
B.Sc. Computer Science	I year	09	29	38
	II Year	15	23	38
	III Year	14	20	34
BCA	I Year	10	28	38
	II Year	10	27	37
	III Year	08	20	28
Total Count		<b>66</b>	<b>147</b>	<b>213</b>

### Computer Science Student Statistics



## Faculty Achievements

### Certification

- Mrs. Shifa A H has secured **Udemy Certificate of Completion**  
 Course Name: ChatGPT Complete Guide- Midjourney, ChatGPT4 & More  
 Instructor: Julian Melanson  
 Certificate No:- UC-5e921336-76df-4f71-8fc2-c66df9f9836a  
 Certificate issue date: May 2023

### Workshops/ Seminars attended

#### Out- house

- **International FDP**

Department of Artificial Intelligence and Data Science, Easwari Engineering College, Chennai has organized a two weeks International FDP ; where all department staffs participated the same.

**Name of Activity** : International FDP on Data Science Tools  
**Date** : 07.10.2022 to 20.10.2022  
**Platform** : Google Meet  
**Resource Person** :  
**Objective** : To know in detail about the various Data Science Tools and how it impacts in the current day to day life

- **PG Valuation- Orientation Program**

**Name of Activity** : Valuation of Answer Scripts  
**Date** : 22<sup>nd</sup> September 2022  
**Venue** : All Saints College, Trivandrum  
**Organizer** : University of Kerala.  
**Faculties Attended** : Dr. Allwin D & Mrs. Divya M

- **Awareness class on – Digital Literacy**

**Name of Activity** : PMGDISHA, Awareness Class- Digital Literacy  
**Date** : 21.03.2023  
**Organizer** : TechView Computer Institute, Trivandrum  
**Resource Person** : Mrs. Bincy B.S

## Department Results

In the pursuit of academic excellence, our department takes immense pride in the achievements and successes of our students. Our department students has secured **University Second and Eighth rank for the year 2023**



**Abhishek M Nair**  
BCA  
2<sup>nd</sup> Rank



**Alex Varghese**  
BCA  
8<sup>th</sup> Rank

### Course Pass Percentage 2021

#### **B.Sc Computer Science:**

Total number of students registered: 33

Total number of students appeared: 33

Total number of students passed: 08

Pass Percentage: **25%**

#### **BCA:**

Total number of students registered: 27

Total number of Students appeared: 27

Total number of students passed: 10

Pass Percentage: **37%**

### Semester Wise Result 2022-2023

Course	Semester	Batch	No. of appeared	Passed	No. of Student with A grade	Pass Percentage
CS	S6	2020	33	21	0	60
	S1	2021	38	17	A <sup>+</sup> -1, A-1	45
	S4	2020	33	18	4	55
	S5	2020	33	23	1	70
BCA	S6	2020	27	18	2	67
	S1	2021	38	19	0	50
	S4	2020	27	11	A <sup>+</sup> -1,A-2	41
	S5	2020	27	17	A <sup>+</sup> -1,A-1	63



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The Department of Computer Science includes very vibrant and young students who all showed their talents and abilities in various fields during the last academic year 2022-23

- **Ms.Vineetha M Jude, S4 CS**

- Secured **First Position in Unplugged- Solo Song Competition**, conducted as a part if Techno Cultural Fest Daksha Yanthra 2023, College of Engineering, Attingal.
- Has got **second places** in duet singing and Solo Singing Competitions conducted in Dhanak 2023, Annual Cultural fest of Indian Institute of Space Science and Technology.
- Won **“Voice of Tejasvi”**, in the College Fest ‘Thejasvi’ conducted by Marine College of Engineering



- **Nikhil A J, S4 BCA**



□ Nikhil A J is a pride student of our department participated in the Water Polo held on Incpe, Karyavattom on November 1 & 2 of 2022



### Kerala University Youth Festival -2023

From May 05 to 09, the Kerala University Youth Festival took place in Ambalappuzha, witnessing the enthusiastic participation of over 3000 students from more than 250 colleges. Among them, our department's students showcased their exceptional talents, thereby elevating the reputation of our college at the event..

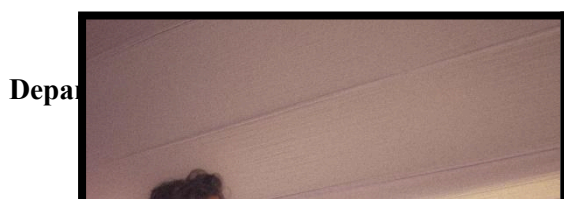
- Roopa S Rajeev, S2 CS Participated in Thiruvathira



- Mohammed Raashid , S2 CS participated in Folk Song



- R. Sreekamal Potti, S2 CS participated in Momo Act



Depa

- Abhishek M & Rithiklal , S4 BCA participated in **Western Solo Vocal**

## Departmental Achievements

### ❖ Annual Sports Meet April 2023

- The BCA students won **third place** in the inter department **Volleyball and Football** matches
- Roopa S Rajeev, Won **First place in 200 mt Race** and Sisy Joy of S2 CS has won **third place in 200 mt Race**
- Sisy Joy , S2 CS has won **Second in 100mt Race**



### ❖ Onam Celebration 2023

- Department of Computer science won **third place** in the inter department 'Athapookkalam' Competition held in the month of August 2022



❖ Placements 2022-2023



**Sanjay Krishna**

**Placed in Sutherland**



**Gopika**



**Abhishek M Nair**

**Deloitte**



**Aswan S**

**InfoApps**



**Rodricks Robinson**

**Thrive**



**Manikandan Suresh**

**Kerala Sate Wide Area Network**



**Ibrahim A R**

**Wipro**



**R L Narayanan**

**Wipro**

**DEPARTMENT ALUMNI 2022-2023**

As an academic department committed to providing quality education and nurturing aspiring professionals, we take immense pride in our alumni. They are the living embodiment of the knowledge, skills, and values instilled during their time in our program. Their successes not only reflect their individual dedication and hard work but also speak volumes about the excellence of our department's educational offerings. The inaugural Alumni meet "**TechAlum @NC**" was successfully organized by the Department of Computer Science at National College on Saturday, **June 25, 2022**. The event took place in the College auditorium and saw an impressive turnout of approximately 200 students from various batches of B.Sc Computer Science and BCA.

The registration team warmly welcomed the alumni with handmade flowers and gifts. The proceedings commenced with a warm welcome speech delivered by Mrs. Ranjini Mupra, Assistant Professor of the Department of Computer Science. Dr. Allwin D, Head of the Department of Computer Science, delivered the keynote address. We were honored to have the presence of our esteemed Principal, Dr. S A Shajahan, and Mr. Shabeer Ahmed, IQAC Coordinator, who felicitated the event.

During the ceremony, Mahadev L S, who secured the 4th rank in B.Sc Computer Science, and Fathima Haseena, who secured the 2nd rank in BCA, were recognized and awarded by the alumni in memory of our former B.Sc. Computer Science student, Tito Shankar.

Following a short tea break, an interactive session was held, allowing the alumni to share their cherished college memories, current positions, and life experiences. The students expressed their heartfelt gratitude to their teachers for the invaluable guidance and support received throughout their three-year course. The vote of thanks was proposed by Mrs. Bincy B S, Assistant Professor of the Department of Computer Science.

As part of TechAlum'22, the Computer Science department library was inaugurated by the Principal. Our esteemed alumni generously sponsored several books for the department library, greatly benefiting our students.

The alumni took a nostalgic walk around the campus, retracing the memories of their college days. The program concluded at 1:30 pm with a group photo taken with the Principal and teachers. We extend our sincere appreciation to our alumni for taking the time out of their

busy lives to be a part of this event. They have promised to stay connected with the institute, faculty, and students, contributing to the development of both the students and the institution.



# Tech Alum@NC



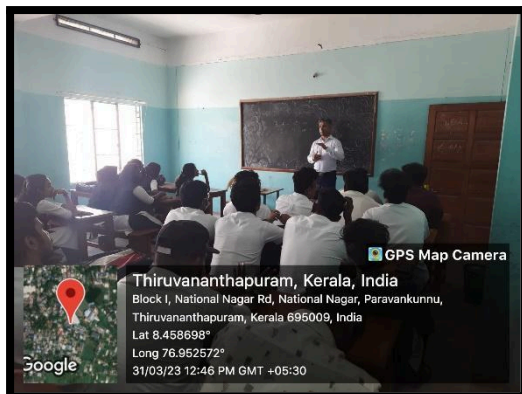




**❖ Career Development Program**

The department of Computer Science has organized a career development program where **Mr. Vidhin**, Student of the batch B.Sc Computer science (2005-2008) was the resource person. **Mr. Arun Kumar** of same batch who is now working in the **Mr. Vidhin** the CEO of the Australian companies **27 BlueCube & CloudBiz**. The program was meant for the final year students, which encouraged the students to choose their best career options and also helped the students how to crack an interview.

One of our Final year student batch developed their major project entitled “EduShare” under the guidance of Mr. Vidhin. The Project was completely free of cost and the students were provided with certificates of the above mentioned company.



❖ **Study Tour**

- The department and the college authorities arranged a 5-day study tour for the students of S6 BCA and CS.

Venue : Goa, Dandeli and Wayanadu

Date : 28.02.2023 to 05.03.2023

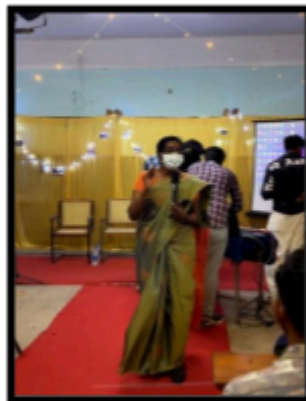




## Farewell 2023

In 19 May 2023, our department hosted a farewell event for the B.Sc. Computer Science and BCA students. The junior students enthusiastically organized a well-planned party to bid farewell to their seniors. The session commenced with a moment of silence as a tribute to Bisharath Afthab and Aswathy S S. The event was inaugurated by Dr. S A Shajahan, the Principal, and Dr. Allwin D, along with Mrs. Divya M, extended their felicitations.

The juniors presented a variety of cultural performances that delighted the outgoing students, providing them with a visual extravaganza.



## Departmental Contributions to the College

- **Dr. Allwin D** serves as one of the IQAC and Academic Council Members, the Convenor for the NAAC criteria VI, Member of CLMC, Member Academic Excellence Committee and Convenor of Student's Handbook Committee
- **Mrs. Divya M** serves the Convenor of NAAC criteria II and one of the members of the ICT Management and Coordination Committee, Member of Redressal Committee, Union Election 2022
- **Mrs. Seena N** serves as the member of NAAC criteria V, Joint Convenor of Discipline Committee,
- **Mrs. Shabnam S** serves as the member of NAAC criteria I and member of Discipline Committee
- **Mrs. Ranjini Mupra P** serves as one of the NAAC Criteria VI members and Member of the Anti- Narcotic Cell.
- **Mrs. Bincy B S** is the Department Coordinator for NAAC, Member of NAAC criteria II, Convenor of the Women's Cell 2022-23 The Secretary of Alumni Association Committee and the Member of the Purchase Committee.
- **Mrs. Shifa A H** serves as Member of the NAAC criteria VI, Member of IQAC.
- **Mrs. Ragini** serves as the Member of Criteria II,

## Faculty Roles and Responsibilities in Department

S. NO.	Name of the Faculty	Roles
1	Dr. Allwin D	<ul style="list-style-type: none"> <li>● Head of the Department</li> <li>● IQAC Member</li> <li>● Attends Syllabus Revision in University</li> <li>● Subject Allotment</li> <li>● Preparation of Time table.</li> <li>● Annual and Monthly course Planner</li> <li>● Time table Monitoring</li> <li>● Scrutiny of Attendance registers and Teacher's log books</li> <li>● Monitor academic activities</li> <li>● Work status analysis and report</li> <li>● Project Supervision</li> <li>● Paper Setting in Examination</li> <li>● Evaluation of Scripts</li> <li>● Revaluation of Scripts</li> <li>● Result Analysis</li> <li>● Department Administration</li> </ul>
2	Mrs. Divya M	<ul style="list-style-type: none"> <li>● In charge of BCA</li> <li>● Subject Allotment</li> <li>● Preparation and Monitoring of Timetable</li> <li>● Monitor Academic Activities</li> <li>● Maintain Log books</li> <li>● Monthly Course Planner</li> <li>● Project Supervision</li> <li>● Paper Setting in Examinations</li> <li>● Evaluation and revaluation of Scripts</li> <li>● Result Analysis</li> <li>● Feedback System</li> </ul>
3	Mrs. Seena N	<ul style="list-style-type: none"> <li>● Class in charge</li> <li>● Counselling female students</li> <li>● Field trip in charge</li> <li>● Monitor Academic Activities</li> <li>● Monthly Course Planner</li> <li>● Handle practical sessions</li> <li>● UG Project Supervision</li> <li>● Result Analysis</li> <li>● Feedback System</li> </ul>

4	Mrs. Shabnam S	<ul style="list-style-type: none"> <li>● Class in charge</li> <li>● Field trip in charge</li> <li>● Monitoring of Timetable</li> <li>● Monitor Academic Activities</li> <li>● Maintain Event Register and log books</li> <li>● Monthly Course Planner</li> <li>● Handle practical sessions</li> <li>● UG Project Supervision</li> <li>● Evaluation and revaluation of Scripts</li> <li>● Result Analysis</li> <li>● Feedback System</li> </ul>
5	Mrs. Ranjini Mupra P	<ul style="list-style-type: none"> <li>● Class in charge</li> <li>● Monitoring of Timetable</li> <li>● Monitor Academic Activities</li> <li>● Maintain Event Register and log books</li> <li>● Monthly Course Planner</li> <li>● Handle practical sessions</li> <li>● UG Project Supervision</li> <li>● Evaluation and revaluation of Scripts</li> <li>● Result Analysis</li> <li>● Feedback System</li> </ul>
6	Mrs. Bincy B S	<ul style="list-style-type: none"> <li>● Class in charge</li> <li>● IQAC reports in charge</li> <li>● Updating College website Content</li> <li>● Monitoring of Timetable</li> <li>● Maintain Log books</li> <li>● Monitor Academic Activities</li> <li>● Maintain Event Register</li> <li>● Monthly Course Planner</li> <li>● Handle practical sessions</li> <li>● Project Supervision</li> <li>● Evaluation and revaluation of Scripts</li> <li>● Result Analysis</li> <li>● Annual Report Preparation</li> </ul>
7	Mrs. Shifa A H	<ul style="list-style-type: none"> <li>● Class in charge</li> <li>● Social Media in charge</li> <li>● Checking Department mails</li> <li>● Monitoring of Timetable</li> <li>● Monitor Academic Activities</li> <li>● Maintain Event Register</li> <li>● Maintain Log books</li> <li>● Monthly Course Planner</li> <li>● Handle practical sessions</li> <li>● Project Supervision</li> <li>● Evaluation and revaluation of Scripts</li> <li>● Result Analysis</li> <li>● Feedback System</li> </ul>

		<ul style="list-style-type: none"><li>● Annual Report Preparation</li></ul>
8	Mrs. Ragini U	<ul style="list-style-type: none"><li>● Class in charge</li><li>● Monitoring of Timetable</li><li>● Monitor Academic Activities</li><li>● Maintain Event Register</li><li>● Monthly Course Planner</li><li>● Maintain Log books</li><li>● Handle practical sessions</li><li>● Project Supervision</li><li>● Evaluation and revaluation of Scripts</li><li>● Result Analysis</li><li>● Feedback System</li></ul>



## Department PTA Meetings

### BCA

Meeting No.	: 1
Date	: 10/02/2023 ; 10.00 am to 12.30 pm
Mode	: Offline
Class	: S1 BCA
Class in charge	: Bincy B S
Agenda	: Discussing Internal Examination results
No. of parents attended	: 35
Feedback	: Most of the parents requested to have frequent PTA meetings. Most of them shared positive feedback about the academics.

### CS

Meeting No.	: 2
Date	: 10/02/2023 ; 10.00 am to 12.30 pm
Mode	: online
Class	: S1 CS
Class in charge	: Shifa A H
Agenda	: Discussing Internal Examination Results
No. of parents attended	: 35
Feedback	: Parents shared their ward's involvement in studies. Some of the parents requested to have more test papers.

### BCA / CS

Meeting No.	: 3
Date	: 27/03/2023
Mode	: online
Class	: S6 BCA / S6 CS
Class in charge	: Shabnam S / Seena S
Agenda	: Discussion about Current result status of Students
No. of parents attended	: 45
Feedback	: Most of the parents were concerned about the Result and they requested s

## **BCA**

Meeting No. : 4  
Date : 20/02/2023 ; 9.30 am  
Mode : offline  
Class : S4 BCA  
Class in charge : Rangini Mupra P  
Agenda : Discussing the first semester examination results.  
No. of parents attended : 17  
Feedback : Most of the parents were concerned about the marks.  
Some of them mentioned the disciplinary issues of the students.

## **CS**

Meeting No. : 5  
Date : 20/02/2023 ; 9.30 am  
Mode : offline  
Class : S4 CS  
Class in charge : Divya M  
Agenda : Discussing the first semester examination results.  
No. of parents attended : 20  
Feedback : Parents were concerned with Ward's non disciplinary habits.  
Most of the parents requested monitoring student attendance.

## ACADEMIC PLAN 2023-24

We have identified three main criterion to focus for department improvement.

1. Students Discipline
2. Academic Excellence
3. Department Activities

### **I. STUDENTS DISCIPLINE**

- a) Conducting regular PTA meetings to increase parent involvement.
- b) Attendance improvement strategies.
- c) Register system for late comers.
- d) Decent and clean dress code.
- e) Anti-Tobacco, Anti - alcohol and anti – drug policies.
- f) Anti-Ragging Policies
- g) Effective time table scheduling.
- h) Maintaining acknowledgements of student participation in extra-curricular activities.

### **II. ACADEMIC EXCELLENCE**

#### **1. Results**

- a) Crash Classes.
- b) Solved question papers.
- c) Periodic class tests and boost personalised learning.
- d) Special Online classes and video tutorials.
- e) Study material for every subject.
- f) Exam guidance tips.
- g) Gather feedback on teaching and curriculum.

#### **2. Laboratory Support**

- a) Preparation of Lab manual.
- b) Maximize the use of technology.
- c) Project implementation.

**3. Awards & Memorial Scholarships.**

- a) Best Outgoing Student.
- d) Semester Toppers
- e) Best Academic Project
- f) Best Sport person
- g) Best cultural performer in various art festivals and events

**4. Placement cell**

- a) Resume writing and interview skills development.
- b) Industrial visit.
- c) Communication skill workshop.
- d) Technical skill development.
- e) Preparing eligible pool of students.
- f) Grooming students as per their choices and eligibility.
- g) Take remedial measures for non-selected students.

**5. Student Representative Selection**

- a) For conducting Technical Competitions.
- b) Academic excellence
- b) Other department events.

**III. DEPARTMENT ACTIVITIES**

**1. The IT Club (For Final Year Students Only)**

- a) Job Fair.
- b) Hardware and Networking classes
- c) Career guidance- (Mock Interviews, GDs, Training Sessions)

**2. The Ada Club (For Girl Students)**

- a) Counselling & Remedial Classes.
- b) Skill Development.
- c) Competitions (Technical)

**3. Advanced Learning Activities**

- a) Seminars
- b) Workshops & Conferences
- c) Exhibitions

**4. Department Library**

- a) Updating Books & journals
- h) Establishing e-library
- i) Updating Software CD's.
- j) Lecture Videos
- k) Question Banks with answer keys.

**5. Department Alumni** (Inaugurated on 26<sup>th</sup> June 2022)

- a) Guidance and motivation classes by industry experts from alumni.
- b) Aid for department infrastructure.
- c) Placement Reference.
- d) Free project guidance.

**6. Department Magazine.**

- a) Collection of technical articles from faculties and students.
- b) Show casing extra-curricular activities of students.

**7. Extension Activities (for College)-**

- a) Basic Computer Training for Teaching, Non-Teaching Staff members and other department students.
- b) Ensuring **PSC Registration** for all students.

**8. Social Outreach Programme (for Society)**

- a) Basic Internet Course for Elderly.
- b) Basic Computer Awareness for rural school students.
- c) First time PSC Registration (One Day Camp for society)

**9. Faculty Enrichment**

- a) Publications
- b) FDPs
- c) Innovative teaching methods.

10. Department Website- [www.csncas.org](http://www.csncas.org) already hosted. (Updation)



**REMEMBRANCE**



**BISHARATH AFTHAB**  
**( 13/01/2002 - 16/12/2022 )**

BCA

*"Your memories will never be forgotten. May your soul rest in peace"*

