

PG DEPARTMENT OF COMPUTER SCIENCE
KAHM UNITY WOMEN'S COLLEGE, MANJERI
ANNUAL REPORT 2023-2024

CRITERION 1

Curricular Aspects

1. Add-on/ Short Term/ Certificate Courses (No and Name of course, number of students undertaken)

SNo	Course ID	Course Name	Instructor	No of Students
1	CSAD02	Fundamentals of DBMS	Mr.Haris U	45
2	CSAD05	Art of problem solving	Mr.Haris U	45
3	CSCC06	Internet of Things(IoT)	Mr.Haris U	15
4	CSCC07	Office Automation	Mr.Shihabul Haq M	45

Post Graduate Department of Computer Science
 KAHM Unity Women's College, Manjeri

Add-on Course on Fundamentals of DBMS

Course Code: CSAD02
 2024 January - March

No. of Seats: 50
Duration: 30 Hrs

Extra Practical Sessions on Demand

Course Coordinator: Haris U, Assistant Professor | 94955 31705

HARIS UMMATH
 Assistant Professor
 Dept. of Computer Science
 KAHM Unity Women's College
 Manjeri - 676 122

Post Graduate Department of Computer Science
 KAHM Unity Women's College, Manjeri

Add-on Course on Art of Problem Solving

Course Code: CSAD05
 2023 Nov - 2024 Jan

No. of Seats: 50
Duration: 30 Hrs

Extra Practical Sessions on Demand

Course Coordinator: Haris U, Assistant Professor | 94955 31705

HARIS UMMATH
 Assistant Professor
 Dept. of Computer Science
 KAHM Unity Women's College
 Manjeri - 676 122

PG Department of Computer Science
 KAHM Unity Women's College, Manjeri

IoT Club

Certificate Course on Internet of Things (IoT) using Arduino

Course Code: CSCC06 | 2023 Dec - 2024 Mar

- ✓ Building IoT Projects with Arduino
- ✓ Practical and Hands-On Sessions
- ✓ Chance to Present Projects in IoT Exhibition
- ✓ Flexible Time Schedule
- ✓ Individual & Group Trainings
- ✓ Free Membership to IoT Club

94955 31705 | 73561 96112

This course is intended for anyone who wants to learn about IoT and Arduino. No prior experience is required.

HARIS UMMATH
 Assistant Professor
 Dept. of Computer Science
 KAHM Unity Women's College
 Manjeri - 676 122

Korambayil Ahamed Haji Memorial
 UNITY WOMEN'S COLLEGE, MANJERI
 Affiliated to the University of Calicut Reaccredited by NAAC B++
 Grade Narukara PO, Manjeri, Malappuram, Kerala, India

PG Department of Computer Science

certificate course on OFFICE AUTOMATION

Course duration: 30 hours

Course Coordinator
Shihabul Haq M
 Assistant Professor
 PG Department of Computer Science
 9645834439

Classes on Saturdays

Join now!!

Course starts by : 14-01-2024 ends by : 25-03-2024

SHIHABUL HAQ M
 Assistant Professor
 PG Department of Computer Science
 Manjeri - 676 122

2. Faculty participation & positions in various bodies for curriculum development and assessment / evaluation (Department/ College/ University)

2.1. University Level

Faculty	Body	Year Onwards
	Member of the Examination Vigilance Squad, University of Calicut	19.10.2022
Mr. Shihabul Haq M	Member of the Board of Studies - Computer Science and Applications – UG, University of Calicut	11.04.2023

2.2. College Level

Faculty	Positions Held
Mr. Rahib B	1. Staff Club Secretary 2. Fifth Semester Open Course Coordinator
Mr. Haris U	1. RUSA Coordinator 2. EMBASE Nodal Officer 3. University College Portal Nodal Officer
Mr. Shihabul Haq M	Website Coordinator
Mrs. Shameema PT	UG & PG Admission Support

3. Details of faculty members and students who have completed online certificate courses from various platforms (courses offered by dept or other national or international bodies excluding the certificate courses run by dept.

Miss. Shana Buhaisa has successfully completed an NPTEL online certificate course on Ethical Hacking.



4. No of students undertook project/ field work/ internships/ field project/ in the academic year (add certificate page of the project, list must be maintained in dept by tutor with topic of the project and supervisor) MOU for project/internship/ field work must be produced.

Fourty Final year B.Sc. Computer Science Students undertook project at different IT firms. Some of the project details and certificates obtained from their IT firms are shown below:



REGIONAL TECHNOLOGIES

matregional@gmail.com

ef:

Date: 08/03/2024

CERTIFICATE

This is to certify that Ms. SHANA BUHAISA P (Reg. No: UTAVSCS040) has successfully completed her academic project entitled "DOS PREDICTION USING MACHINE LEARNING AND DEEP LEARNING" in Python with Android under the guidance of our senior developers during the period September 2023 to March 2024.

During this period she was found hardworking, punctual & efficient. We wish her successful future.

For REGIONAL TECHNOLOGIES

[Signature]
Project Manager



(AN ISO 9001 : 2008 CERTIFIED COMPANY)

Date: 14/03/2024

CERTIFICATE

This is to certify that SAFA KALLIANTHODI (Reg. No: UTAVSCS013) student of KAHM UNITY WOMEN'S COLLEGE, MANJERI has successfully completed her academic project entitled "COLLEGE MANAGEMENT SYSTEM" in PYTHON under the guidance of our senior developers during the period AUGUST 2023 to MARCH 2024.

During this period she was found hardworking, punctual & efficient. We wish her a successful future.

For RISS TECHNOLOGIES

[Signature]
Project Manager



(AN ISO 9001 : 2008 CERTIFIED COMPANY)

Date: 14/03/2024

CERTIFICATE

This is to certify that MISRA FEBI P K (Reg. No: UTAVSCS009) student of KAHM UNITY WOMEN'S COLLEGE, MANJERI has successfully completed her academic project entitled "BLIND ASSISTANCE APPLICATION" in PYTHON with JAVA under the guidance of our senior developers during the period AUGUST 2023 to MARCH 2024.

During this period she was found hardworking, punctual & efficient. We wish her a successful future.

For RISS TECHNOLOGIES

[Signature]
Project Manager



Korambayil Ahamed Haji Memorial
UNITY WOMEN'S COLLEGE
Narukara P.O, Manjeri
Govt. Aided & Affiliated to University of Calicut
Re-accredited by NAAC with B++ Grade

PROJECT REPORT ON

DoS PREDICTION USING MACHINE LEARNING AND DEEP LEARNING

Submitted By
Ms. SHANA BUHAISA P
Reg. No: UTAVSCS040

Guided By
HARIS U
Assistant Professor
PG Department of Computer Science

Submitted To
PG DEPARTMENT OF COMPUTER SCIENCE
KAHM Unity Women's College, Manjeri
Affiliated to University of Calicut

MARCH 2024

COLLEGE MANAGEMENT SYSTEM

This project work is submitted to the PG Department of Computer Science in partial fulfilment of the requirements for the award of the degree of

B.Sc. Computer Science Program

By

Ms. SAFA KALLIANTHODI

Reg.No: UTAVSCS013

Under the Guidance of

Mr. RAHIB B, M.C.A., M.Phil.



PG DEPARTMENT OF COMPUTER SCIENCE
KAHM UNITY WOMEN'S COLLEGE
P.O. NARUKARA
MANJERI

MARCH 2024

KAHM UNITY WOMEN'S COLLEGE, MANJERI
(Affiliated to University of Calicut)



PROJECT REPORT

Entitled on
"BLIND ASSISTANCE APPLICATION"

Submitted by
MISRA FEBI P K (UTAVSCS009)

Under the guidance of
Mr. SHIHABUL HAQ M

PG DEPARTMENT OF COMPUTER SCIENCE
MARCH 2024

Eleven M.Sc. Computer Science Students undertook project at different IT firms. Some of the project details and certificates obtained from their IT firms are shown below:



IC/2024/01

CERTIFICATE OF INTERNSHIP

This Certificate is awarded to
FARSEENA P

This is to certify that **Mrs. Farseena P**, D/O Abdul Azeed, Pulikkal House, Pulloor, Karuvambram P.O, Manjeri, Malappuram, Kerala-676123 completed her internship as a Mobile App Developer (Native) period of 18th March 2024 to June 30th, 2024, on a full-time basis.



Authorised signatory
EMPLOYEE HR SERVICE

Dated : 10-07-2024

This system generated with a scanned signature by authorized signatory does not require company Seal.

ROOM NO 15/475D, TIRURANGADI, 2ND FLOOR, VPC MALL, OTHUKKUNINGAL, MALAPPURAM, KERALA, 676304
Ph: +91 78 94 000 201, 999 68 10 111 www.nexbex.in mail: mail@nexbex.net


HYWEL

LOYALTY POINT MANAGEMENT SYSTEM IN PAINT MANUFACTURER


PROJECT REPORT

Submitted by:
FARSEENA P

For the award of the Degree of:
Master of Science (M.Sc.)
(University of Calicut)



PG Department of Computer Science
KAHM Unity Women's College, Manjeri
Affiliated To University of Calicut
July 2024




Certificate Of Internship

This Certificate is Presented to
Nishana Sherin C

This certifies that **Ms. Nishana Sherin C** completed her internship as a Mobile APP Developer (flutter) at Oriben Technologies from 01/March/2024 to 30/June/2024.

Provided By
Oriben Technologies
Issue Date: 05/07/2024




Anees Ahmed
Managing Director

BAYT SHOPPI


ECOMMERCE MOBILE APP PROJECT REPORT

Submitted by:
NISHANA SHERIN C

For the award of the Degree of:
Master of Science (M.Sc.)
(University of Calicut)

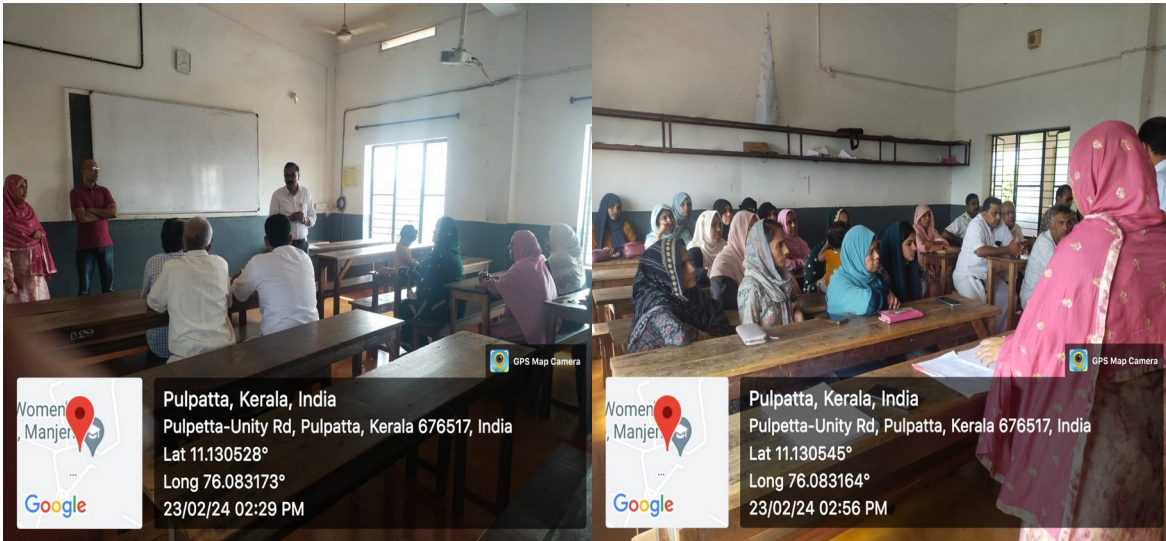


PG Department of Computer Science
KAHM Unity Women's College, Manjeri
June 2024



5. Class PTA

Class	Tutor	No. of parents participated	Date
I Year B.Sc. CS	Ms. Shameema PT	12	23.02.2024
III Year B.Sc. CS	Mr. Rahib B	15	02.11.2023



6- Bridge Courses

UG

Programme Name	Bridge Course for 1 st Year B.Sc Computer Science Students
Programme Type	Bridge Course
Level of the Programme	Department level
Name & Designation of the Coordinator	Mrs. Shameema PT, Asst. Professor, PG Department of Computer Science
Date of the Program	02/08/2023
Duration in days	1
Venue / Platform	Room No. A303
Total Number of Attendees	32
Organizing Body	PG Department of Computer Science
Organizing Committee Members	<input type="checkbox"/> Mrs. Shameema PT (Faculty coordinator) <input type="checkbox"/> Ms. Binziya Sddik (SQAC, 3 rd Year B.Sc CS)
Signature of the Programme Coordinator	

1. Programme Notice / Brochure



KAHM UNITY WOMEN'S COLLEGE, MANJERI
PG DEPARTMENT OF COMPUTER SCIENCE

BRIDGE COURSE FOR 1ST YEAR BSc CS

Wednesday
August
2023 **02**

🕒 09:30 AM | 📍 Room No: A303

- Plotting the course route
- Unveiling the path to future

INAUGURATION - RAHIB B
(HEAD, PG DEPT. OF CS)

Resources

HARIS U	SANGEETHA P
SHIHABUL HAQ M	FATHIMATH SHABANA
SHAMEEMA PT	JASHIRA P
FATHIMA NIDHA P (SQAC, II BSc CS)	RINSHA K (SQAC, V BSc CS)

Organized by DQAC
An IQAC Initiative

Coordinator: Mrs. Shameema PT (Asst. Prof.)
Student coordinator: Binziya Siddik
(3rd year BSc CS)

2. Aim / Objectives of the Programme

The aim of a bridge course for first-year BSc Computer Science students is to provide a solid foundation in fundamental concepts and skills necessary for success in their academic journey. This course typically serves to bridge any gaps in knowledge or skills from previous educational backgrounds, ensuring that all students start their BSc program with a common understanding. It covers essential topics such as mathematics, programming basics, problem-solving techniques, and familiarization with key software tools and technologies relevant to the field. Additionally, it aims to instill critical thinking, analytical abilities, and a strong problem-solving mindset essential for tackling more advanced coursework in computer science. Overall, the bridge course aims to equip students with the necessary tools and confidence to excel in their BSc Computer Science program and beyond.

3. Scope of the Programme

The scope of the bridge course for first-year BSc Computer Science students covers foundational mathematics, programming fundamentals, and essential computer science concepts like algorithms and data structures. Practical components include hands-on coding assignments and exposure to relevant software tools and technologies. Additionally, soft skills development in communication, teamwork, and time management is integrated to prepare students comprehensively for their BSc program and future careers in the field.

4. Programme Outcome and Results

- Foundational Mathematics Understanding: By the end of the course, students should demonstrate proficiency in foundational mathematical concepts such as algebra, calculus, and discrete mathematics. They should be able to apply these mathematical principles to solve problems in computer science, including analyzing algorithms and understanding computational complexity.
- Programming Proficiency: Students should gain a strong grasp of programming fundamentals, including syntax, control structures, and basic data types. They should be able to write and debug programs in at least one programming language, such as Python, Java, or C++. Furthermore, students should understand the principles of modular programming and be able to design and implement small-scale software solutions.
- Computer Science Principles Mastery: The course should ensure that students have a solid understanding of essential computer science principles, including algorithms, data structures, and basic computer organization and architecture. They should be able to analyze algorithms for efficiency and understand the trade-offs involved in choosing different data structures.
- Practical Application Skills: Through coding assignments, projects, and hands-on exercises, students should demonstrate the ability to apply mathematical and programming concepts in practical settings. They should be able to solve problems using computational methods and implement solutions using appropriate programming languages and techniques.
- Problem-Solving Skills Enhancement: The course should focus on improving students' problem-solving skills by presenting them with a variety of computational problems and guiding them through the process of finding efficient solutions.
- Confidence Building: As a result of successfully completing the bridge course, students should exhibit increased confidence in their ability to tackle computer science coursework at the BSc level. They should feel comfortable engaging with complex topics and be prepared to handle the academic challenges that lie ahead.

Overall, the results of the bridge course should include well-rounded students who possess a strong foundation in mathematics and computer science, practical programming skills, enhanced problem-solving abilities, increased confidence, and essential soft skills necessary for success in their BSc Computer Science program and future careers in the field.

5. Programme Summary

PG Department of Computer Science conducted Bridge Course for 1st year B.Sc. Computer Science students on 02/08/2023 at Room No. A303. The program was coordinated by Mrs. Shameema PT, Asst. Professor, PG Department of Computer Science.

The primary objective of the program was introduce the overall structure of the course. The session was inaugurated by Mr. Rahib B, Head of the Department. The other faculties handled the remaining sessions. Ms. Binziya Siddik was the student coordinator of the program. She delivered the vote of thanks.

PG

Programme Name	Bridge Course for 1 st Year M.Sc Computer Science Students
Programme Type	Bridge Course
Level of the Programme	Department level

Name & Designation of the Coordinator	Mrs. Fathimath Shabana, Asst. Professor Ad hoc, PG Department of Computer Science
Date of the Program	02.08.2023
Duration in days	1
Venue / Platform	1 st Year M.Sc Computer Science Classroom
Total Number of Attendees	15
Organizing Body	PG Department of Computer Science
Organizing Committee Members	1. Mrs. Fathimath Shabana (Faculty coordinator) 2. Ms. Fathima Rishla P (SQAC, 2 ND Year M.Sc CS)

1. Programme Notice / Brochure



2. Aim / Objectives of the Programme

The aim of the program is to fill in any knowledge gaps and ensure that all students have a solid foundation before diving into more advanced coursework. It might cover fundamental concepts, programming languages, or prerequisite skills necessary for the program. Essentially, it's like building a sturdy bridge to help everyone cross over to the more challenging aspects of the master degree.

3. Scope of the Programme

The bridge course for first-year Master of Computer Science students can be a fantastic way to ensure that everyone starts on the same page. These courses typically cover fundamental concepts and skills that might be assumed but not guaranteed from undergraduate studies. It ensures that everyone has a solid grasp of the essentials before diving into more advanced coursework.

4. Programme Outcome and Results

1. **Foundation Strengthening:** The course could help students review and strengthen their foundational knowledge in key areas of computer science. This can be particularly useful if students come from diverse undergraduate backgrounds.
2. **Uniform Knowledge Base:** Ensure that all students entering the master's program have a uniform understanding of essential concepts, languages, and tools. This helps create a level playing field for students with different undergraduate experiences.
3. **Programming Proficiency:** The bridge course focused on programming languages commonly

used in the master's program, ensuring that students have a solid grasp of coding skills before diving into more advanced coursework.

4. **4. Research Skills:** Depending on the program's emphasis, the bridge course introduced or enhanced research skills. This could include literature review techniques, research methodologies, and academic writing.
5. **5. Teamwork and Collaboration:** Foster collaboration and teamwork skills through group projects or activities. This is crucial for success in many computer science roles where collaboration is a key aspect of project development.
6. **6. Communication Skills:** Emphasize effective communication, both written and oral. Clear communication is vital in the field of computer science, especially when conveying complex technical concepts to non-experts.
7. **7. Critical Thinking:** Develop and enhance critical thinking skills. This is essential for problem-solving, algorithmic design, and making informed decisions in various areas of computer science.
8. **8. Ethical Considerations:** Introduce ethical considerations and discussions relevant to computer science. This could include topics like responsible AI, cybersecurity ethics, and the societal impact of technology.
9. **9. Networking Opportunities:** Provide opportunities for students to connect with faculty, peers, and professionals in the field. Networking can be invaluable for future collaborations, internships, and job opportunities.
10. **10. Confidence Boost:** The bridge course helped boost students' confidence by ensuring they are well-prepared for the challenges of the master's program. Feeling confident in their foundational knowledge can lead to better academic performance and a more positive learning experience.

5. Programme Summary

PG Department of Computer Science conducted Bridge Course for 1st year M.Sc Computer Science students on 02/08/2023 at 1st year M.Sc Computer Science classroom. The program was coordinated by Mrs. Fathimath Shabana, Asst. Professor Ad hoc, PG Department of Computer Science.

The primary objective of the program was to introduce the overall structure of the course. The session was inaugurated by Mr. Rahib B, head of the department. The other faculties handled the remaining session. Ms. Fathima Rishla was the student coordinator of the program. She delivered the vote of thanks.

6. Programme Recordings (Screenshots, Photos, Videos, etc.)



5. Flipped learning/ online / hybrid learning Details of usage of online teaching platforms for teaching, learning and evaluation, link of GCR, YOU tube links of the department and faculty members and total number of class wise e- communication by each faculty

Faculty	No. of YouTube Links	No. of Google Class Rooms
Mr. Rahib B	90	14
Mr. Haris U	117	5
Mr. Shihabul Haq M	57	-
Mrs. Shameema PT	64	4

CRITERION II

II. Teaching, Learning and Evaluation:

1. No of Students admitted in the academic year 2023 - 24

Merit	Muslim Community Management	Sports	Total
20	21	10	52

2. Tutors of the academic year 2023-24

Class	Tutor
I Year CS	Ms. Shameema PT
II Year CS	Mr. Haris U
III Year CS	Mr. Rahib B
I Year PG CS	Ms. Fathimathu Shabana
II Year PG CS	Ms. Sangeetha P

6. Student centric methods/ Participative learning/ problem solving / experiential learning methodologies used by the faculty members

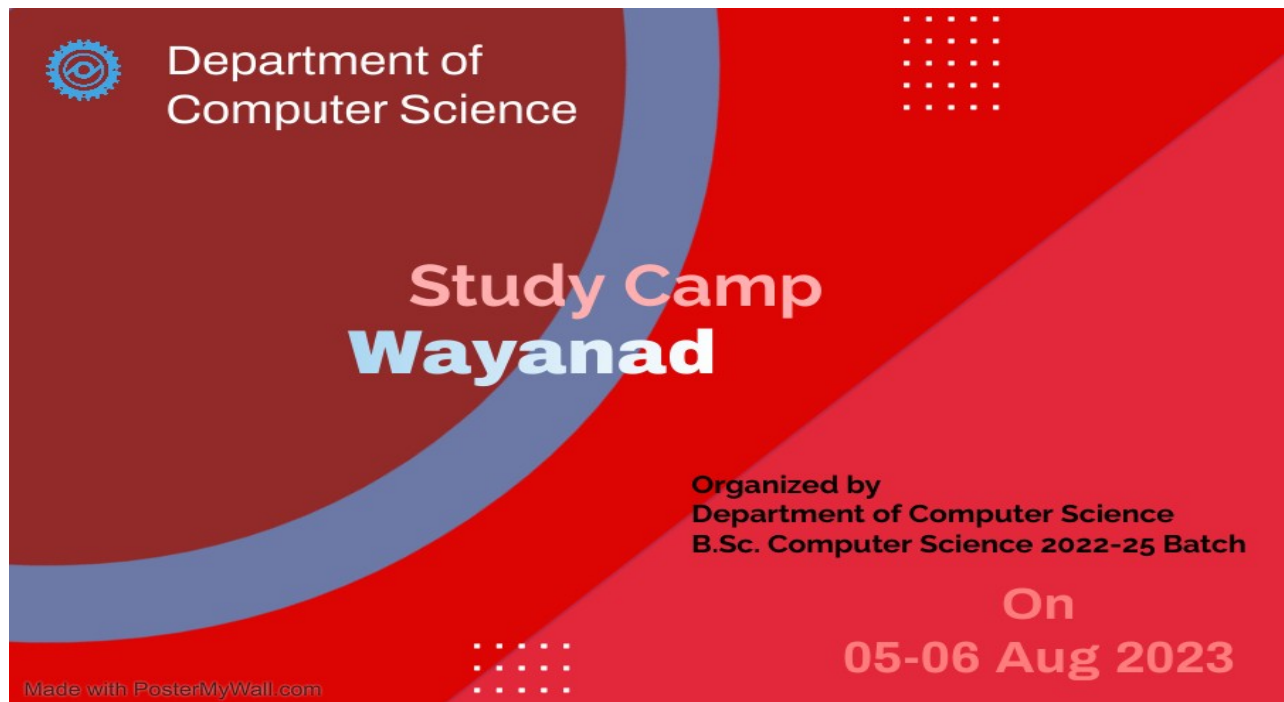
6.1 An interactive session organized by IT Club on MS Excel in connection with Spread Sheet Day on October 17, 2023. The Session was handled by **Miss. Shana Buhaisa P (UG Vth Semester Computer Science Student)**. The Faculty coordinator was Mr. Shihabul Haq M, Assistant Professor, PG Department of Computer Science.

6.2 Study Camp

Programme Name	STUDY TRIP	
Programme Type	Study Trip	
Level of the Programme	Department	
Name & Designation of the Coordinator	Mr. Haris U, Assistant Professor	
Date of the Program	From: 05/08/2023	To: 06/08/2023
Duration in days	Two	
Venue / Platform	Ashtami resort, Wayanad	

Total Number of Attendees	48
Organizing Body	Department of Computer Science
Organizing Committee	Staff Coordinator: Mr. Haris U, Coordinator, Department of Computer Science (Tutor, B.Sc. Computer Science 2022-25 Batch)Student Coordinator: Nafla P.T. (Class Representative B.Sc. Computer Science 2022-25 Batch)
Signature of the Programme Coordinator	

1. Programme Notice / Brochure



2. Aim / Objectives of the Programme

The study camp for BSc Computer Science students aims to enhance their knowledge, skills, and career readiness. It includes workshops on advanced topics like AI and cybersecurity, coding challenges, industry talks, and project-based learning. The camp also offers soft skills training, field trips, peer mentoring, and career guidance. These activities prepare students for success in their academic and professional careers.

3. Scope of the Programme

The study camp for BSc Computer Science students aims to provide a comprehensive learning experience. It includes advanced workshops on topics like AI and cybersecurity, hands-on coding sessions, and hackathons to enhance practical skills. Industry talks and career guidance sessions prepare students for professional success. The camp also offers soft skills training, research opportunities, and field visits to tech companies. Through peer mentoring and continuous feedback, students can develop both academically and professionally, readying them for future careers in computer science.

4. Programme Outcome and Results

Programme Outcome: Students gain advanced knowledge in computer science, practical coding skills, industry insights, soft skills, and professional readiness.

Results: Enhanced academic performance, improved problem-solving abilities, better career preparedness, strong professional networks, and increased employability.

5. Detailed Programme Report

Department of Study: Computer Science

Class: B.Sc. Computer Science Students 2022-25 Batch

Academic Year: 2023-24

No. of Students: 45

Places Proposed to be Visited: Wayanad

Date of Commencement: 05-08-2023

Date of Completion: 06-08-2023

Mode of Conveyance: Bus

Name & Designation of Staff Members Accompanying the Tour:

Haris U, Assistant Professor

Jashira P, Assistant Professor (Ad-hoc)

Shabana P, Assistant Professor (Ad-hoc)

Sangeetha P, Assistant Professor (Ad-hoc)

Introduction

The study camp for the B.Sc. Computer Science students of the 2022-25 batch was organized with the aim of enhancing academic knowledge, practical skills, and professional development. The camp took place in Wayanad from August 5th to August 6th, 2023, with 45 students participating. The camp was facilitated by a team of dedicated staff members who ensured the smooth execution of the program.

Program Schedule

Day 1: August 5, 2023

07:00 AM: Departure from college by bus

10:00 AM: Arrival at Wayanad and check-in

11:00 AM - 01:00 PM: Workshop on Advanced Programming Techniques

01:00 PM - 02:00 PM: Lunch Break

02:00 PM - 04:00 PM: Seminar on Cybersecurity and Ethical Hacking

04:00 PM - 06:00 PM: Field Visit to a Local Tech Hub

07:00 PM: Dinner and Networking Session

Day 2: August 6, 2023

08:00 AM: Breakfast

09:00 AM - 11:00 AM: Coding Challenge and Hackathon

11:00 AM - 01:00 PM: Industry Talk by Tech Professionals

01:00 PM - 02:00 PM: Lunch Break

02:00 PM - 04:00 PM: Team Project Presentations

04:00 PM: Departure from Wayanad

07:00 PM: Arrival at college

Programme Outcomes

The study camp successfully met its objectives of providing an enriching educational experience. Students gained advanced knowledge in computer science through workshops and seminars, enhanced their practical skills via hands-on coding challenges, and received valuable insights from industry professionals. The field visit to a local tech hub provided real-world exposure, while the team project presentations fostered collaboration and innovation.

Results

Academic Enhancement: Students demonstrated a deeper understanding of advanced programming and cybersecurity concepts.

Skill Development: Practical coding skills and problem-solving abilities were significantly improved.

Professional Growth: Students gained valuable career insights and networked with industry professionals.

Team Collaboration: Team projects and group activities enhanced teamwork and collaboration skills.

Overall Experience: The camp was a memorable and productive experience, leaving students better prepared for their academic and professional futures.

Conclusion

The study camp in Wayanad was a resounding success, achieving its goals of academic enrichment, skill development, and professional growth. The combined efforts of the faculty and the enthusiastic participation of the students made the camp a valuable and enjoyable learning experience.

6. Students Involvement in the Programme

The B.Sc. Computer Science students of the 2022-25 batch actively participated in every aspect of the study camp. They engaged in workshops, seminars, and hands-on activities on advanced programming, cybersecurity, and ethical hacking. Students collaborated in coding challenges and hackathons, asked insightful questions during industry talks, and presented innovative solutions in team projects. They also networked with professionals during a field visit and contributed to logistics, ensuring the camp ran smoothly. Their feedback highlighted the camp's success in enhancing skills and fostering career readiness.

7. Programme Recordings (Screenshots, Photos, Videos, etc.)

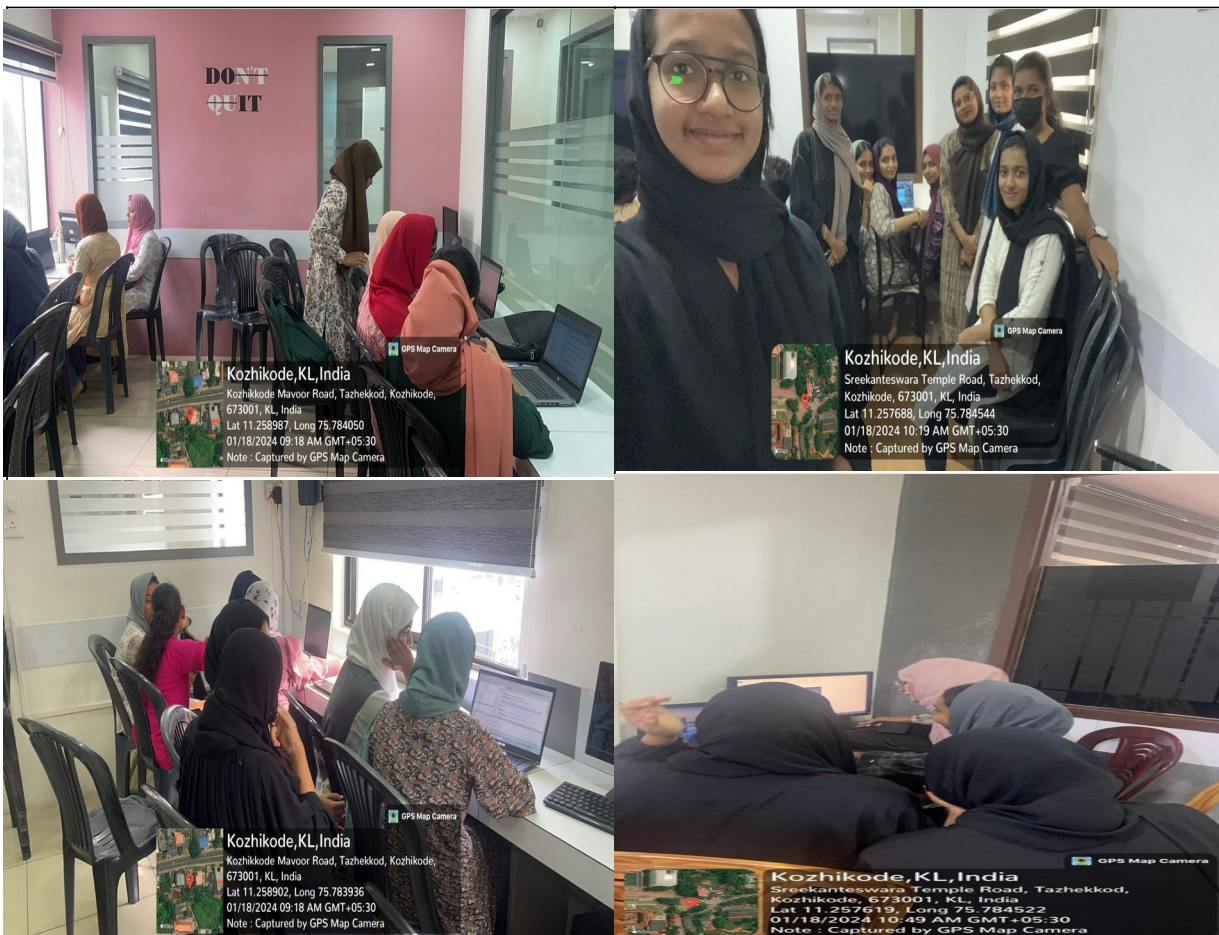


6.2 Association Inauguration

The Department of Computer Science celebrated its Association Inauguration on December 21, 2023. Mr. Mohammed Navas C.K., Cloud Architect at Cognizant Technologies, United States, inaugurated the event and revealed the association's name, CODIGO'24. The program was coordinated by Mr. Haris U (Assistant Professor) and Adila Hamna C.A. (B.Sc. CS 2022-25 Batch). Highlights of the event included an interactive session by guest speaker Mohammed Navas C.K. on the topic of Cloud Computing. He shared his professional experiences, making the session both inspiring and insightful. Participants gained a deeper understanding of cloud computing. Following his session, there was a documentary showcasing the beauty of computer science and the history of computers.



6.2 Experiential Learning at different IT firms during the academic year 2023 24



7. Remedial Teaching Measures adopted by the department

The Computer Science Department offered Add-On courses to uplift the weaker students.

8. Assessment and Evaluation

The students are evaluated by the different methods such as asking questions in the class rooms during lecturing, giving assignments and conducting students seminars on various streams of knowledge.

9. Faculty Ph.D. status

Faculty	Registration	University	Status
Mr. Rahib B	July, 2015	Bharathiar University Coimbatore	Submitted Thesis on 30.05.2022
Mr.Haris U	April, 2016	University of Calicut, Calicut	Pursuing
Mr.Shibahul Haq M	November, 2019	University of Calicut,Calicut	Pursuing
Ms. Shameema PT	February, 2022	Avinashilingam University Coimbatore	Pursuing

10. Teacher Evaluation by the Departments

The HoD and Class Tutors are frequently Taking Feedback from the students, and discuss it in the department meeting and take appropriate decisions.

11. Result analysis of the Department

No. of Students Registered	39
No. of Students Appeared	37
No. of Students Passed	27
Pass Percentage	72.97%

	Grade	Count
	A+	1
No. of Students Passed With	A	1
	B+	20
	B	5

CRITERION III

1. Seminar/ webinar/ workshops/ etc. conducted

SNo	Seminar	Date
1	A seminar on " Unleashing the Power of AI ". The student coordinator Shahna Sherin (II Semester MSc Computer Science) delivered the welcome speech. Mr Rahib B (Head of the PG Department of Computer	July 10,2023

- Science) delivered the keynote speech. The session was inaugurated by our respected Principal Professor (Dr.) Muhammed Ummathur. Dr. Shahina Mol AK (IQAC coordinator & Head of the Department of English) has given a nice felicitation on the auspicious occasion. The session was handled by Mr. Naveen Thomas John (project manager of regional IT, Calicut) and Aiswarya Krishna (software engineer, regional IT, Calicut. Another student coordinator Rinsha K (UG V Semester Computer Science) concluded the session with vote of thanks. Mr. Rahih B, was the Faculty Coordinator.
- A seminar on the topic “**Pythonic paradigms**”. The student coordinator Fathima Nidha P (UG II Semester Computer Science) delivered the welcome speech. .Mr Haris U (Assistant Professor, PG Department of Computer Science) delivered the presidential address to the session. The session “Pythonic paradigms” was handled by Mr. Midhun Raj (Director, Techolas Technologies). Another student coordinator Farseena p (PG II Semester Computer Science) concluded the session with vote of thanks. Mr. Rahih B(Assistant Professor & Head, PG Department of Computer Science), was the Faculty Coordinator.
- A seminar on the topic “**The ethical hackers playbook**”. The student coordinator Nidha Fairu VM (UG II Semester Computer Science) welcomed the gathering. Ms. Sangeetha P (Assistant Professor, PG Department of Computer Science) delivered tje keynote speech to the session. The session “The ethical hackers playbook” was handled by Mr Anwar (Head trainer RedTeam, Kottakkal). Another student coordinator Jihana A (UG V Semester Computer Science) concluded the session with vote of thanks. Mr. Rahih B (Assistant Professor & Head, PG Department of Computer Science), was the Faculty Coordinator.
- A seminar on “**Driving innovation with IoT**”. The student coordinator Fathima Risha K P (UG V Semester Computer Science) delivered the welcome speech. Ms.Fathimath Shabana (Assistant professor, PG Department of Computer Science) delivered the keynote speech to the session. The session “Driving innovation with IoT” was handled by Mr.Likhlil T(project manager Riss technologies, calicut)and Mr.Roshin P(project co-ordinator). The other student coordinator Nishana sherin C (PG II Semester Computer Science) concluded the session with vote of thanks. Mr. Rahih B (Assistant Professor & Head, PG Department of Computer Science), was the Faculty Coordinator.
- A seminar on “Django Decoded”. The session was handled by Manikandan P(CEO Softronics) and Hridya(Python Developer Softronics). . Mr. Rahih B (Assistant Professor & Head, PG Department of Computer Science), was the Faculty Coordinator.
- Alumni Lecture Series Season 2 – Lecture 1 on the topic “**Introduction to Mainframe**“. The Program

July 11,2023

July 12,2023

July 13,2023

July 14,2023

July 29, 2023

was coordinated by Mrs. Fathimath Shabana (Assistant Professor (ad hoc), PG Department of Computer Science). Ms. Radhika A (Associate Technical Engineer, IBM - Bangalore), 2015 - 18 BSc Computer Science Alumna was the resource person. In the session she explained about different features of Mainframes, its applications and its role in modern computing etc.

A workshop on **“Unlocking your research potential: AI-Powered tools for Computer Science Papers”**. Mr. Afsal CP (Research Scholar, Pondicherry University) was the resource person. The program was officially inaugurated by principal, Prof(Dr.)Muhammed Basheer Ummathur. The program was coordinated by Mrs. Jashira P(Asst. Professor(Ad hoc), PG department of Computer science). The program was ended with the vote of thanks by Ms. Shahana Sherin KT (Student coordinator).

7

October 25, 2023

A Session on **“Navigating Success: Computer Science NET orientation Program”**. Mr. Afsal CP (UGC JRF, Research Scholar, Pondicherry University) was the resource person. The program was coordinated by Mrs. JashiraP(Asst. Professor(Ad hoc), PG department of Computer science).

8

October 25, 2023

G Department of Computer Science in association with IT Club conducted an **IT Quiz Competition** as part of the National Internet Day. The program was coordinated by Mrs. Fathimath Shabana, Asst. Professor Ad hoc, PG Department of Computer Science.

9

November 3, 2023

1. Awards/ honors received by the student/ faculty/ dept

Miss. Shana Buhaisa, Final Year B.Sc. Computer Science student won the NCC Best Senior Award(2021 - 24)



Miss. Shana Buhaisa, Final Year B.Sc. Computer Science student received the CATC Senior Award - NCC - 1K ARTY BTY NCC from a function held in Thalasseri



CRITERION IV

Infrastructure and Learning Resources

Room	Facilities
Department	Desktop Computer, Laptop & Printer
Computer Lab	50 Core i7 Desktop Computers & 1 projector
	IoT Lab
	Department Library
B.Sc. Second Year	Projector
B.Sc. Third Year	Smart TV
M.Sc. First Year	Smart TV
M.Sc. Second Year	Smart TV

V STUDENT SUPPORT SYSTEM

Scholarships

Batch 2021 2024

Year	POST Metric	CH	Egrant	PTA
I B.Sc. CS	5	7	8	1
II B.Sc. CS	4	4	1	1
III B.Sc. CS	-	4	-	1

Batch 2022 2025

Year	POST Metric	CH	Egrant	HECS	PJMS
I B.Sc. CS	16	16	8	1	1
II B.Sc. CS	-	4	-	-	-

Batch 2023 2026

Year CH
I B.Sc. CS 7

Alumni Activities

SNo	NAME OF ACTIVITY	DATE
1	Alumni Lecture Series Season 2 – Lecture 1 on the topic “ Introduction to Mainframe “. The Program was coordinated by Mrs. Fathimath Shabana (Assistant Professor (ad hoc), PG Department of Computer Science). Ms. Radhika A (Associate Technical Engineer, IBM - Bangalore), 2015 - 18 BSc Computer Science Alumna was the resource person. In the session she explained about different features of Mainframes, its applications and its role in modern computing etc.	July 29, 2023
2	Alumni Lecture Series Season 2 – Lecture 2 on the topic “ 21st Century Skills “. The Program was coordinated by Mrs. Fathimath Shabana (Assistant Professor (ad hoc), PG Department of Computer Science). Mrs. Nasheeda KT (Skill Development Executive, ASAP, Kerala), 2014 – 17 BSc Computer Science Alumna was the resource person. In the session she explained about various skills needed to keep up in today’s competitive world and etc.	August 27 ,2023
3	Alumni Lecture Series Season 2 – Lecture 3 on the topic “ CareerConnect ” Bridging Programming, Higher Studies, and Diverse Career Paths in Computer Science “. The Program was coordinated by Mrs. Fathimath Shabana (Assistant Professor (ad hoc), PG Department of Computer Science). Ms. Husna NM (Lead Blockchain Developer, Accubits Technology, Trivandrum), 2014 – 17 BSc Computer Science Alumna was the resource person. In the session she explained about various higher study options, possible career opportunities and the way to these opportunities.	September 27,2023
4	Alumni Lecture Series Season 2 – Lecture 4 on the topic “ What’s Next? “. The Program was coordinated by Mrs. Fathimath Shabana (Assistant Professor (ad hoc), PG Department of Computer Science). Mrs. Raneesha K K (Assistant Professor, Dept.of Computer Application, GEMS Arts & Science College, Ramapuram), 2017 – 2020 BSc Computer Science Alumna was the resource person. In the session she explained about various career opportunities and tips to these opportunities.	October 29, 2023
5	Alumni Lecture Series Season 5 on the topic “ Experience Agile Scrum & Testing Approaches ” .Mrs. Aparna C A (QA Engineer, Se-Mentor Solutions Pvt Ltd, Techno Park, Trivandrum), 2011 – 2014 B.Sc. Computer Science Alumna was the	November 25, 2023

	resource person. Mrs. Fathimath Shabana (Asst. Professor Ad hoc, PG. Dept. of Computer Science) delivered the welcome speech. She explained about various software development models especially agile scrum and different software testing methods and tools. The vote of thanks delivered by the student coordinator Mrs. Hiba T H (1 st Semester MSc CS).	
6	Alumni Lecture Series Season 5 on the topic “Professional Development Skills. The session was held on at 7.30 pm via Google Meet platform. Ms. Rumaissa Mol A (Assistant Professor, Nasra Arts and Science College, Thirurkkad), 2013 – 2016 B.Sc. Computer Science Alumna was the resource person. Mrs. Fathimath Shabana (Asst. Professor Ad hoc, PG. Dept. of Computer Science) delivered the welcome speech. Ms. Rumaissa explained about various professional development skills for a successful career and some tips to achieve those skills. The program was ended with the vote of thanks by Mrs. Fidha (1 st Semester MSc CS).	January 28, 2024

VI. GOVERNANCE, LEADERSHIP AND MANAGEMENT

1. Invited Lectures/ extension lectures/ extension activity by the teaching faculty of the department / Paper Presentations/ given by the Faculty Members

Faculty	Title	Organizing Institution	Date	Participation
	Refresher Course on “Advanced Research Methodology”	Teaching Learning Centre, Ramanujan College, University of Delhi	22.08.2023 to 05.09.2023	to Participation
Mr. Haris U	Short Term Course on “Curriculum Development & National Education Policy”	Malaviya Mission Centre, Punjabi University, Patiala	17.11.2023 to 23.11.2023	Participation
	Breast cancer classification using explainable AI on Digital Mammograms	Farook College(Autonomous), Calicut	20.01.2024	Participation
Mr. Shihabul Haq M	Unveiling Abnormal Leaf Fall of Engineering for Women.	Arunachala College of Engineering for Women. Kanyakumari District, Tamil Nadu.	22.12.2023	Presentation
	Short term capacity building program on “Research Ecosystem and	Avinashilingam Institute-Academic & Administrative Development	28.08.2023 to 01.09.2023	Participation

	Technology”	Centre, Coimbatore		
	Short Term Course on “Computational Research Methods”	Malaviya Teacher Training Centre, University of Calicut, Calicut	14.09.2023 to 20.09.2023	Participation
Mrs. Shameema PT	Intellectual Awareness/Training Program	NIPAM, National Awareness Mission	30.08.2023	Participation
	Refresher Course on “Advanced Research Methodology”	Teaching Learning Centre, Ramanujan College, University of Delhi	21.11.2023 to 05.12.2023	Participation

VII. INSTITUTIONAL VALUES AND BEST PRACTICES

Day Celebrations

SNo	NAME OF ACTIVITY	DATE
1	An interactive session organized by IT Club on MS Excel in connection with Spread Sheet Day . The Session was handled by Shana Buhaisa P (UG V Semester Computer Science Student) .The Faculty coordinator was Mr. Shihabul Haq M, Assistant Professor, PG Department of Computer Science.	October 17, 2023
2	PG Department of Computer Science in association with IT Club conducted an IT Quiz Competition as part of the National Internet Day. The program was coordinated by Mrs. Fathimath Shabana, Asst. Professor Ad hoc, PG Department of Computer Science.	November 3, 2023