BHARATA MATA COLLEGE
THRIKKAKARA

ANNUAL REPORT
2022-2023

DEPARTMENT OF COMPUTER SCIENCE

Department at a Glance

The Department of Computer Science started in January 2021 in the Govt aided stream with the introduction of Integrated MSc Computer Science (Artificial Intelligence and Machine Learning).

Department Vision

Technologically Enabled Youth for God and Country. To become a centre of excellence by providing its students a comprehensive Technological education with special emphasis on responsible citizenship, secular outlook, moral values and abiding faith in God expressed in active concern for others.

Department Mission

To equip the students to be empowered, skilled and life-ready for the present and future Technological challenges of the country.

Programmes offered

PG- Integrated PG MSc Computer Science
(Artificial Intelligence & Machine Learning)
Certificate/ Addon- Flutter

Department highlights (Count Only)

Research Guides - 1

Ph.D Awarded - 1

Funded Research - 1

Paper Publications - 3

Books Authored - 3

Paper Presentations-1

Publications - 2

MoUs - 1

NET/JRF Qualifiers - 5+2

Workshops/Seminars/

Invited Talks -10

Faculty Profile

Dr. John T Abraham

Asst Professor & HoD

Qualification : MTech(IT), MCA,PhD,MSc,MPhil,

Joining Year : 2012

Dina Stephan K

Guest Faculty

Qualification: MCA, M. Phil, NET

Joining Year : 2021

Mary Femy P F

Guest Faculty

Qualification : M.Tech (CSE),NET

Joining Year : 2021

Anisha Poly

Guest Faculty

Qualification : MCA, NET

Joining Year : 2021

Faculty Profile

Alphonsa Sini

Guest Faculty

Qualification : MCA (Computer Applications), NET

Joining Year : 2022

Sivasankari M N

Guest Faculty

Qualification : M.E (Pervasive Computing Technologies), NET

Joining Year : 2022

Anupama Jayan

Guest Faculty

Qualification : M.Tech (Computer Science), NET

Joining Year : 2022

Reshmi V

Guest Faculty

Qualification : ME(Computer Science Engineering), NET

Joining Year : 2022

Student Representatives

Class	Batch (eg.2021-24)	Male	Female
PG – 1st Year	2022-2027	9	11
PG – 2nd Year	2021-2026	12	6
PG – 3rd Year	2020-2025	3	5

Student Representatives

Class	Male (Name)	Female (Name)
PG – 1st Year	ANTONIO TOM JESVIN	NIYALA A N
PG – 2nd Year	M R SURYAJITH	SALIHA K H
PG – 3rd Year	RAHUL VISAGH H	SANIYYA RAVUTHAR K- N

Result analysis of Students 2020-23 (UG)

B Sc Physics Model 1						
Semester						
SEM	I	II	III	IV	V	VI
Pass %	0.625	0.375				

Department contribution to examinations

Name of the Faculty	Role Taken
Dr. John T Abraham	Question Paper Setter
Dr. John T Abraham	Chairman
Dr. John T Abraham	Chief Examiner
Dr. John T Abraham	Additional Examiner
Dr. John T Abraham	Scheme of Valuation Preparation
Dr. John T Abraham	PhD Adjudicator
Dina Stephen K	Question Paper Setter
Mary Femy P F	Question Paper Setter
Anisha Poly	Question Paper Setter
Alphonsa Sini	Additional Examiner for University Exam
Sivasankari M N	Question Paper Setter
Anupama Jayan	Question Paper Setter
Anupama Jayan	Additional Examiner for University Exam
Anupama Jayan	External Examiner for University Practical Exam
Reshmi V	Question Paper Setter
Reshmi V	Additional Examiner for University Exam
Reshmi V	External Examiner for University Practical Exam

Institutional responsibilities held by the faculty

Name of the Faculty	Responsibilities Held
Dr. John T Abraham	HoD
Dr. John T Abraham	Council Member
Dr. John T Abraham	RUSA Committee member
Dr. John T Abraham	Campus Ministry Committee Member
Dr. John T Abraham	Resource Team Member
Dr. John T Abraham	IIC Member
Dr. John T Abraham	GDSC Coordinator
Dr. John T Abraham	Constitutional Values Committee Convenor
Dr. John T Abraham	Staff Welfare Committee Convenor
Dr. John T Abraham	PTA Executive Member
Anisha Poly	Admission coordinator
Alphonsa Sini	Department Add on Coordinator
Sivasankari M N	IQAC-in-charge from Dept
Anupama Jayan	MOOC in-charge from Dept
Reshmi Vineesh	Department Association coordinator

Department Association

The Computer Science Students' Association Inauguration for the academic year 2022-23 was held on 6/12/2022, at the Cardinal Parecattil Auditorium, Bharata Mata College,Thrikkakara.

Structure of the Association:
Staff In charge:Reshmi V
President :Dr. John T Abraham
Students' Secretary: Omer Al Abdul Latheef

The Computer Science Students' Association Inauguration for the academic year 2022-23 was held on 6/12/2022, at the Cardinal Parecattil Auditorium, Bharata Mata College,Thrikkakara. The event opened with a prayer. The gathering was welcomed by Dr. John T. Abraham Head of the Department, Computer science.The conference was presided over by the College Principal Dr. Johnson K.M.

Survey Sparrow Pvt Ltd Technical Architect Justin George, Chief Guest of the event, inaugurated TECONIQ, the Students' Association 2022-23 of the Integrated MSc. Computer Science (Artificial Intelligence and Machine Learning). He delivered a talk on the topic "Progress in Artificial Intelligence Machine Learning" and also added that artificial intelligence should be devised by students and researchers. He also explained how AI plays an important role in the current trend of the tech world, which was very inspiring and encouraging for the students.

Mr. Sakthivel, The Human Resource Officer of Survey Sparrow Limited, Mr.Saravanakumar, Placement Officer of Bharata Mata College and other dignitaries were present.

The Computer Science Department's online magazine 'INTELOQ' was released by the Chief guest of the event. Special prizes were awarded to students Angelo Seby who stood first in Technical Activities and Soju Joji who stood first in Industrial Visit Report.

Association Secretary Omer Al Abdul Latheef concluded the event with a vote of thanks.

"Project Orientation for Integrated MSc Computer Science"

Date and Time :20/06/2022 @1.30pm

Coordinators :Dr. John T Abraham, Ms Mary Femy P F

Resource Person/s : Ms.Ancy C A

Number of Participants :28

Department of computer science, Bharata Mata College, Thrikkakara organized a one-day seminar on "Project orientation for Integrated MSc Computer science" on June 20, 2022, in the 2nd year Int. MSc CS classroom. The seminar focused on the relevance and steps involved in a project. The programme started at 1:30 pm with the welcome address by Ms.Mary Femy P F (Faculty Coordinator). The dignitaries on the dais were Dr John T Abraham (HOD, Department of Computer Science), Ms Ancy C A Asst. Professor, Department of Computer Science, St. Paul's College, Kalamassery. Dr John T Abraham gave opening remarks and an introduction to the programme. He highlighted the importance of the project in the Integrated MSc Computer Science course. The resource person, Ms Ancy C A shared her research experience and talked about the relevance of doing projects. She spoke about the procedures involved in the project work and also highlighted the importance of publishing papers. The programme wrapped up around 3:30 pm. The vote of thanks was given by M.R Suryajith (2nd year Int.MSc Computer Science).

Orientation session on "Live Projects"

Date and Time   :23-06-2022 @2:30pm
Coordinators   :Dr. John T Abraham, Ms.Dina Stephen K
Resource Person/s   : Sunesh Sharma, HR,Softloom IT Solutions
Number of Participants   :8

Third year (5th semester) Integrated MSc Computer Science students visited the software firm - Softloom IT Solutions, Ernakulam and attended an orientation session on live projects on 23rd June 2022 from 2.30 pm to 3.45 pm

Seminar on "Five Beautiful Years"

Date and Time   :24/11/22 @1:30pm
Coordinators   :Dr. John T Abraham, Ms.Alphonsa Sini
Resource Person/s   : Ms.Sissy Sasidharan
Number of Participants   :20

Seminar on five beautiful years started at 1.30 pm with a silent prayer. HOD Dr.John T Abhraham welcomed the gathering. Resource person Ms.Sissy Sasidharan gave an orientation talk which motivated the students for their five-year academic life in integrated MSc

Computer Science in AI & Machine Learning. She differentiated the school life with College life and stressed on the responsibilities to be the best students of Bharatha Matha College. Student's representative expressed a vote of thanks. Seminar concluded at 3.30pm.

Seminar on "Library Orientation"

Date and Time   **:25/11/22 @1:30pm**

Coordinators   **:Dr. John T Abraham, Ms.Alphonsa Sini**

Resource Person/s   **: Ms.Greety Toms, Librarian, BMC**

Number of Participants:20

Seminar on Library Orientation conducted on 25/11/22. The seminar was effective. Ms.Greety Toms delivered a speech on Structure of library, Services offered by library, Access E-Resource, Open education resources and Library rules. At the end of the session, Student have a clarity of how effectively they can make use of library resources

Kochi, Kerala, India
Bharata Mata College, Thrikkakara Old Post Office Rd,
Thrikkakara, Edappally, Kochi, Kerala 682021, India

Advancement in Python

Date and Time   :16/12/2022 @1.30pm

Coordinators   :Dr. John T Abraham, Ms Reshmi V

Resource Person/s   : Mr.Abin, Software Engineer, I Net Infotech

Number of Participants: 42

The Event Started with a silent prayer. The gathering was welcomed by Dr. John T. Abraham Head of the Department, Computer science. Mr.Abin, Software Engineer, I-Net Infotech gave a valuable talk on Python Programming. It adds values to the students.

Team Work Works

Date and Time   :19/12/22 @9:30am

Coordinators   :Dr. John T Abraham, Ms.Sivasankari.M.N

Resource Person/s   :Mr.Saravana Kumar S, Placement Officer, BMC

Number of Participants:35

A training programme on "TeamWork Works" was organized by the Department of Computer Science on 19/12/22 at Seminar Hall, Bharat Mata College, Thrikkakara. The session was conducted at 9.30 am. Dr.John T Abraham welcomed the gathering. Saravana Kumar S, TPO was the resource person of the day. He explained how the team work causes im-

pact in individual life. It was an effective training program for the students. The programme duration was around 4 hours.
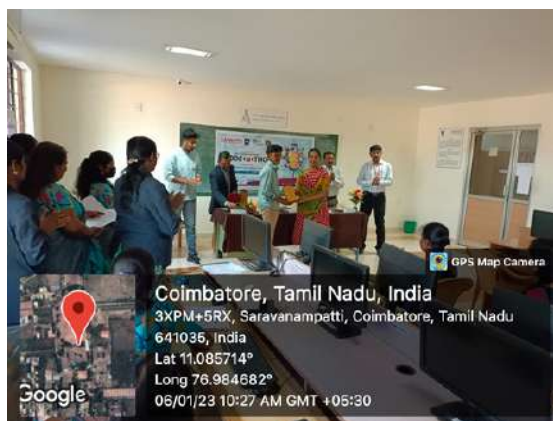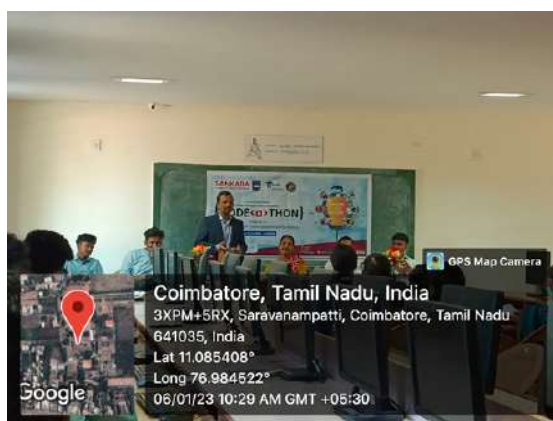

Hands-on workshop - Git & GitHub

Date and Time   :06/01/2023 @9:30am
Coordinators   :Dr. John T Abraham, Saravana Kumar S
Resource Person/s   :Angelo Seby, Vijayakrishnan S R
Number of Participants:30

On 6 January 2023 , our two students of Integrated MSc Computer Science - Angelo Seby & Vijayakrishnan handled the workshop on latest technology Git & GitHub at Sankara College Coimbatore. They did it very well and everyone was happy to see the excellent performance of the 2nd year student of Bharata Mata College in emerging technology. Our students received mementoes and certificates. Thanks to Training and Placement officer and Management for arrangement of this wonderful opportunity as part of MoU with Sankara College

Internship Orientation

Date and Time   : 13/02/23 @1.30pm

Coordinators   :Dr. John T Abraham,Ms.Sivasankari M N

Resource Person/s   :Mr.SaravanaKumar S

Number of Participants:20

An Internship Orientation programme was organized by the Department of Computer Science on 13/2/23 at MSc AI first year classroom, Bharat Mata College, Thrikkakara. The session was conducted at 1.30 pm. Student representative Niyala welcomed the gathering. Saravana Kumar S, TPO was the resource person of the day. He explained the importance of Internship. It was an effective program for the students. The programme duration was around 2 hours.

Tech Hunt- Eye Opener to Software Industry

Date and Time   :1/03/23 @10.00am

Coordinators   :Dr. John T Abraham

Resource Person/s   : Mr.Josemon M A, Inforays Technolab, Kochi

Number of Participants:33

Workshop on "Tech Hunt- Eye Opener to Software Industry" started at 9.30 am. HOD Dr. John T Abhraham welcomed the gathering. Resource person Mr.Josemon M A, Inforays

Technolab, Kochi delivered a talk on internship orientation which motivated the students to do internships in industry. Student's representative expressed a vote of thanks. Seminar concluded at 12.30pm.

Thrikkakara Old Post Office Rd, Thrikkakara, Edappally, Ernakulam, Kerala 682021, India
Latitude 10.029947021976113°
Longitude 76.33516447618604°
Local 11:09:16 AM
GMT 05:39:16 AM
Altitude 10.95 meters
Wednesday, 01.03.2023

Motivational Seminar on "Create Finance through Technology"

Date and Time   :1/03/23 @2.30pm
Coordinators   :Dr. John T Abraham
Resource Person/s   :Dr.Ratheesh
Number of Participants:33

Motivational seminar on "Create Finance through Technology" started at 2.30 pm. HOD Dr.John T Abhraham welcomed the gathering. Resource person Dr.Ratheesh K R, Assistant Professor(Commerce), BMC delivered a speech which motivated the students. It was an interactive session and students were impressed by the speech. Student's representative expressed a vote of thanks. Seminar concluded at 3.30pm.

Conquer your stress like a pro

Date and Time   :23/03/23 @ 10.30 am
Coordinators   :Dr. John T Abraham
Resource Person/s   :Ms.Asna M Azeez, Consultant, Psychologist
Number of Participants:42

The Self Motivational Programme on "Conquer your stress like a pro"; started at 10.30 am. HOD Dr.John T Abraham welcomed the gathering. Resource person Ms.Asna M Azeez, Consultant, Psychologist gave suggestions for the students, how to overcome the stress in life. It was an interactive session and also developed self confidence in them. Student's representative expressed a vote of thanks. Seminar concluded at 1.00pm.

Bharata Mata College, Thrikkakara Old Post Office Rd, Thrikkakara, Edappally, Kochi, Kerala 682021, India

Latitude
10.0299061°

Longitude
76.3353375°

Local 11:25:11 AM
GMT 05:55:11 AM

Altitude 10.95 meters
Thursday, 23.03.2023

Day Observations

Onam celebration

Day Observed   :02/09/2022
Date and Time   :10.00 am
Coordinator   :Dr. John T Abraham, HoD
Number of Participants:30

Onam, the harvest festival of Kerala, was celebrated at school on 02 September 2022 by the staff and students of MSc Integrated AI and ML. students brightened the campus with their colourful ethnic wear in the traditional attire of Kerala.

The festival of Onam is dedicated to the King Mahabali who sacrificed himself along with his kingdom in order to stand true to his words. Then students perform a dance in Malayalam to commemorate the day. Students brought petals of different colour flowers from home and were engaged in making a colourful flower Rangoli – 'Pookalam'. The flower Rangoli was a collaborative activity of all the staff members of the department.

Computer Literacy day

Day Observed   :2/12/2022

Date and Time   :10.00 am

Coordinator   :Dr. John T Abraham, HoD

Number of Participants:50

The computer Literacy day celebration was held on 2nd december of 2022. Around 50 participants were there as attendees. The event started by seeking the blessing of almighty with a prayer song sung by Niyala N, 1st year computer science student. Dr. John T Abraham, HoD welcomed the participants to the session. The session was followed by several cultural activities of our students.The event was concluded with a vote of thanks expressed by Ms. Anaswara K.

Christmas celebration

Day Observed   :23/12/2022

Date and Time   :10.00 am

Coordinator   :Ms. Anisha Poly

Number of Participants:50

The Department of Computer science celebrated Christmas on 23/12/2022.

Celebration was started with a cake cutting. Students sang a carol song. They participated in a competition such as crib making, Tableau, start making and carol song making organised by the college campus ministry. Celebration was concluded at 12 pm.

Internet Safety Day

Day Observed   **:07/02/2023**

Date and Time   **:12.00 pm**

Coordinator   **:Dr. John T Abraham, HoD**

Number of Participants:20

In connection with the Internet Safety Day, the Department of Computer Science conducted a program on 7/2/23 @12pm. Mr. Vijeesh U, Manager Keren Infolabz & Mr.Renjith B, Software Head, Keren Infolabz were the resource persons of the program. They delivered the speech on "Internet Safety" which created awareness among the students how we should safeguard the personal details from unauthorized access.

Women Day Celebration

Day Observed   :08/03/2023

Date and Time   :10.00 am

Coordinator   :Dr. John T Abraham, HoD

Number of Participants:20

On March 8th, 2023, a Women's Day program was conducted in our department. The program was hosted by Neha Anas (2nd year) . The program was organized to celebrate the social, economic, cultural and political achievements of women worldwide. The event was attended by our principal, HOD, librarian, faculty and students, who showed great enthusiasm and interest in the activities that were

scheduled.

The program started with a warm welcome speech by Omer (2nd year) , who highlighted the importance of gender equality and empowerment of women in society. Following the welcome speech, our HOD Dr.John T Abraham felicitated the women faculty members and students for their achievements and contribution to the institution. This was followed by a women's empowerment class by Dr. Kochurani Joseph (retired HOD economics dept) , who shared her experiences and insights on

how women can overcome various challenges in their lives.

The Principal of our college , Johnson sir also felicitated the women faculty members and students, and shared his views on the importance of gender equality and women's empowerment in building a better society.The program concluded with a vote of thanks by Faiha

who expressed gratitude to all the guests, faculty members, and students for making the event a grand success.

Later in the afternoon, a debate was conducted between the students as two groups on the topic of equality for women in the work environment.

Kochi, Kerala, India
Bharata Mata College, Thrikkakara Old Post Office Rd, Thrikkakara, Edappally, Kochi, Kerala 682021, India
Lat 10.030117°
Long 76.335267°
08/03/23 12:29 PM GMT +05:30

Department Non-Academic activities

Outreach activities

Outreach activity   :Gandhi Square Cleaning
Date and Time   :11/08/2022
Coordinator   :Dr.John T Abraham, Dina Stephan K, Mary Femy P F, Anisha Poly

Number of Students   : 24

As part of independence day celebrations students and faculties of the Computer science department cleaned the Gandhi square at Thrikkakara. Respected municipal councillor V D Suresh inaugurated the effort. With fruitful and active participation of students ,faculties and councillors the area could be cleaned well.

Social Outreach Activity Report

The department of Computer Science of Bharata Mata College conducted a survey among the common people. The purpose of the survey was to know how the common people were aware about the E-District Portal, the online service by the government and to organize a training programme which aims to make people literate about how easily access the services provided by the E-District portal.

The survey was conducted by means of google forms. The survey included the following questions:

· Are you aware of the E-District portal of Kerala Government?

· Have you ever used the E-District portal?

· What is the most convenient way to access the E-District portal

· As per your opinion, what makes it difficult to access e-District portal?

· Select the services that you have received using the e-District Portal.

· Have you ever encountered any problems while using the e-District portal?

· Select the services that you have received using the E-District Portal.

· Do you want to learn how to use the e-District portal?

The Google form received 180 responses. Most respondents between the ages of 15 and 30 used the E-district portal; most of these respondents were students. In contrast, respondents between the ages of 31 and 60 either rarely or never used it; the data collected indicates that these respondents are either unemployed, retired, self-employed, working in the private sector, or employed by the government. Additionally, those between the ages of 15 and 30 do not have a strong preference for using the e-district portal on a personal level. However, those between the ages of 31 and 60 prefer using the e-district portal on a personal level, and those over 60 prefer Akshaya centers.

National Level X'mas Card Competition

Outreach activity :National level X'mas card competition

Date and Time   :31/12/2022

Coordinator   :Dr.John T Abraham, Ms. Anupama Jayan

Number of Students: 30

Brief Report:As part of christmas celebration, A national level christmas card making competition was organized by the Department of Computer Science on Dec 31,2022. Around 30 students from various colleges participated in this programme. The prize distributed to the winners was sponsored by I Net Infotech.It was a successful programme which helps to promote creativity and imagination among students.

Padheyam

Outreach activity :Padheyam

Date and Time : 13/01/23

Coordinator : AICUF & Association of Computer Science, BMC

The Department of Computer Science coordinated with Patheyam, a charitable organisation under AICUF held on the 13th of January 2023, Friday. The program received immense encouragement from the students as well as faculty and other college staff. Over 25+ meals were gathered and provided to the needy in the streets of kochi. The meals were distributed by Rahul visagh H and Omer Al Abdul latheef.

Women in Tech Quiz:

On March 8th 2023 as a part of the Women's day celebrations an online Quiz Competition was conducted for school and college students. The competition was conducted and co-ordinated by ReshmiV (Faculty) and Aleena Thankachan (3rd Year). The competition was conducted online as a form based quiz on the theme "Women's in tech ";. The quiz form link was open from 6 pm to 6:20 pm for all school

and college students. There were 23 participants / students. There were 20 numbers of questions for each participant and each question carries 1 mark for the correct answer. Though some of the questions were very tricky, the participants tried to answer them correctly with confidence.

At the end winners were selected based on the score's they got. Winners are selected at both school and college level. At the school level three students were able to grab the 1st Prize, three students got 2nd Prize and at college level one student got the 1st Prize and two students were declared as the winner of 2nd Prize. All the winners were awarded online certificates as Prizes for their achievement.

WINNER'S:

SCHOOL LEVEL:

First prize:

Hissna .K.S , St.marys' g.h.s chowannur

Sahadiya Nasrin A , Zahra public school chiramanengad

Aadithya Krishna Raj ,Nava Nirman Public School

Second Prize:

Sreesha GHSS Kuttamath

Razal , Nava Nirman Public School

Aadithya Krishna Raj , Nava Nirman Public School

COLLEGE LEVEL:

First Prize:

Omer , Bharata mata college

Second Prize:

Sneha Suresh , Viswabrahmana College

Lakshmy ks , Mercy college

Machine Learning Based Research Paper Writing

Date and Time :23-01-23 & 24-01-23

Coordinators :Dr. John T Abraham, Anisha Poly

Resource Person/s :Ms.Binju Saju

Number of Participants:18

A 2 days programme on "Machine Learning Based Paper Writing" was organized by the Department of Computer Science on 23/01/23 and 24/01/23. Ms.Anisha Poly, Program co-ordinator welcomed the gathering. Ms.Binju Saju was the resource person of the day. The session started at 9.30 am. She explained the practices followed in preparing the Machine Learning research papers. The session was useful to the student. They got an idea on how to prepare a conference paper.

Entry Level Examination

Category	No of Students
Advanced Learners	0
Average Learners	16
Slow Learners	2
Total	18

Bridge course

Date/s of Bridge course:24-10-2022

Teacher In charge   :Alphonsa Sini P.J.

Mentoring Report

The Computer Science department follows the mentoring system initiated by mentoring Cell. The students are grouped and assigned a mentor teacher who is responsible for collecting academic performance and class attendance of individual students. The mentor regularly meets with mentees and is given necessary information regarding his/her mentees and is expected to offer guidance and counselling as and when required. In isolated cases, parents are called for special meetings with the Principal at the suggestion of the mentor. The result of the system has been implemented significant improvement in the teacher-student relationship. The system has been useful in identifying slow learners and advanced learners. The department organizes a remedial class on different subjects within the syllabus for poor/slow learners.

Department Mentor list 2021-22

SI No.	Name of the Mentor	No. Mentees
1	Anisha Poly	8
2	Anupama Jayan	18
3	Alphonsa Sini	20

MOOC Courses Attended details

No	Name of the Student	Platform (SWAYAM, Edu net etc.)	Name of the Course	Duration
1	Abhiram P Ashok	MG University	Organic Farming	120 days
2	Anaswara K U	MG University	Organic Farming	120 days
3	Angelo Seby	MG University	Organic Farming	120 days
4	Anlon James P	MG University	Organic Farming	120 days
5	Aysha Niyala P A	MG University	Organic Farming	120 days
6	Govejith Gopi	MG University	Organic Farming	120 days
7	Jeffin Pappachan	MG University	Organic Farming	120 days
8	Jude Saju	MG University	Organic Farming	120 days
9	Kiran S	MG University	Organic Farming	120 days
10	Layana Binu	MG University	Organic Farming	120 days
11	M R Suryajiyh	MG University	Organic Farming	120 days
12	Neha Anaz	MG University	Organic Farming	120 days
13	Omer Al Abdul Latheef	MG University	Organic Farming	120 days
14	Saliha K H	MG University	Organic Farming	120 days

15	Soju Joji	MG University	Organic Farming	120 days
16	Stalino A J	MG University	Organic Farming	120 days
17	Sudeena Jafer	MG University	Organic Farming	120 days
18	Vijayakrishnan S R	MG University	Organic Farming	120 days

Addon / Certificate courses

Course name   : Flutter

Course coordinator : Ms. Alphonsa Sini

Department Meetings

Departmental meetings occur on a consistent basis and are going to lead to well-informed and more productive employees. A positive department meeting boosts strengthen relationships and to collaborate, work more efficiently with team members, lowers staff stress, and encourages engaging conversations. What's more is that departmental meetings reinforce the mission, vision, and values. The department meeting will be held on or before 10th of every month. HOD/HOD in charge will preside over the meeting. Class in charge presenting the report of each class and taking necessary actions and also maintaining the minutes of the meeting.

Main topics for discussion:

· Students' attendance

· Students' performance in the department activities

· Students' improvements in the examination

· Review of last month's activities

· Plan the activities to be done in this month

SI No.	Date and Time of Meeting	Major Agenda
1	1/06/2022 @4pm	1) MOOC Course Registration 2)Time Table Setting 3)Annual plan preparation
2	10/6/2022 @9.15 am	1)Second internal examination 2) 5th sem project 3) Library book requisition 4) Addon course 5) Project coordination seminar
3	10/8/2022 @ 3.15pm	1) Inauguration and blessing of new CS block 2) Internal Exam for 2nd and 4th sem 3) Independence day and Onam celebration 4) Monthly attendance 5) Extension activity
4	2/9/2022 @ 3.15pm	1) Welcoming of first year students 2) Onam celebration evaluation 3) Time Table change and subject allocation

5	16/9/2022 @ 3.30 pm	1) Department Activities 2) Antiragging awareness program 3) Outreach Program 4) Webinar on Cyber safety awareness
6	15/11/2022 @ 12.30pm	1) Course Plan 2) GDSC event 3) Association Day 4) Election 5) New Teachers joining 6) Thank you note Ms.Dina Stephan K and Ms. Mary Femy PF
7	23/11/2023 @3.30 pm	1) Welcoming of new teachers 2) Orientation program to first year students 3) Activity points 4) Academic activities 5) GDSC and Association faculty co-ordinator selection 6)Election procedure guidance
8	20/12/2022 @3.30pm	1) Second internal exam 2) Course schedule preparation 3) Project presentation of 2020-25 batch 4)X'mas celebration
9	14/2/2022 @3.30pm	1)Syllabus Completion 2)Manager and Principal visit to department 3)Summer Project for 2021-26 batch

Department level Infrastructure

Computers & Peripherals

PCs   :   1
Projectors   :   4
Printers   :   1

Furniture & Fittings

Desk   :   30
Bench   :   30
Tables   :   20
Chairs   :   24
Almirah   :   3
Shelf   :   13

PTA

The Parent-Teacher Association (PTA) gathered each class separately. PTA provides parents and teachers with the opportunity to exchange views, work together with the development of students as well as college. General feedback from parents is sought and elections take place. The Head of the department and all subject teachers represent the college.

Open House Meetings		
Sl No	Class	Date and Time
1	2021-2026 batch	November 2022
2	2022-2027 batch	17-01-22 11.00am to 2.00pm

Student achievements - co curricular / Sports activities

Name of the Student	Class	Achievement
Sreenidhi S	I Int MSc CS	"Participated in """"OH MY GIT """"Hand-on Workshop Conducted by GDSC Bharath Mata college,Thrikkakara"
Muhammed Bilal K S	I Int MSc CS	Runners up in MG University chess competition
Akhil A V	I Int MSc CS	completed internship programme on "Artifical Intelligence" by IBM skillsbulid
Abinand Biju	I Int MSc CS	Completed internship program on Artificial intelligence by IBM skillsbuild
Anupama Gireesh	I Int MSc CS	Participated in ""OH MY GIT ""Hand-on Workshop Conducted by GDSC
Faiha Fathima M.R.	I Int MSc CS	Completed Internship Programme on 'Artificial Intelligence' by IBM Skillsbuild

Faiha Fathima M.R.	I Int MSc CS	Participated in 'Sasthrayan 2023' organized by CUSAT
Faiha Fathima M.R.	I Int MSc CS	Participated in 'Compose Camp' organized by GDSC BMC.
Faiha Fathima M.R.	I Int MSc CS	Participated in a bootcamp on PYTHON conducted by DevTown.
Diya Dinesh	I Int MSc CS	Participated in"OH MY GIT" hand on workshop conducted by GDSC bmc
Vijayakrishnan	II Int MSc CS	Resource person for Git & GitHub at Saravana College Coimbatore
Vijayakrishnan	II Int MSc CS	Volunteering Lead of NextLevel Gaming Program by Facebook & Trinity Gaming
Vijayakrishnan	II Int MSc CS	Attended KochiFOSS 2022
Jeffin Pappachan	II Int MSc CS	Presented paper in a conference held at St. Alberts College, Ernakulam
Jeffin Pappachan	II Int MSc CS	Participated in KOMBATTS2K23 Conducted by Kochi Business School
Layana Binu	II Int MSc CS	Participated in Tink-Her-Hack hackathon conducted by Tinkerhub
Layana Binu	II Int MSc CS	Completed "Google Analytics For Begginers" by Google Analytics Academy
Layana Binu	II Int MSc CS	Participated in KochiFOSS Conference 2.0 conducted FOSS United community
Layana Binu	II Int MSc CS	Participated in "2 day workshop on Python and Django" conducted by IIT Bombay
Sudeena Jafer	II Int MSc CS	Participated in Tink-Her-Hack ,hackathon conducted by Tinker Hub
Sudeena Jafer	II Int MSc CS	Participated in "OH MY GIT "Hand-on Workshop Conducted by GDSC Bharath Mata college,Thrikkakara
Jude Saju	II Int MSc CS	Completed Postman API Fundamentals Student Expert Program by Postman
Jude Saju	II Int MSc CS	Participated in Python and Computer Vision 7 days bootcamp conducted by Devtown

Jude Saju	II Int MSc CS	Participated in KochiFOSS Conference 2.0 conducted FOSS United community
Jude Saju	II Int MSc CS	Participated in "OH MY GIT "Hand-on Workshop Conducted by GDSC Bharath Mata college,Thrikkakara
Jude Saju	II Int MSc CS	Volunteering Lead of NextLevel Gaming Program by Facebook & Trinity Gaming
Jude Saju	II Int MSc CS	Attended DigiSkills Sync Kochi for Designers Meet
M R Suryajith	II Int MSc CS	completed "Google Analytics for Beginners", Conducted by Google Analytics Academy
M R Suryajith	II Int MSc CS	Completed "How to collaborate Effectively If Your Team Is Remote",Conducted by IBM
Abhiram P Ashok	II Int MSc CS	Completed "Google Analytics for Beginners", Conducted by Google Analytics Academy
Abhiram P Ashok	II Int MSc CS	Participated in Python and Computer Vision 7 days bootcamp conducted by Devtown
Abhiram P Ashok	II Int MSc CS	Participated in KochiFOSS Conference 2.0 conducted FOSS United community
Abhiram P Ashok	II Int MSc CS	Participated in "OH MY GIT "Hand-on Workshop Conducted by GDSC Bharath Mata college,Thrikkakara
Stalino A J	II Int MSc CS	Participated in Python and Computer Vision 7 days bootcamp conducted by Devtown
Stalino A J	II Int MSc CS	Participated in KochiFOSS Conference 2.0 conducted FOSS United community
Stalino A J	II Int MSc CS	Participated in ""OH MY GIT ""Hand-on Workshop Conducted by GDSC Bharath Mata college,Thrikkakara
Stalino A J	II Int MSc CS	Attended DigiSkills Sync Kochi for Designers Meet
Stalino A J	II Int MSc CS	Volunteering Lead of NextLevel Gaming Program by Facebook & Trinity Gaming
Soju Joji	II Int MSc CS	Completed Tata virtual experience training on Data Visualization
Soju Joji	II Int MSc CS	Completed Infosys Power Programmer virtual experience program

Soju Joji	II Int MSc CS	Completed Data Analytics virtual Experience of Accenture
Soju Joji	II Int MSc CS	Participated in a photography competition conducted by a college under mumbai university and secured IIIrd prize for the same.
Soju Joji	II Int MSc CS	Participated in the Data Science & ML Bootcamp of Coding Ninjas
Soju Joji	II Int MSc CS	Completed Cybersecurity Fundamentals by IBM skillsbuild for students and Educators.
Soju Joji	II Int MSc CS	Completed a course "Data visualization with R , provided by IBM
Soju Joji	II Int MSc CS	Completed Postman API Fundamentals Student Expert.
Soju Joji	II Int MSc CS	Completed Developer Program virtual Experience of Accenture
Soju Joji	II Int MSc CS	Completed 7 days bootcamp on hotstar clone making using html, css and bootstrap by Devtown
Soju Joji	II Int MSc CS	Volunteering Lead of NextLevel Gaming Program by Facebook & Trinity Gaming
Angelo Seby	II Int MSc CS	Resource person for Git & GitHub at Saravana College Coimbatore
Angelo Seby	II Int MSc CS	Presented paper in a conference held at St. Alberts College, Ernakulam
Angelo Seby	II Int MSc CS	Founder lead of Google Developer Student Clubs, BMC Chapter
Angelo Seby	II Int MSc CS	Data Analytics Virtual Experience Program
Angelo Seby	II Int MSc CS	Infosys Power Programmer
Angelo Seby	II Int MSc CS	HackerRank Python Basic Test
Angelo Seby	II Int MSc CS	HackerRank Problem Solving Basic
Angelo Seby	II Int MSc CS	Accenture Developer Program

Angelo Seby	II Int MSc CS	Completed Postman API Fundamentals Student Expert.
Angelo Seby	II Int MSc CS	Volunteering Lead of NextLevel Gaming Program by Facebook & Trinity Gaming
Angelo Seby	II Int MSc CS	Attended International Conference on 'Finance & Technology'
Angelo Seby	II Int MSc CS	Resource person for Git & GitHub at BMC
Angelo Seby	II Int MSc CS	Attended DigiSkills Sync Kochi for Designers Meet
Angelo Seby	II Int MSc CS	Attended KochiFOSS 2022
Angelo Seby	II Int MSc CS	Attended Flutter Workshop in GDG DevFest Kochi
Angelo Seby	II Int MSc CS	Attended Road2Succes career talk by GDSC MBCET
Anaswara K U	II Int MSc CS	Participated in Tink -Her-Hack , hackathon conducted by Tinker Hub
Anaswara K U	II Int MSc CS	Participated in ""OH MY GIT ""Hand-on Workshop Conducted by GDSC Bharath Mata college,Thrikkakara
Rahul visagh H	III Int MSc CS	Completed Digital productivity course by unisef
Rahul visagh H	III Int MSc CS	Completed Cybersecurity Fundamentals by IBM skillsbuild for students and Educators
Rahul visagh H	III Int MSc CS	Participated a bootcamp on Java script and react.js conducted by devtown
Rahul visagh H	III Int MSc CS	Secured Third Price on National level Christmas card making competition conducted by IMSC CS BM College Thrikakara
Rahul visagh H	III Int MSc CS	Participated in Say yes to life no to Drugs Conducted by Narcotics and control bureau
Aleena Thankachan	III Int MSc CS	Participated in Techmaghi online workshop on autocad conducted in coordination with IIT kharakhpur
Saniyya Ravuthar	III Int MSc CS	Participated in MG university kalolsavam for OPPANA and won 3rd prize

Faculty Attended Programmes

FDPs/ STTPs/Workshops/Seminars / Conference/ Webinar

Total Number of FDPs/ STTPs   :4

Total Number of Seminars / Conference :3

Name of faculty	Name of Programme	Date/s	Conducting Agency	FDPs/ STTPs/ Workshops/ Seminars / Webinar
Dr John T Abraham	International Seminar on Finance and Technology	2022 Oct 25,26	Bharata Mata College,DSS MG university	Seminar
Dr John T Abraham	Three Days National Seminar on Sustainable Business Model Innovation and Management Practices:Priorities and Perspectives	2022 Dec 7-9	Bharata Mata College,DCDC MG university	Seminar
Dr John T Abraham	Multidisciplinary International Conference on Covid 19-Science,Politics and Philiosphy,A reflective retrospection	2022 Oct 12-14	MSM College Kayamkulam,KSHEC	Conference
Dr John T Abraham	One week Virtual FDP on "Emerging Research Trends in Computing Technologies"	2022 Nov 28-Dec 2	Dr MGR University Chennai	FDP
Dr John T Abraham	FDP on Impact of AI	7th Nov-11th Nov 2022	Dr SNS Rajalakshmi College Coimbatore	FDP
Anisha Poly	FDP on Data Science and Machine Learning-Academic and research perspectives	17-23rd of Nov,2022	New Horizon College of Engineering Bangalore	FDP
Anisha Poly	"End-to-End Data Science Product Development	5-9 of Dec,2022	NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL	STTP

Resource Person in Seminars

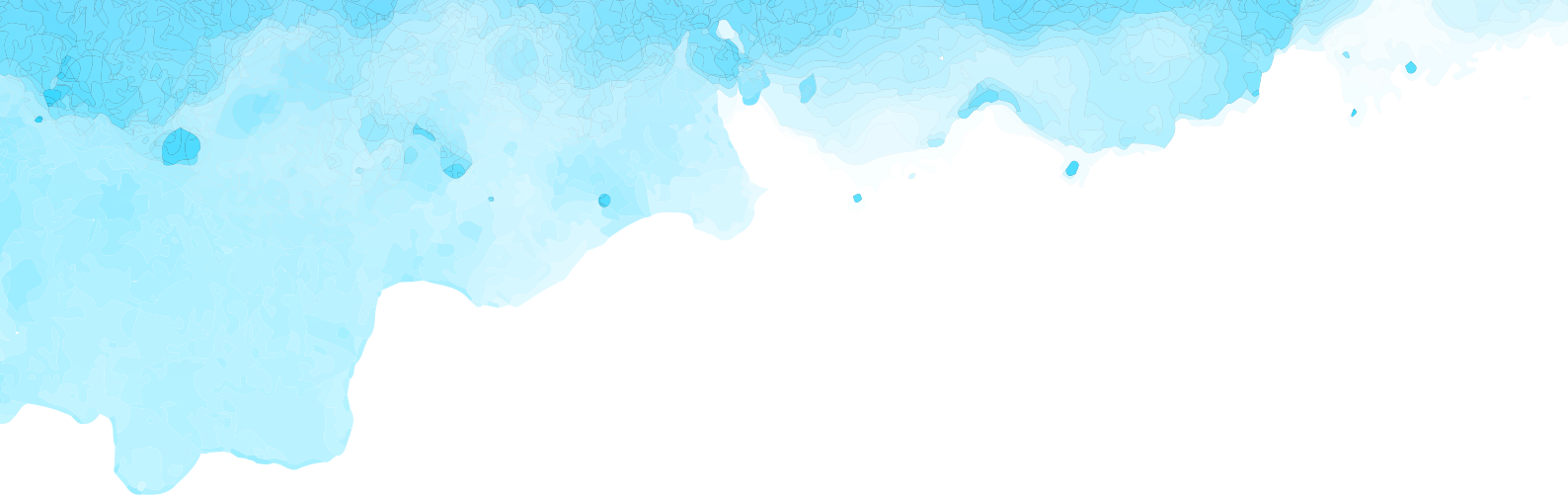| Name of the Faculty	Type of Program Attended (FDPs/ STTPs/ Workshops/ Seminars/ Conference/ Webinar)	Date/ Dates of Program	Title of the Program	Institution or agency organized the Program
Dr John T Abraham	Seminar	10th Nov 2022	BIRDS on Science Day	Bell Institute of Research & Development Studies, Kochi

Research Contributions

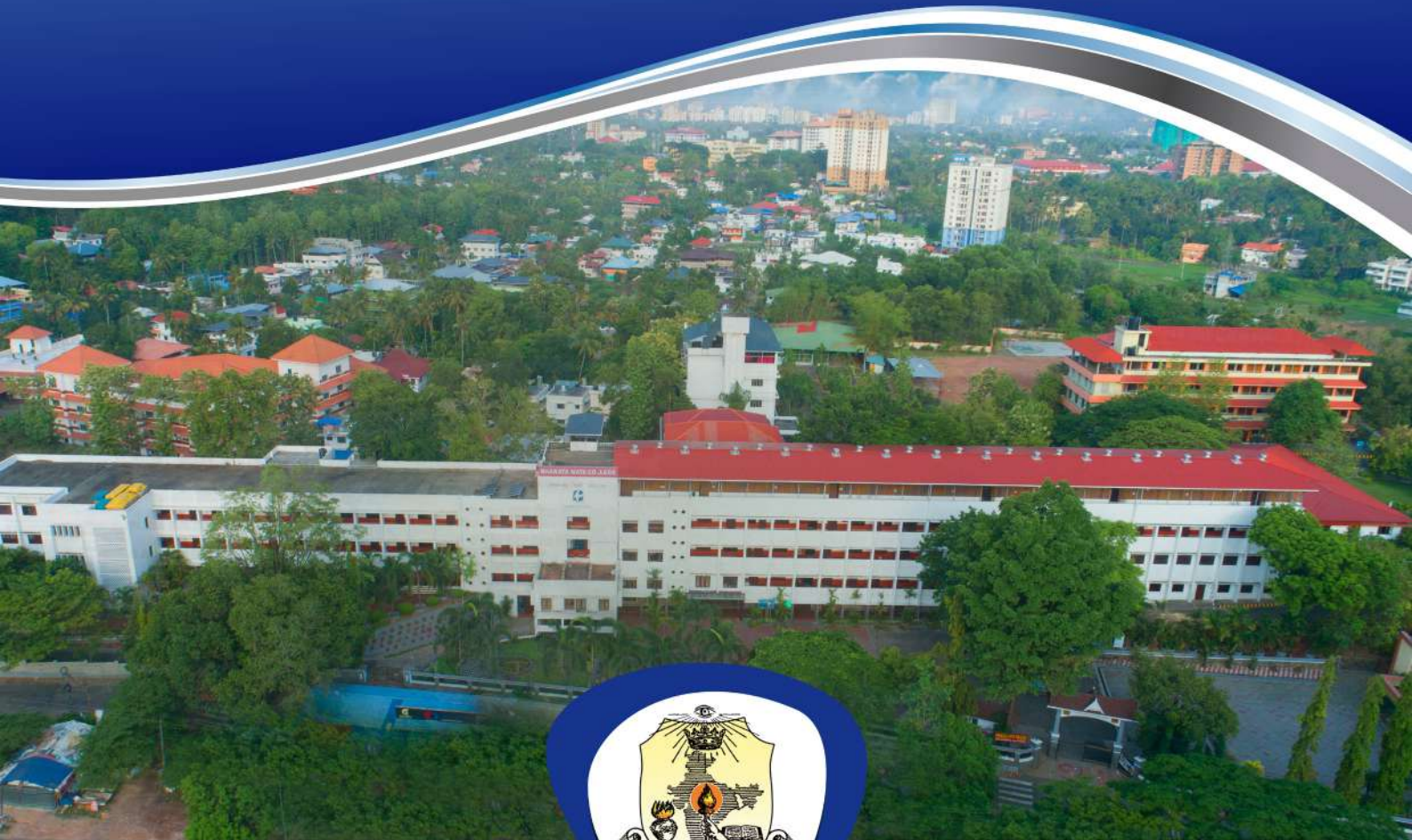| Publications – Faculty					
Name of the Faculty	Type of Publication	Listing of the publication	Title of the Paper or Book Chapter	Journal Name or Publisher Name	ISSN or ISBN Number
Dr John T Abraham	Research Publication	UGC Care List 1	Impact of Covid 19 on Marketing and Online Payment System	South India Journal of Social Sciences	0972-8945
Dr John T Abraham	Research Publication	UGC Care List 1	An Analytical Study of Customer Satisfaction and Product Quality on Online Shopping Services	Shodhasamhita,Journal of Fundamental and Comaparative Research	2277-7067
Dr John T Abraham	Research Publication	Scopus	Analysis on the effects of Covid in the Food delivery Sector through online in Kerala	Journal of Xi'an University of Architecture and Technology	1006-7930

Teaching Learning Innovative practices in the department:

Teaching and learning innovative practices are introduced to raise the curiosity of a student. The following innovative practices are undertaken by the faculty members of Computer Science department for improving teaching and learning experience

Innovative Practices	Outcome
Lecture method	Hands on experience, Peer-to- peer Learning Experiential learning, Collaborative Learning
Audio-Visual presentations through LCD and Virtual classrooms	Aware students with the latest relevant technologies in different computing fields.
Interdisciplinary Lectures	Aware students with the latest relevant technologies in different computing fields.
Major/Mini Projects	Prepare students to develop live projects on their own.
Student Seminars	Motivating students for self-Study and Group Study.
Course Assignments	Encourage student collaboration through supplement learning
Communication Skills	Improve the presentation and speaking skills in group discussion as well as in interviews faced.
Seminars/ Webinars/ workshops	Engages students by using real-world challenges, problems, and scenarios to evoke critical thinking, problem-solving, collaboration, and self-management
Online Tutorial	Enhance the overall comprehension of students in a more dynamic way
Virtual Lab	Exposure of Programming & Lab practices Promote self-learning and to share knowledge among students NPTEL Lectures
Any Such Innovative techniques you feel to add in can be included	

BHARATA MATA COLLEGE

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The WEEK – Hansa Survey-2023 Best Colleges of India Ranking 2nd in the State.
ISO 9001-2015 Certified

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