

Action Plan 2021-2022

Department of Chemistry

June	Department staff meeting and work distribution World Environment Day observation- Training in making Umbrella Model Practical exam Welcome to I DC students University practical exam for IV Sem students
July	Fresher's day Video conferencing Association inauguration - National Seminar Carmel day Celebration Department staff meeting Quiz competition
August	PTA meeting of the Department Ist Internal Exam Dept. staff meeting Training in Soap making Departmental Onam celebration Outreach programme Linkage programme
September	Ozone Day observation -Seminar II Internal Exams Inter collegiate power point presentation Study tour and Field Trip House visit
October	Factory visit Video conferencing Training in extraction of essential oil Computer awareness programme
November	Celebration of Kerala Piravi National science day observation Project work by V Sem

Princy K.G.

Dr. PRINCY K.G.
ASSOCIATE PROFESSOR & HEAD
DEPT. OF CHEMISTRY
CARMEL COLLEGE, MALA



December	<p>Christmas Celebrations Linkage Programme with Karuna Bhavan</p>
January	<p>Alumnae meet New Year celebration Preparation of stock list in the lab Training on making detergents Remedial Coaching Dept staff meeting Energy conservation week observation</p>
February	<p>ENCON club activities Dept PTA meeting Internal Exam For VI Sem Dept staff meeting Farewell for VI Sem B.Sc. Chemistry and IV Sem. M.Sc. Chemistry</p>
March	<p>Internal exam for II & IV Sem World Water Day observation Awareness on rainwater Harvesting Dept staff meeting</p>



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 CARMEL COLLEGE, MALA

CARMEL COLLEGE MALA



TEACHERS DIARY

20.....20.....

TEACHER'S DIARY

PERSONAL INFORMATION

NAME :

QUALIFICATION :

ACADEMIC :

OTHER :

DESIGNATION :

DEPARTMENT :

AREA OF SPECIALIZATION :

HONOURS CONFERRED :

RESIDENTIAL ADDRESS :

Phone No :

E -Mail :

Statement of Work

Day	Month	Date	Period	Classes engaged	Subject/Topic discussed	Remarks
Monday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities			Time			
Tuesday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities			Time			
Wednesday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities			Time			
Thursday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities			Time			
Friday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities						

Signature of Faculty

Statement of Work

Day	Month	Date	Period	Classes engaged	Subject/Topic discussed	Remarks
Monday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities			Time			
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			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities			Time			
Wednesday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities			Time			
Thursday			1			
			2			
			3			
			4			
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			5			
Special Class/Remedial Class/ Club Activities			Time			
Friday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities						

Signature of Faculty

TUTOR OF(CLASS)

SI. No.	Name of the student	Class

DETAILS OF LEAVE TAKEN

Date	Day	Nature of Leave	Total Leave Taken so far

MEETING ATTENDED

(Staff Meeting,P.T.A. Meeting ,Committee etc.)

Date	Nature of Meeting	Purpose	Duration

SEMINARS/WORKSHOPS ATTENDED

Date	Resource	Venue	Topic

VALUATION OF ANSWER SCRIPT

University Level				College Level		
Name of exam	Subject	No.of Answer Script	Nature of Examinership	Name of Exam.	Subject/ Duration	No.of Papers

Carmel College, Mala

SELF APPRAISAL

Session /Year

PART A: GENERAL INFORMATION

1.	Name of College/ University	
2.	Name of Incumbent (In Block Letters)	
3	Name of Father / Mother	
4.	Sex	
5.	Date of Birth	
6.	Nationality	
7.	Current designation	
8.	Department	
9.	Date of entry to service	
10.	Date of last promotion if any	
11.	Date of eligibility for promotion	
12.	Address for correspondence (with Pin code)	
13.	Telephone No:	
14.	Email	

Academic Staff College Orientation/Refresher Course attended:

Name of the Course /Summer School	Venue	Duration (From - To)	Sponsoring Agency

PART B:

1. TEACHING

Sl. No	Course/Paper	Level	Mode of teaching*	No. of classes per Week allotted	No. of classes conducted per Week	% of Classes/ Pract. Taken
Odd semester						
TOTAL						
Even semester						
TOTAL						

(Classes taught includes sessions on tutorials, lab and other teaching related activities)

*Lecture (L), Seminar (S), Tutorial (T), Practical (P), Contact Hours (C)

2. INVOLVEMENT IN THE UNIVERSITY/COLLEGE STUDENTS RELATED ACTIVITIES/ RESEARCH ACTIVITIES:

(2. a) Administrative responsibilities such as Head, Chairperson/ Dean/ Director/ Co-ordinator, Warden etc.

Sl. No	Type of Responsibility/Duty	Role Performed
Total number of activities Involved		

(2. b) Examination and evaluation duties assigned by the college / university or attending the examination paper evaluation.

Sl. No	Type of Responsibility/Duty	Role Performed
Total number of activities Involved		

(2. c) Student related co-curricular, extension and field-based activities such as student clubs, career counselling, study visits, student seminars and other events, cultural, sports, NCC, NSS and community services.

Sl. No	Type of Responsibility/Duty	Role Performed
Total number of activities Involved		

(2. d) Organising seminars/ conferences/ workshops, other college/university activities.

Sl. No	Type of Responsibility/Duty	Role Performed
Total number of activities Involved		

(2. e) Evidence of actively involved in guiding Ph.D. students.

Sl. No	Name of Student	Date of Registration	U.O granting Registration
Total number of students			

(2. f) Conducting minor or major research project sponsored by national or international agencies.

Sl. No	Name of the project	Funding Agency	Amount sanctioned/utilized
Total number of projects			

(2. g) Publication in peer- reviewed or UGC list of Journals

Sl. No.	Title with page Nos.	Journal	ISSN/ISBN No	Peer reviewed/ UGC listed	No. of Co-authors	Whether you are the main Author
Total number of publications						

Name and Signature of Faculty

Name and Signature of HOD

Name and Signature of IQAC Co-ordinator

Name and Signature of Principal

IV. Experience Details

Sections handled so far	Name of the institution	Duration

V. Any other information

Signature of Staff

Signature of Superintendent

Signature of Principal



CARMEL COLLEGE, MALA

Policy Documents



CONTENTS

1. ACADEMIC POLICY	3
2. ADMINISTRATION POLICY.....	6
3. STUDENT SUPPORT AND ACTIVITIES POLICY	9
4. DIFFERENTLY ABLED- FRIENDLY POLICY.....	13
5. ANTI-RAGGING POLICY.....	14
6. ICC POLICY.....	16
7. GRIEVANCE REDRESSAL POLICY.....	18
8. MENTORING POLICY	20
9. ENVIRONMENT AND SUSTAINABILITY POLICY.....	22
10. GENDER SENSITIZATION POLICY.....	24
11. RESEARCH POLICY.....	26
12. ALUMNAE POLICY.....	28

1. ACADEMIC POLICY

A ceaseless drive to impart quality education by ensuring a conducive learning and research environment has always been the impetus behind every academic endeavour of the college. Meticulous and well-crafted measures are undertaken to plan, implement, evaluate, and refine the policy, procedures and practices that pertain to the institution's vision on education. Under this policy, the institution shall,

1. Entrust the preparation of an academic calendar by the Academic Calendar Committee in concurrence with the academic schedule issued by the affiliating University and avail the same to staff and students in the college handbook
2. Ascertain the submission of the Action Plan for the academic year by each department to the IQAC
3. Ensure that each department complies with the requirements of the policy and that the Heads of the departments duly allocate the syllabus and workload to faculty as per their preference and expertise before the commencement of a semester
4. Ensure the preparation and submission of teaching plan and Teacher's Diary by the faculty to the IQAC within the stipulated time
5. Assure curriculum enrichment through introducing certificate and value-added courses, add-on courses and the like
6. Entrust each class with a tutor and each student with a mentor to assist and monitor the academic and personal growth of students
7. Advocate and implement student-centric and innovative teaching-learning methods supplemented by ICT to engender the effectual transfer and creation of knowledge
8. Appraise the academic performance of students through internal examinations, attendance/classroom performance, seminar presentations/viva voce, assignments for each course as mandated in the curriculum

9. Ensure consistent care and remedial coaching to the slow learners in academics
10. Implement learner-centric government initiatives like SSP, WWS, ASAP, scholarships, and e-grants for students
11. Ascertain the systematic and smooth conduct of the internal and the end-semester University examinations by the Examination Committee
12. Ensure timely and transparent assessment of answer scripts and publication of consolidated internal examination mark list on the notice board of departments
13. Ensure prompt redressal of genuine grievances raised by students on matters related to curriculum delivery, assessment and feedback or requirements of physical resources to carry out learning
14. Arrange compensatory classes for unforeseen loss of working days to ensure the timely completion of the curriculum
15. Encourage seminars, workshops, training sessions, field visits and collaborative engagements with reputed institutions/industries/firms that will secure practical and experiential knowledge for learners
16. Promote faculty-student exchange programmes
17. Ensure the conduct of general PTA meetings and department/class PTA meetings
18. Ensure periodic evaluation of the progress in curriculum delivery at the faculty and department level
19. Administer an exhaustive evaluation of curriculum delivery by each department through the IQAC and Academic Coordinators
20. Conduct annual internal and external Academic Audit of each department monitored by the IQAC and an external panel of experts respectively
21. Entrust each faculty and department to collect feedback from students on the effectiveness of teaching methodology and the general functioning of the department
22. Collect, codify, and assess the feedback collected from all stakeholders on various parameters through the IQAC and undertake measures for necessary amendments and improvements

23. Conduct Student Satisfaction Survey through the IQAC
24. Communicate suggestions for improvements in curriculum, based on stakeholders' feedback, to the Board of Studies of the University through the faculty of the institution representing the Body

3. STUDENT SUPPORT AND ACTIVITIES POLICY

Students are the prime stakeholders and beneficiaries of all educational institutions. Grooming a committed and erudite learner community adept in channelling their knowledge and skills for the larger benefit of society and nation is therefore significant.

With this objective at the forefront, the institution promotes and secures ample resourceful avenues for students of diversity to engage in superior learning and self-growth. Under this policy, the institution shall,

1. Implement measures to safeguard the rights, dignity, and privileges of the student community
2. Ensure that discrimination, verbal or behavioural, on grounds of difference in caste, religion, colour, nationality, gender, sexual orientation, and social status is not tolerated
3. Adapt and practice student-centric, ICT enabled, collaborative and experiential teaching-learning pedagogy
4. Assure effectual communication between students and facilitators through formally instituted systems such as student advisor, tutorial and mentoring and student-friendly initiatives like 'Meet with the Principal', and Suggestion Box
5. Ensure decentralization and active representation of students in academic/decision-making bodies such as College Union, IQAC etc.
6. Promote participation in various academic, career-oriented and skill development programmes and coaching classes on PSC, Bank, Civil Service, and NET organized by the institution at subsidized/ free of cost
7. Extend the benefit of scholarships and freeships issued by the Central/State government or other funding agencies to deserving students
8. Award scholarships and endowments instituted by the Management and benefactors of the institution to worthy candidates

9. Upgrade and maintain infrastructural facilities and other amenities to promote study, leisure, and active involvement in co-curricular and extracurricular activities
10. Ascertain fair and transparent conduct of examinations and timely assessment monitored by the Examination Committee
11. Ensure provision for special coaching and remedial classes for the needy and slow-learners to stimulate improved learning
12. Implement learner-centric government initiatives like SSP, WWS and ASAP to the benefit of aspiring students
13. Acknowledge outstanding student achievements in academics, arts, and sports pursuits in the formal gatherings
14. Promote the quest for knowledge and drive for excellence by rewarding Best Outgoing Student, Best Dissertation, Best Library User and Semester Wise Topper in Academics
15. Promote the research acumen of students through the conduct of quality seminars/webinars and workshops and encourage paper presentations and publications
16. Provide exposure to governmental/non-governmental organizations, media houses and industries and support research collaborations with recognized institutes/industries/NGOs
17. Endeavour to foster the scientific temper of students through the publication of their original research papers in Carmel Bloom – Journal of Multidisciplinary Research published by the college
18. Arrange hostel facility for students from distant places, particularly, overseas students
19. Ensure provision to avail travel concession
20. Secure safety measures including security guards, fire safety system, CC TV cameras, identity verification mechanism, register of visitors, helpline numbers
21. Extend free hostel facility, sports kit and freeships to sports students
22. Provide medical assistance, as first-aid, sick room, nearby hospital facilities to the needy and free medical camps
23. Extend the benefit of the 'Smart Campus' initiative

24. Ensure active functioning of student- support bodies like Anti-Ragging Cell, ICC, and Grievance Redressal Cell and treat any cases of violation/harassment/grievance brought to the notice of authority with the utmost solemnity
25. Encourage active student enrollment and participation in sports, NSS, NCC, AICUF, other Clubs/Forums
26. Encourage the conduct of events and programmes undertaken by the College Union, Department Associations, Clubs and Forums that are recreational, educative and community-centred.
27. Encourage student participation in various events and competitions, fests organized within and outside the institution
28. Accord sanction to the departments to raise financial resources to assist a needy/sick student or family in a dire situation
29. Endorse inclusivity and maintain a barrier-free, differently-abled friendly campus
30. Encourage faculty@home initiative to foster a cordial and enhanced teacher-student relationship
31. Provide counselling, value education, sessions on ethical living and other rejuvenating programmes for the personality enrichment of students
32. Promote student's engagements with the community through extension/outreach programmes
33. Provide yoga and relaxation therapy and self-defence classes under the aegis of various units and clubs
34. Extend platforms for conducting career guidance class and campus drive under the auspices of Career Guidance and Placement Cell
35. Ensure easy access to the well-stocked, fully automated library and free internet facility to students

36. Promote the artistic and creative flair of students through the annual publication of Carmel Glow and other hand-written student's magazines
37. Organize Life Guidance programme, annually, for all outgoing students
38. Extend the benefit of Carmel Extension Center for Women and ED club to hone the entrepreneurial skills of students
39. Comply with the regulations of UGC for the conduct of study tours/excursions to ensure the safety of students
40. Collect students' feedback and satisfaction survey on the effectiveness of the institution's academic and administrative policies and practices, and implement necessary reforms wherever required

8. MENTORING POLICY

Mentoring forms an integral part of how educators engage in a constructive and purposeful relationship with the students to assure their holistic development. The institution foregrounds the need to assist each student in personal and academic growth and to soothe the individual into emotional resilience and self-sufficiency through a well-crafted mentor-mentee system. Under this policy, the Institution shall,

1. Orient the full-time faculty turned mentors on the purpose and process of effective mentoring to equip them with the requisite skills and resources
2. Entrust a mentor with a maximum of 16 -20 mentees based on the student strength at the time, to guide during the span of their study in the college
3. Ensure that the mentors comply with the procedure of mentoring policy in all honesty
4. Ensure that the mentor invests time and effort to engage in proactive communication and render informed guidance/advice for the personal and academic progress of mentees
5. Monitor the regularity of meetings and follow-ups by mentors with mentees and the mentor's diary maintained
6. Ensure that the confidentiality of communication between mentor-mentee is maintained
7. Affirm that mentors maintain non-judgmental relationships and sustain the role of trusted advisor to the mentee
8. Treat any violation of confidentiality with stringent action
9. Address and redress issues raised on the lack or inconsistency of support from the part of the mentor, if any, brought to the attention of the Tutor/Head or Principal with immediacy

10. Ensure that the issues raised by the mentees beyond the obligation of mentor to advice/guide on are brought to the immediate knowledge of authority concerned to ensure the proper channels of assistance and counselling.

CARMEL COLLEGE

MALA

ACADEMIC AUDIT

2021-2022

SELF STUDY REPORT

NAME OF DEPARTMENT: MATHEMATICS

The department is requested to submit a Self-Study Report (SSR) of its performance during the academic year 2021- '22 in the following format, for the purpose of department grading. The grading aims to encourage self-evaluation, accountability, research and innovation in teaching and learning. It will also help to create healthy competition in curricular and extracurricular activities among departments. The Departments shall enter the necessary data in this format itself. **All claims must be supported by documentary evidence. HoDs and Department IQAC coordinators should verify the details before submitting the SSR. The documents submitted should be duly signed by the Head of the Department.**

EXTENDED PROFILE

DEPARTMENT : **MATHEMATICS**

YEAR OF ESTABLISHMENT : **1984**

DEPARTMENT STATUS (SELF-FINANCING/AIDED) : **AIDED**

HEAD OF THE DEPARTMENT : **Dr. JISMY JOSEPH**

DESIGNATION : **ASSISTANT PROFESSOR**

EMAIL ID : **jismy@carmelcollegemala.ac.in**

ALTERNATE EMAIL ID, IF ANY : **maths@carmelcollegemala.ac.in**

CONTACT INFO : **8129124785**

DEPARTMENT EMAIL ID : **maths.carmel@gmail.com**

DEPARTMENT IQAC COORDINATOR : **MEENU JOSE**

EMAIL ID : **meenu@carmelcollegemala.ac.in**

CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1 Does the department have a mechanism for well-planned curriculum delivery and documentation? YES

- ❖ (Documents required: Action Plan, Time table, workload, Teaching Plan, Teacher's Diary)

1.1.2 Certificate/ Diploma Courses/Add-on/value-added course introduced during the Academic year by the department : NIL

Name of Course	Certificate/Diploma/Add-on/value-added Course, Specify	Date of Introduction and Duration	No. of Students Enrolled	No. of students passing the course

- ❖ (Documents required: Letter of sanctioning, syllabus, timetable, students list, attendance list, Question paper, audited statement if the course is funded)

1.1.3 Does the department provide bridge courses? Yes

Sl.No:	Name of the course	Course code	No. of students participating
1	Mathematics - BSc Mathematics	BCMATM01	20
2	Statistics-BSc Mathematics		20
3	Mathematics- Complementary	BCMATC01	21+18
4	Mathematics-MSc Maths		12

- ❖ (Documents required: Syllabus, timetable, workload, question paper, mark list with student signature)

1.1.4 Faculty representation in Academic Bodies/BoS/curriculum design/Examiner/QP Setter

Sl.No.	Name of faculty	Name of body in which the faculty participated	Responsibility undertaken	Dates/Duration
1	Riya Jose	Calicut University	Additional Examiner for V Sem Valuation	16,17 July 2021
2	Riya Jose	Calicut University	Additional Examiner for VI Sem Valuation	22-24 July 2021
3	Rachel Paul	Calicut University	Additional Examiner for VI Sem Valuation	22-24 July 2021
4	Rachel Paul	Calicut University	Additional Examiner for V Sem Valuation	16- 19 July 2021
5	Riya Jose	Calicut University	Additional Examiner for II Sem Valuation	28,29 October 2021
6	Riya Jose	Calicut University	Additional Examiner for IV Sem Valuation	25, 28 October 2022
7	Riya Jose	Calicut University	Additional Examiner for III Sem Valuation	17, 18 January 2022
8	Riya Jose	Calicut University	Additional Examiner for V Sem Valuation	12 April 2022
9	Riya Jose	Calicut University	Additional Examiner for VI Sem Valuation	24-25 May 2022
10	Rachel Paul	Calicut University	Additional Examiner for IV Sem Valuation	25, 28 October 2022
11	Rachel Paul	Calicut University	Additional Examiner for III Sem Valuation	17, 18 January 2022
12	Rachel Paul	Calicut University	External for Sem VI Viva Voice for KKTM Pullut	12,13,14 July 2021
13	Rachel Paul	Calicut University	Additional Examiner for I Sem Valuation	12 April 2022

14	Rachel Paul	Calicut University	External for Sem VI Viva Voice for SH Chalaky	28 April 2022
15	Rachel Paul	Calicut University	Additional Examiner for V Sem Valuation	16,17,18 May 2021
16	Rachel Paul	Calicut University	Additional Examiner for II Sem Valuation	28,29 October 2021

- ❖ (Documents required: Nomination letter of affiliating university indicating membership in BoS/Academic council, appointment letter from affiliating university/concerned authority indicating faculty involvement as QP setter/examiner, relevant document showing faculty participation in design of curriculum, duty leave etc)

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
CBCSS B.Sc Mathematics	2019	MTS5B06 Basic Analysis	June 2021
CBCSS B.Sc Mathematics	2019	MTS5B07 Numerical Analysis	June 2021
CBCSS B.Sc Mathematics	2019	MTS5B08 Linear Programming	June 2021
CBCSS B.Sc Mathematics	2019	MTS5B09 Introduction to Geometry and Theory of Equations	June 2021
CBCSS B.Sc Mathematics	2019	MTS6B10 Real Analysis	November 2021
CBCSS B.Sc Mathematics	2019	MTS6B11 Complex Analysis	November 2021
CBCSS B.Sc Mathematics	2019	MTS6B12 Calculus of Multi variable	November 2021
CBCSS B.Sc Mathematics	2019	MTS6B13 Differential Equations	November 2021

❖ (Documents required: Letter of sanctioning, syllabus, model question paper)

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective course system is implemented at the affiliated Colleges (if applicable) during the Academic year.

Name of programmes	Year of implementation of CBCS	Name of the elective courses	Course code	Course Name	Year of introduction
CBCSS B.Sc Mathematics	2019	Graph Theory	MTS6B14(E01)		2021

1.3 Curriculum Enrichment

1.3.1 Projects works/field visits/ Internships undertaken during the year

Programme name and code	Specify the course name and code that include experiential learning through Projects works/field visits/ Internships	Name of activity (Projects works/field visits/ Internships)	Name of the institution/ industry where the activity is undertaken	No. of students enrolled
B.Sc Mathematics	MTS6P15(PR)	Project Work	Carmel College Mala	18
M.Sc Mathematics	MTH4P01 Project	Project Work	Carmel College Mala	12

- ❖ (Documents required: List of student projects with topic and teacher-in charge, certified first page of project/dissertation, List of students undertaking field projects/internships, completion certificate of internship, detailed report mentioning the objectives and outcomes with sample photographs of the field visit/permission letter from competent authority/email correspondence, if any, MoU)

1.4 Feedback System

1.4.1 Does the department obtain structured feedback from students on the following parameters?

- A) Curriculum Yes/no : yes
- B) Quality performance of teachers Yes/No :Yes
- C) Overall functioning of the department? Yes/No : Yes

1.4.2 Feedback obtained is analysed and utilized for overall development of the department. (Explain in maximum of 200 words)

Feedback on curriculum, quality performance of teachers and overall functioning of the department is collected from students by circulating the Feedback Forms. The data is compiled and analysed in the department meeting and suggestions and trends and

feasibility of implementing the suggestions in the feedback are discussed. The data and analysis report are handed over to the IQAC. More activities are planned for better results and holistic development.

- ❖ (Documents required: Format of Feedback Form, sample feedback by a student– Consolidated analysis of the feedback and action taken report, Scanned copy of department meeting minutes in which the same is notified)

NOTE:

- A) The documents mentioned under each metrics should be submitted as **Annexure I**. Each document should be numbered as per the metrics for ease of identification (e.g., 1.1.1a, 1.1.1b)
- B) Two photographs, of which one is geotagged, should be attached wherever it is asked for submission.

CRITERIA II

Teaching - Learning and Evaluation

2.1 Student Enrolment and Profile

2.1.1 Student enrolled in programme (2021-22 Admission)

Name of the Programme	Number of seats available	Number of applications received	Students enrolled
BSc Mathematics	24	268	20
MSc Mathematics	20	134	12

- ❖ (Documents required: Student list)

2.1.2 Students enrolled against seats reserved for various categories (2021-22 Admission)

Sl.No:	Name of Student	UG/PG	Reserved category (OBC/SC/ST/Divyangjan/others, specify)
1	SNEHA K	UG	SC

2.1.3 Students enrolled from other states or foreign countries :Nil

Sl.No:	Name of Student	UG/PG	Other State/foreign country (Specify place)

- ❖ (Documents required: Aadhaar Copy, Migration Certificate)

2.2 Catering to Student Diversity

2.2.1 The department assesses the learning levels of the students and organizes special programmes for students of slow and advanced learning levels (Describe in 200 words)

The department possesses a constant monitoring system to identify the advanced and slow learners and to ensure the implementation of effective strategies to increase their knowledge skills. Based on the SSLC , plus two and bridge course marks 1st year UG students are categorized as slow and advanced learners. 1st year PG students are categorized in these divisions based on their bridge course mark and UG result. The students who exhibit an exceptional flair for academic progress and authentic research are identified as advanced learners in all other classes. Students whose performance are very low in class test, seminar presentation, internal and external exam are classified as slow learners

Programmes are conducted for both slow and advanced learners based on their requirements. Remedial classes are provided for the slow learners to ensure the students understand the subject. Parent-Teacher meetings are held at periodic intervals to discuss the academic performance of students. Advanced learners are encouraged to take up MOOC through swayam, EdX and Coursera. Continuous mentoring helps to evaluate their academic growth and to discuss problems they are facing while studying.

- ❖ (Documents required: Year-wise list of slow and advanced learners, documentary evidence of programmes organized for these categories of students, for e.g., remedial teaching, peer-tutoring, special coaching, MOOC, career coaching etc)

2.2.2. Does the department follow a tutorial system? Yes

- ❖ (Documents required: Student Profile)

2.3. Teaching- Learning Process

2.3.1. The department adopts student-centric methods, including interactive method, experiential learning, participative learning, project-based learning and problem-solving methodologies for enhancing learning experience. Describe in 200 words.

(E.g., Field/heritage/industry/media visits etc can be included)

Teaching–learning methods adopted by the faculty members include Lecture Method, Interactive Method, Project-based Learning, Computer-assisted Learning, Experiential Learning etc. The Teaching – learning activities are made effective through illustration and special lectures.

Lecture method: This conventional method is commonly adopted by all the teachers. This method facilitates the teacher to interpret, explain and revise the content of a text only for better understanding of the subject by the learners.

Interactive method: The faculty members make learning interactive with students by motivating student participation in group discussion, problem analysis, mathematics puzzles, discussion and viva.

ICT Enabled Teaching: The department adopts modern pedagogy in line with emerging trends to enhance teaching-learning processes such as Moodle, PPT, Video, YouTube. Online reference, lecture talks, motivational talks, educational videos and web reference support the teaching-learning process. Department provides instructional materials to the students for easy follow-up / understanding the concepts through Moodle and WhatsApp. Learning resources and useful websites are made available in the college website, which serve as a ready link to access the portals of information and gain knowledge.

Project – based learning: The teachers are the guides to the students in the process of preparation of projects. Both PG and UG courses have project work in their final semester. UG Projects are done in groups.

Computer-assisted Learning, Experiential Learning: The faculty members foster a learning environment by engaging in rich experiential content of teaching through experience, teaching through demonstration, visual aids (use of GeoGebra, animated YouTube videos etc), and conducting quiz on theory topics. UG Projects are done in groups.

Participatory Learning:- The faculties motivate and encourage the students to participate in various national and state level seminars and workshops to present their research and project work to boost students' confidence, subject knowledge and communication skills. Students prepared the topics in mathematics from their syllabus to deliver the seminar in their classrooms. It builds self confidence, subject knowledge and teaching abilities in the students. In university exams, internal marks are also allotted to the seminar.

Group Discussion & Problem solving: Group discussion plays a major role. It is a method used for testing the potential and the behavioral aspects of the students. The students learn the importance of punctuality and come to know various things, like- be prepared, be polite but firm, be confident, get ready, listen carefully, be fluent and be precise.

❖ (Documents required– report of specific activities conducted visits, photos etc)

2.3.2. Teachers use ICT resources for effective teaching-learning. Describe in 200 words.

The department adopts modern pedagogy in line with emerging trends to enhance teaching-learning processes such as Moodle, PPT, Video, YouTube. Online reference, lecture talks, motivational talks, educational videos and web reference support the teaching-learning process. Department provides instructional materials to the students for easy follow-up / understanding the concepts through Moodle and WhatsApp. Learning resources and useful websites are made available in the college website, which serve as a ready link to access the portals of information and gain knowledge.

(Video lecture, PPT, YouTube, Blog, Website, Padlet, Google Meet, Google Classroom, Moodle, Other learning apps like Kahoot, Quizizz etc)

Name of faculty	ICT tool used	Topic	Semester	Link
Jismy Joseph	YouTube	Vector Calculus	5	https://youtube.com/channel/UCGEdSzNJwnx7dERE-Zoc6Mg
Jismy Joseph	YouTube	Complex Analysis	6	https://youtube.com/channel/UCGEdSzNJwnx7dERE-Zoc6Mg
Jismy Joseph	YouTube	Numerical Methods	5	https://youtube.com/channel/UCGEdSzNJwnx7dERE-Zoc6Mg
Jismy Joseph	YouTube	Linear Algebra	4	https://youtube.com/channel/UCGEdSzNJwnx7dERE-Zoc6Mg
Jismy Joseph	YouTube	Theory of equations	5	https://youtube.com/channel/UCGEdSzNJwnx7dERE-Zoc6Mg
Jismy Joseph	YouTube	Algebra	5	https://youtube.com/channel/UCGEdSzNJwnx7dERE-Zoc6Mg
Rachel Paul	Moodle		1,2,3,4,5,6	https://training.carmelcollegeemala.edu.in/my/
Riya Jose	Moodle		1,2,3,4,5,6	https://training.carmelcollegeemala.edu.in/my/
Meenu Jose	Moodle		1,2,3,4	
Rachel Paul	PPT	Partial Derivatives	3	SUB B (SEM 3).pptx
Rachel Paul	PPT	Vector Function and Motion of curves	3	SUB A (SEM 3).pptx
Rachel Paul	PPT	Length and Area of Surface of Revolution	2	B1 - SEM 2.pptx
Rachel Paul	PPT	Derivative of complex functions	5	SEM 5 REAL A.pptx
Rachel Paul	PPT	Set of Points in complex Plane	5	SEM 5 REAL B.pptx

Riya Jose	PPT	Power Series	Sem 3 Main	power series.ppt
Riya Jose	PPT	Taylor & Maclaurin Series	Sem 3 Main	taylor & maclaurin.ppt
Riya Jose	PPT	Determinants	Sem 4 Main	Determinants.pptx
Riya Jose	PPT	Geometry of matrix operator	Sem 4 Main	Geometry of matrix operator.pptx
Riya Jose	PPT	Application of integration	Sem 1 Sub	Applications of integration.pptx
Riya Jose	PPT	Vector Spaces and Subspaces	Sem 2 Sub	VectorSpace.ppt
Riya Jose	PPT	Complex numbers	Sem 3 Sub	Complex numbers.pptx
Riya Jose	PPT	Vibrating String: One Dimensional Wave Equation	Sem 4 Sub	wave equation.pptx
Riya Jose	PPT	Laplace transform	Sem 5 Main	Laplace Transform.ppt
Riya Jose	PPT	Heat equation	Sem 5 Main	1D Heat Equation.pptx
Riya Jose	PPT	Division And Euclidean Algorithm	Sem 6 Main	Division and euclidean algorithm.pptx
Riya Jose	PPT	Prime Numbers Eratosthenes' Sieve	Sem 6 Main	Sieve of Eratosthenes.ppt
Jismy Joseph	PPT	Complex function	Sem 6 Main	Complex.pptx
Jismy Joseph	PPT	Singular point & Residue	Sem 6 Main	Singular point.pptx
Jismy Joseph	PPT	Group Theory	Sem 5 Main	Group Theory.pptx
Jismy Joseph	PPT	Cosets	Sem 5 Main	Cosets.pptx

Jismy Joseph	PPT	Linear Approximation and Tangent Lines	Sem 1 Sub	Linear Approximation.pptx
Jismy Joseph	PPT	Symmetry of graphs	Sem 2 Sub	symmetry of graphs.pptx
Hima Mohan	PPT	Factor group	Sem 1 PG	ALGEBRA I PPT.pptx
Hima Mohan	PPT	Graph	Sem 1 PG	DISCRETE MATHEMATICS - PPT.pptx
Hima Mohan	PPT	Field theory	Sem 2 PG	algebra ii ppt.pptx
Hima Mohan	PPT	Transportation problem	Sem 2 PG	or -ppt.pptx
Hima Mohan	PPT	Normed space	Sem 3 PG	FUNCTIONAL ANALYSIS- ppt.pptx
Hima Mohan	PPT	Bounded operator	Sem 4 PG	ADVANCED FUNCTIONAL PPT.pptx
Rosemitty P M	PPT	Linear Algebra	Sem 1 PG	Linear Algebra.pptx
Rosemitty P M	PPT	Real Analysis	Sem 1 PG	Real Analysis I.pptx
Rosemitty P M	PPT	Ordinary differential equations	Sem 2 PG	ODE.pptx
Rosemitty P M	PPT	Partial differential equations	Sem 3 PG	PDE.pptx
Sneha John	PPT	Number theory	Sem 1	Number Theory
Sneha John	PPT	Topology	Sem 2	topology
Sneha John	PPT	Parametrisation	Sem 3	multi
Sneha John	PPT	Stereographic projection	Sem 3	complex analysis
Sneha John	PPT	Algebraic Number Theory	Sem 4	ANT
Sneha john	PPT	Graph Theory	Sem 4	Graph Theory

Meenu Jose	PPT	Central Tendency	Sem 1	Sem 1 Central Tendency.pptx
Meenu Jose	PPT	Probability Theory	Sem 2	2 ND SEM.pptx
Meenu Jose	PPT	Sampling Methods	Sem 3	Third semester.ppt
Meenu Jose	PPT	Introduction to Hypothesis Testing	Sem 4	FOURTH SEMESTER.ppt

- ❖ (Submit documentary evidence –ICT Register, Lab register etc)

2.3.3. *The department follows a transparent mentoring system- YES*

- ❖ (Documents required: List of mentors- mentees, Mentors diary)

2.4. Teacher Profile and Quality

2.4.1. *Total No. of faculty – (Provide Number)*

Sl.No	Name of Faculty	Designation	Qualification	Nature of appointment (Permanent, Govt. Guest, Management guest, visiting faculty)	Date of Joining the institution	Total teaching experience in the institution
1	Jismy Joseph	Assistant Professor	M.Sc,P.hD	Permanent	02/01/2014	8 years
2	Rachel Paul	Assistant Professor	M.phil	Permanent	13/02/2019	3.years
3	Riya Jose	Assistant Professor	M.Sc	Permanent	11/11/2019	3 years
4	Meenu Jose	Assistant Professor	M.Sc	Permanent	12/02/2019	3 years
5	Sneha John	Assistant Professor on contract	M.Sc	Temporary	03/06/2019	3 years
6	Rosemitty P M	Assistant Professor on contract	M.Sc	Temporary	01/06/2020	3years
7	Hima Mohan	Assistant Professor on contract	M.Sc	Temporary	01/06/2020	1 year
8	Alphonsa George	Assistant Professor on contract	M.Sc,B.ED	Temporary	03/11/2021	5 Months
9	Amrutha Cheriyan	Assistant Professor on contract	M.Sc	Temporary	03/11/2021	5 Months

❖ (Documents required: Copy of Appointment order, Aadhaar card, pan card)

2.4.2. No. of faculty with M.Phil, Ph.D, D.M, M.Cn, D.N.B Superspeciality, D.Sc, D. Litt)

Sl.No:	Name of faculty	Qualification and year of qualification	Whether recognized as a research Guide (If yes, mention the year of recognition as Research Guide)
1	Jismy Joseph	PhD, 2020	No
2	Rachel Paul	M.Phil,2018	No

❖ (Documents required: Doctorate degree certificate awarded by the university)

2.4.3 Honors and recognitions received by teachers. NIL

Name of the faculty	Name of honour/recognition received	Year of attainment	Name of Body delegating the award

❖ (Documents required: Certificate, Photos)

2.5. Evaluation Process and Reforms

2.5.1. Does the department follow a transparent and robust mechanism for internal assessment? Yes

❖ (Document Required: Semester-wise internal examination consolidated mark list with student signature, Photo of mark list published on department notice board)

2.5.2 Does the department have a transparent and time-bound mechanism to deal with internal/external examination related grievances?

❖ (Documents required: Documentation of Student grievances and action taken report)

2.6 Student Performance and Learning Outcome

2.6.1. Does the department ensure lucid communication of POs, PSOs and COs to the students and assess the attainment of the same? yes

- ❖ (Documents required: Photo of the department notice board displaying the learning outcome, List of student assignments and seminars with name of teacher-in charge and marks, List of semester-wise toppers, List of rank holders and position certificate)

2.6.2 a) Pass percentage of students

No. of students appeared in the final year examination		No. of students passed in the examination	Pass%
UG	39	32	82%
PG	9	0	0

UG							
A ⁺	A	B ⁺	B	C	D	E	
	3		16	12	1		
PG							
A ⁺	A	B ⁺	B	C ⁺	C	D	E

- ❖ (Documents required: Consolidated mark list, Student list with their Grade and CGPA)

b) Details of students who cleared supplementary exam

Name of Programme	Name of Student	Year of programme completion
B.Sc Mathematics	Pooja K.P	2021
M.Sc Mathematics	Anjumol Varghese	2021

c) Revised pass percentage

Year	Name of Programme	No. of students appeared in the final examination	No. of students passed (Including supplementary)	Revised pass percentage
2021	B.Sc Mathematics	39	33	84.6%
2021	M.Sc Mathematics	9	1	11%

❖ (Document Required: Revised consolidated mark list)

NOTE:

- A) The documents mentioned under each metrics should be submitted as **Annexure II**. Each document should be numbered as per the metrics for ease of identification (e.g., 2.1.1a)
- B) Two photographs, of which one is geotagged, should be attached wherever it is asked for submission.

CRITERIA III

RESEARCH, INNOVATIONS AND EXTENSIONS

3.1 Resource Mobilization for Research

3.1.1 Funds/Grants received from Government and non-governmental agencies for research projects, endowments, Chairs by the department: Nil

Name of project	Name of principal investigator	Year of award	Amount sanctioned	Duration	Name and type of funding agency

❖ (Documents required: e-copies of the grant award letters, other relevant documents)

3.1.2 No. of teachers recognized as research guides :Nil

Sl.No	Name of the Faculty	Year of recognition as research guide	Name of the scholar	Year of registration of the scholar	Title of the Thesis of the Scholar	Status of research

- ❖ (Documents required: e-copies of letters from the university indicating the name of the guide/co-guide)

3.2 Innovation Ecosystem

3.2.1 Workshops/seminars/webinar on IPR, Research Methodology, entrepreneurship and Industry-Academia innovative practices :

Sl.No:	Title of workshop/seminar/webinar	Date/Dates	Name of Resource person and designation	Sponsoring agency, if any	Collaborator, if any	No. of Participants
1	Job opportunities in current marketing scenario	26/8/2021	Anandhu M.K	Mathematics Association	AVODHA	73

- ❖ (Documents required: Detailed Report, Brochure, Photo, Participant list, copy of certificate)

3.2.2 Awards/recognition for innovation won by Department/faculty/students :*Nil*

Sl.No:	Title of the innovation	Name of Awardee	Awarding agency	Date	Category

- ❖ (Documents required: Certificate/letter of award, photo, and other relevant documents)

3.2.3 Does the department have a Production House to promote innovation and creativity of students? *Nil*

Sl.No:	Type of innovation/creative product made	Name of Students involved	Date of release

- ❖ (Documents Required: Report, Brochure, Photo)

3.3 Research Publication and Awards

3.3.1 Incentive to the faculty who receive recognition/award : *Nil*

Name of faculty	State	National	International

❖ (Document required: Certificate, any other relevant document)

3.3.2 Ph.D registered/awarded during the year :

Sl:No	Name of Faculty	University	Registered/Awarded
1	<i>Rachel Paul</i>	<i>Mahatma Gandhi University, Kottayam</i>	<i>registered</i>

❖ (Document Required: Joining letter, Certificate of award)

3.3.3 Research publication in the journals notified on UGC website/peer-reviewed

Name of Faculty	Title of the Paper	Name of Journal/Book/Chapter with ISSN/ISBN No	Online/Print	Peer-reviewed/UGC indexed	Average Impact Factor, if any	Publisher	Year of Publication
Meenu Jose	Power modified Lindley distribution: Theory and applications	Journal of Mathematical extension ISSN: 1735-8299		UGC indexed			2021
Meenu Jose	Applications of HLMOL – X Family of distributions to Time Series, Acceptance Sampling and Stress strength parameter	Austrian Journal of Statistics		UGC indexed			2022

Name of student	Title of the Paper	Name of Journal/Book/Chapter with ISSN/ISBN No	Online/Print	Peer-reviewed/UGC indexed	Average Impact Factor, if any	Publisher	Year of Publication

❖ (Documents required: - cover page, content page and selected publication)

3.3.4 *Books and chapters in edited volumes/Books published, and papers in national/international conference proceedings : Nil*

Name of Faculty	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Name of Publisher

Name of student	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Name of Publisher

❖ (Documents required: cover page, content page and selected publication)

3.3.5 *Bibliometrics of the publications during the last academic year based on average citation index in Scopus/Web of Science or Pub Med/Indian Citation Index*

Title of the paper	Name of the author	Title of the Journal	Citation index	Number of citations excluding self-citation	Institutional affiliation as mentioned in the publication

(Documents required - Screenshot)

3.3.6 *h-index of the institutional publications during the year*

Title of the paper	Name of the author	Title of the Journal	h-index	Number of citations excluding self-citation	Institutional affiliation as mentioned in the publication

(Document required- Screenshot)

3.3.7. Faculty participation in seminars/conferences and symposia

No. of Faculty	International Level	National Level	State Level	Local Level
Attended				
Presented Papers	3			
Resource Person				

a. (Give details of participation)

Sl. No	Name of faculty	Nature and level of Activity	Title of seminars/conferences/symposia	Organiser along with details of Place/platform	Date	Sponsoring Agency
1	Rachel Paul	Webinar, State	A brief Survey on selected topics on Real Analysis and Geometry	Department of Mathematics in collaboration with IQAC Fakir Chand College, West Bengal	08/07/2021	
2	Rachel Paul	Webinar, Local	Berchmans webinar series in Mathematics: 'On Bloch's Constant'	Department of Mathematics, St Berchmans College, Changanassery	10/07/2021	
3	Rachel Paul	Webinar, Local	Right to Information Act	IQAC, Carmel College Mala	13/08/2021	
4	Rachel Paul	Workshop, Local	Innovative tools for online teaching and content creation	IQAC, Carmel College Mala	11/08/2021	
5	Rachel Paul	Webinar, National	Celestial Mechanics and Cryptography	Department of Applied Mathematics, SSTC- Bhilai, Chattisgarh	12/08/2021	
6	Rachel Paul	Workshop, National	Three day National level workshop on Matlab for Beginners	Department of Mathematics, Srimad Andavan Arts and Science College, Tamil Nadu	28/07/2021 to 30/07/2021	
7	Rachel Paul	Webinar, International	Advances in Applied Mathematical Sciences	Department of Mathematics and Statistics, Newman College, Thodupuzha	20/09/2021 to 24/09/2021	

8	Riya Jose	Webinar, Local	Berchmans webinar series in Mathematics: 'An Invitation to the Rogers - Ramanujan Identities'	Department of Mathematics, St Berchmans College, Changanassery	07/07/2 021	
9	Riya Jose	Webinar, Local	Berchmans webinar series in Mathematics: 'On Bloch's Constant'	Department of Mathematics, St Berchmans College, Changanassery	10/07/2 021	
10	Riya Jose	Webinar, Local	Berchmans webinar series in Mathematics: 'Ra msey Theory- An introduction through number theoretic problems'	Department of Mathematics, St Berchmans College, Changanassery	13/11/2 021	
11	Riya Jose	Webinar, Local	Berchmans webinar series in Mathematics: 'An introduction to Leavitt Path Algebras'	Department of Mathematics, St Berchmans College, Changanassery	09/10/2 021	
12	Riya Jose	Webinar, Local	Berchmans webinar series in Mathematics: 'So me questions about Tilings'	Department of Mathematics, St Berchmans College, Changanassery	12/06/2 021	
13	Riya Jose	Workshop, National	Three day National level workshop on Matlab for Beginners	Department of Mathematics, Srimad Andavan Arts and Science College, Tamil Nadu	28/07/2 021 to 30/07/2 021	

14	Riya Jose	Webinar, State	A brief Survey on selected topics on Real Analysis and Geometry	Department of Mathematics in collaboration with IQAC Fakir Chand College, West Bengal	08/07/2021	
15	Riya Jose	Webinar , International	Advances in Applied Mathematical Sciences	Department of Mathematics and Statistics, Newman College, Thodupuzha	20/09/2021 to 24/09/2021	
16	Riya Jose	Webinar, National	Linear Algebra and its Applications	Department of Science and Humanities, FISAT	19/11/2021 to 20/11/2021	
17	Riya Jose	Workshop, Local	Innovative tools for online teaching and content creation	IQAC, Carmel College Mala	11/08/2021	
18	Riya Jose	Webinar, National	Celestial Mechanics and Cryptography	Department of Applied Mathematics, SSTC- Bhilai, Chattisgarh	12/08/2021	

❖ (Documents required: Certificate of participation)

b. (Give details of Paper Presentations)

Sl. No	Name of faculty	Title of the paper	Nature and level of Activity (Seminar/ Workshop)	Organiser along with details of Place/platform	Date	Sponsoring Agency
1	Riya Jose	Chain bundles and Category of Chains	Conference, International	65 th Annual Conference of the Australian Mathematical Society hosted by The University of Newcastle, Australia	7 - 10 December 2021	
2	Riya Jose	Category of chain complexes	Conference, International	INTERNATIONAL CONFERENCE ON SEMIGROUPS, ALGEBRAS AND OPERATOR THEORY	28-31 March 2, 2022	
3	Meenu Jose	Half Logistic Marshall Olkin X Family of Distributions with properties and applications	Conference, International	International conference on emerging trends in Statistics & Data Science in conjunction with 40th annual convention of Indian Society for Probability & Statistics	7-10 Sep-2021	
4.						

❖ (Documents required: Certificate of presentation, screenshot/photos)

c. Faculty as Resource Person: *Nil*

Sl.No	Name of faculty	Presented Subject /Topic	Nature of Programme	Organizer	Place/platform	Date

❖ (Documents required: Letter from authority, Certificate, Screenshot/photo)

d. Faculty as Content Creators: Nil

Sl.No	Name of faculty	Content Created	Platform	Link

3.3.8. Faculty developing E-content/MOOC Courses on e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM, other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc: *Nil*

Sl. No	Name of faculty	Title of the Course/Module	Platform on which the module/course is developed	Date of launch and Duration	No. of students enrolled

❖ (Documents required: Detailed course structure, letter of collaboration, list of students enrolled)

3.3.9. Student participation in seminars/conferences/workshops

No. of Students	International Level	National Level	State Level	Local Level
Attended -			2	5
Presented Papers -				

a. (Give details of participation)

Sl. No	Student Name	Nature and level of Activity	Title of seminars/conference/workshops	Organiser along with details of Place/platform	Date	Sponsoring Agency
1	Amitha E S	Webinar, Local	Advances of Statistics and their applications	Department of Mathematics, Carmel College Mala	29 - 06 - 2021	
2	Anjima K Jojy	Webinar, Local	Advances of Statistics and their applications	Department of Mathematics, Carmel College Mala	29 - 06 - 2021	
3	Aparna P T	Webinar, Local	Berchmans webinar series in Mathematics: 'On Bloch's Constant'	Department of Mathematics, St Berchmans College, Changanassery	10/07/2021	
4	Glency Davis	Webinar, Local	Berchmans webinar series in Mathematics: 'On Bloch's Constant'	Department of Mathematics, St Berchmans College, Changanassery	10/07/2021	
5	Jopsy Joy	Webinar, State	A brief Survey on selected topics on Real Analysis and Geometry	Department of Mathematics in collaboration with IQAC Fakir Chand College, West Bengal	08/07/2021	
6	Silpa C T	Webinar, Local	Advances of Statistics and their applications	Department of Mathematics, Carmel College Mala	29 - 06 - 2021	
7	Silpa C T	Webinar, State	A brief Survey on selected topics on Real Analysis and Geometry	Department of Mathematics in collaboration with IQAC Fakir Chand College, West Bengal	08/07/2021	

❖ (Documents required: Certificate of participation)

b. (Give details of Paper Presentations): Nil

Sl. No	Name of student	Title of the paper	Nature and level of Activity (Seminar/ Workshop)	Organiser along with details of Place/platform	Date	Sponsoring Agency
1						
2						
3						
4.						

❖ (Documents required: Certificate of presentation, screenshot/photos, if any)

c. Students attending online/MOOC Courses: NIL

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❖ (Documents required: Certificate of completion)

3.4 Extension Activities

3.4.1. Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations : Nil

Sl.No	Name of the Activity	Organizing unit/agency/collaborating agency	No. of teacher coordinators	No. of students participated

❖ (Documents required: Detailed Report of activity, MoU/ letter of collaboration, Photos, Newspaper reports if any, List of participants)

3.4.2. Extension activities carried out in the neighbourhood community for their holistic development. :

Sl.No:	Name of activity	Place of activity	Date/duration	Sponsoring/Collaborating agency, Specify	No. of students participated	No. of beneficiaries
1	Tuition	Neighbourhood of students			3	20

- ❖ (Document required: Report, Photo, letter of appreciation/collaboration, List of students)

3.4.3 Awards and recognition received for extension activities from Government and other recognized bodies during the year :*Nil*

Sl.No	Name of the Activity	Award/recognition	Awarding Body	No. of individuals Benefitted

- ❖ (e-copy of the award letter, list of participants, other relevant documents)

3.4.4 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, AIDS Awareness, Gender Issue, entrepreneurship etc. during the year

Sl.No	Name of Scheme	Organizing unit/agency/collaborating agency	Name of Activity	No. of teacher coordinators	No. of students participated
1	Swachh Bharat		Social service		11

- ❖ (Detailed Report on the activity, MoU/ letter of collaboration, Photos, Newspaper reports, if any, List of participants)

3.5 Collaborations

3.5.1 Number of collaborative activities for research, faculty exchange, student exchange during the year: *Nil*

Sl.No.	Nature and title of activity	Name of collaborative agency with contact details	No. of participants	Duration	Source of Financial support

- ❖ (Documents required: Report, photos, MoU/Copies of collaboration/related documents indicating the nature of collaboration, list of participants)

3.5.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year :

Sl.No	Nature of linkage	Title of linkage	Name of partnering institution/industry/research centre with contact details	Duration	No. of Participants
1	internship	internship	TCS	2 months	1

- ❖ (Documents required: Report, photos, MoU/ Copies of collaboration/related documents indicating the nature of linkage, list of participants)

3.5.3 Functional MoUs signed with institutions of national, international importance, other universities, industries, corporate house etc during the year : Nil

Sl.No:	Organization with which the MoU is signed	Date of MoU signed	Duration	Purpose and activities conducted	No of teachers/students participated

- ❖ (Documents required: Report detailing the list of activities conducted under each MoU with dates of commencement and conclusion, e-copy of the letters showing MoUs)

NOTE:

- A) The documents mentioned under each metrics should be submitted as **Annexure III**. Each document should be numbered as per the metrics for ease of identification (e.g., 3.1.1a)

- B) Two photographs, of which one is geotagged, should be attached wherever it is asked for submission.

CRITERIA IV

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added/Upgraded	Amount	Source of Fund
Classrooms				
Laboratories				
Classrooms with LCD facilities				
Classrooms with Wi-Fi/Lan facility				

4.1.2 Details of purchase/maintenance

Equipment/Items purchased	Maintenance	Amount	Source of fund	Date

❖ (Document Required: Bill)

4.2 IT/ICT Facilities

4.2.1 Details of augmentation IT/ICT facilities during the year

Facilities	Existing	Newly added/Upgraded	Amount	Source of Fund
Computers	1			
Laptops				
Projectors	4			
Printer	1			
Scanner	1			
Speaker				
Others				

❖ (Document required: Bill)

4.3 Library as Learning Resource

4.3.1 Details of library resources

Sl.No.	Existing		Newly added		Total		Source of Fund
	No.	Value	No.	Value	No.	Value	
Text Books							
Reference Books							
e-books							
Journals							
e-Journals							
CD/Video							
Projects and Dissertations							
Dictionary and Encyclopaedia							
Others							

- ❖ (Documents required: Stock register, Issue register)

4.3.2. Usage of college library by teachers

- ❖ (Documents Required: Foot falls and login data for online access, copy of the page of issue register)

4.4 Maintenance of Infrastructure

4.4.1. The department has an established system and procedures for maintaining and utilizing physical, academic and support facilities. (Describe in 200 words)

- ❖ (Documents required: Log registers for laboratory, library, computers etc)

NOTE:

- The documents mentioned under each metrics should be submitted as **Annexure IV**. Each document should be numbered as per the metrics for ease of identification (e.g., 4.1.1a)
- Two photographs, of which one is geotagged, should be attached wherever it is asked for submission.

CRITERIA V STUDENT SUPPORT AND PROGRESSION

5.1 Student Support

5.1.1 Student Strength

UG Students:

Year	ST	SC	OBC/OEC	General	Physically challenged	Economically backward Students(below taxable slab)
I Year	0	1	15	4	0	
II Year	0	0	13	9	0	9
III Year	0	0	12	7	0	5

PG Students

Year	ST	SC	OBC	General	Physically challenged	Economically backward Students(below taxable slab)
I Year	0	0	7	5	0	2
II Year	0	0	9	7	0	3

- ❖ (Documents required: Year-wise list of students with annual income, List of physically challenged students specifying the disability, medical certificate)

5.1.2 Scholarships and Financial Support

Name of Student	Batch	Name/Title of Scheme	Source of Financial Support (Institution, Government, NGO, other national/international sources, specify)	Amount Received
Abhirami Aravindakshan	2019-2022	Snehapoorvam scholarship	government	10000
Angel Rose	2019-2022	Snehapoorvam scholarship	government	10000
Angel Rose	2019-2022	Suvarna Jubilee Scholarship	government	10000
Ahalya P.S	2019-2022	Suvarna Jubilee Scholarship	government	10000
Angel Joseph	2020-2023	Post metric	government	5000
Anakha Titus	2020-2022	Post metric	government	5000
Asha Antu	2020-2022	Post metric	government	5000
Angel Rose	2019-2022	Post metric	government	5000
Rincy Jose	2019-2022	Post metric	government	5000
Delna Pauly	2020-2023	Post metric	government	5000
Lavitha Rose Shaji	2020-2023	Post metric	government	5000
Shamini Shaju	2020-2023	Post metric	government	5000
Laina Stella K L	MSc 2021-2023	Post metric	government	5000
Priya N J	MSc 2020-2022	Post metric	government	5000

Jasmin Johnson	2021-2024	Post metric	government	5000
Anju Joy	MSc 2021-2023	Post metric	government	5000
Anna Joy	2020-2023	Central sector	government	10000
Jopsy Joy	2020-2023	Central sector	government	10000
Sneha K	2021-2024	E-grantz	government	20305
Nandana Subash	2021-2024	OEC	government	3105
Vidhya M V	2020-2023	OEC	government	2985
Praveena M V	2019-2022	OEC	government	3080
Anagha P S	2020-2022	OEC	government	39525
Krishnendhu Hari	2020-2022	OEC	government	39525
Sreelekha K K	2021-2024	OBC (H)	government	3105
Nandana K R	2021-2024	OBC (H)	government	3105
Athira K R	MSc 2021-2023	OBC (H)	government	39220
Aparna PT	MSc 2020-2022	OBC (H)	government	39525
Keerthana K V	2020-2023	OBC	government	2985
Krisna Haridas	2020-2023	OBC	government	2985
Shelsha Vasu	2020-2023	OBC	government	2985

Shilpa CT	2020-2023	OBC	government	2985
Sreya M S	2020-2023	OBC	government	2985
Ahalya P S	2019-2022	OBC	government	3080
Amitha ES	2019-2022	OBC	government	3080
Gopika M H	2019-2022	OBC	government	3080
Abhirami Aravindakshan	2019-2022	OBC	government	3080
Aswani Krishna C	2021-2024	OBC	government	3105
Hridhya R	2021-2024	OBC	government	3105
Gopika N P	2021-2024	OBC	government	3105
Ardra Rajeev	2021-2024	OBC	government	3105
E G Anagha	2021-2024	OBC	government	3105
Ishana KK	2021-2024	OBC	government	3105
Sreelakshmi NP	2021-2024	OBC	government	3105
Sreya R Vinod	2021-2024	OBC	government	3105

5.1.3 Capacity Building and Skill enhancement initiatives taken by the department (Soft Skills, Language and communication skills, life skills like yoga, meditation, physical fitness, health and hygiene, ICT/computing skills etc

Name of the capacity enhancement programme/scheme (<i>Soft Skills, Language and communication skills, life skills, ICT/computing skills etc</i>)	Level	Name of the activity	Name of Resource Person and designation	Date/duration	No. of Students enrolled	Name of agencies involved with contact details
Aptitude test for competitive exams	Soft Skills	ERUDITE		Twice monthly	135	Nil

❖ (Documents required – report, brochure, photos, list of students enrolled)

5.1.4 Students benefited by guidance for competitive examinations and career counselling offered by the department

Name of scheme/programme conducted to offer guidance for competitive examination	No. of benefited students	No. of students who passed in the competitive exam	Name of scheme/programme conducted to offer Career Counselling	No. of benefited students	Number of students placed
ERUDITE-Aptitude test for competitive exams	135		Eclat-Alumni interaction session-1 with Sneha Sojan , Beat forest officer Chalakudy	65	
			ECLAT-Alumni interaction session-2 with Carolin Jogy , Scholar trainee WIPRO Ltd	62	
			Webinar on German Language: Opportunities Falore	34	

❖ (Documents required – Report of activity conducted, brochure, photos, list of participants)

5.1.5 Department ensures timely redressal of student grievances including sexual harassment and ragging cases :Nil

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal

- ❖ (Documents required – Grievance redressal Application form submitted by student, written complaints, action taken report)

5.2 Student Progression

5.2.1 Details of campus placement

On Campus			Off Campus		
Name of organization visited	Number of students participated	Number of students placed	Name of organization visited	Number of students participated	Number of students placed
			Infosys	5	4

a) Details of Students placed

Name of Student	Year of Programme Completion	Name of institution/organization where the student is placed	Designation	Salary per year	Mail ID of the employer	Contact Number of the employer
Vibiya Wilson	2021	Infosys	Operations Executive	222972		918028520216
Fina Devassy	2021	Infosys	Operations Executive - Trainee	222972		918028520216
Jisna Tony	2021	Infosys	Operations Executive - Trainee	222972		918028520216
Rose U T	2021	Infosys	Operations Executive - Trainee	222972		918028520216

- ❖ (Document required: Attach appointment order)

b. Details of Self-employed students

Name of Student	Year of Programme Completion	Type/area of employment	Place	Income per year	Official Mail ID and Contact number

❖ (Any relevant Document)

5.2.2 Student progression to higher education

Sl.No.	Name of the Student	Year of Programme completion	Name of institution Joined	Name of programme admitted to
1.	Dilna Joseph	2021	Aquinas College Edakochi	M.Sc Statistics
2.	Jenifer N Shyju	2021	Depaul Institute of Science and Technology, Angamaly	MCA
3.	Malavika Viswanathan	2021	Veranda Race Institute	Bank Coaching
4.	Chenginiyadan Ansu Maria Thomas	2021	St. Teresa College Ernakulam	M.Sc Applied Statistics and data analytics
5.	Akshana K N	2021	St. Joseph College Irinjalakuda	M.Sc Data Analytics
6	Sivanya C M	2021	St. Joseph College Irinjalakuda	M.Sc Mathematics
7	Vibiya Wilson	2021	St. Joseph College Irinjalakuda	M.Sc Mathematics
8	Sneha Shaji	2021	SH Chalakudy	M.Sc Mathematics

❖ (Document required: ID card as proof)

5.2.3 Students qualifying in state/national/international level examinations (e.g. NET, SET, KTET, GATE, GMAT, CAT, GRE, TOFEL, Civil Services, Govt. Services, any others)

Sl.No	Name of the student	Year of Programme completion	Name of exam	Register No
1	Abhirami Aravindakshan	2022	JAM	MA125A057
2	Rincy Jose	2022	JAM	MA125A131

❖ (Document required: Attach hall ticket as proof)

5.3 Student Participation and Activities

5.3.1 Sports/cultural activities/competitions organized by the department

Name/type of activity	Level	Organizing Body	Co-organizer, if any	Date	No. of participants
Writing most decimal place of e	Institutional	Department of Mathematics	NIL	08-02-2022	11
Quiz Competition	Institutional	Department of Mathematics	NIL	21-12-2021	6
Poster Making Competition	Institutional	Department of Mathematics	NIL	29-06-2021	7

❖ (Document required: Report, photo, participant list)

5.3.2. Number of awards/medals for outstanding performance in sports/cultural activities at institutional, intercollegiate, university/state/national/international level

Name of award/medal	Level	Event-Sports	Event-Cultural activities	Student ID number	Name of the student
Third prize	Institutional		Drama		Anamika U.K
Third prize	Institutional		Margamkali		Jopsy joy
Third prize	Institutional		Margamkali		Anu Rose Joy
Second prize	Institutional		Kathaprasan gam		Anurose Joy
First prize	Institutional		Collage		Adithya K.R
First prize	Institutional		English Recitation		Aparna Menon
First prize	Institutional		Mappilapattu group		Aparna Menon
Third prize	Institutional		Monoact		Aparna Menon
Third prize	Institutional		Malayalam Recitation		Aparna Menon
Third prize	Institutional		English Versification		Aparna Menon
First prize	Institutional		Poster making		Gopika N.P
Third prize	Institutional		Cartoon		Gopika N.P
Second prize	Institutional		Collage		Gopika N.P
First prize	Institutional		Mappilapattu group		Gopika N.P

❖ (Document required: Certificate)

5.3.3. Number of sports and cultural events/ other competitions in which students of the department participated

Name of the programme (Sports/ cultural events/ others)	Level (departmental, institutional, intercollegiate, university, state, national, international)	Organizer	Date	Number of Participants
Malayalam Essay Writing	Institutional	Fine Arts Committee	18/01/2022	5
Hindi Essay Writing	Institutional	Fine Arts Committee	12/01/2022	1
English Essay Writing	Institutional	Fine Arts Committee	18/01/2022	2
Malayalam Poem Writing	Institutional	Fine Arts Committee	12/01/2022	4
English Poem Writing	Institutional	Fine Arts Committee	12/01/2022	1
Hindi Poem Writing	Institutional	Fine Arts Committee	12/01/2022	1
Malayalam Story Writing	Institutional	Fine Arts Committee	19/01/2022	5
English Story Writing	Institutional	Fine Arts Committee	19/01/2022	1
Hindi Story Writing	Institutional	Fine Arts Committee	12/01/2022	1
Malayalam Recitation	Institutional	Fine Arts Committee	13/01/2022	3
English Recitation	Institutional	Fine Arts Committee	13/10/2022	1
Hindi Recitation	Institutional	Fine Arts Committee	13/01/2022	1
Pencil Drawing	Institutional	Fine Arts Committee	12/01/2022	5
Painting	Institutional	Fine Arts Committee	19/01/2022	3
Poster Making	Institutional	Fine Arts Committee	12/01/2022	5

Light Music	Institutional	Fine Arts Committee	13/01/2022	3
Collage Making	Institutional	Fine Arts Committee	17/01/2022	4
Folk Dance(single)	Institutional	Fine Arts Committee	13/01/2022	1
Mappilapattu (Single)	Institutional	Fine Arts Committee	13/01/2022	1
Kadhaprasangam	Institutional	Fine Arts Committee	13/01/2022	2
Bharatanatyam	Institutional	Fine Arts Committee	13/01/2022	1
Debate	Institutional	Fine Arts Committee	12/01/2022	2
Quiz	Institutional	Fine Arts Committee	12/01/2022	1
Mono Act	Institutional	Fine Arts Committee	14/01/2022	1
Mime	Institutional	Fine Arts Committee	14/01/2022	6
Margamkali	Institutional	Fine Arts Committee	13/01/2022	7
Group Folk Dance	Institutional	Fine Arts Committee	14/01/2022	7
Oppana	Institutional	Fine Arts Committee	14/01/2022	8
Drama	Institutional	Fine Arts Committee	14/01/2022	8
Thiruvathira	Institutional	Fine Arts Committee	14/01/2022	10
Group Song	Institutional	Fine Arts Committee	13/01/2022	7
Patriotic Song	Institutional	Fine Arts Committee	14/01/2022	7
Mappilapattu(group)	Institutional	Fine Arts Committee	13/01/2022	6

Tunnel Relay	Institutional	Physical Education Department	15/01/2022	20
Tug of war	Institutional	Physical Education Department	15/01/2022	15
March Past	Institutional	Physical Education Department	15/01/2022	30

❖ (Document required: Participants list for each event, Certificate of participation)

5.3.4. *Representation of students in academic and administrative bodies (college union, Associations)*

<i>Name of the student</i>	<i>Name of the body</i>
Delna Pauly	Association Secretary
Amitha E.S	NCC Junior Under Officer

5.3.5 *No. of students participated in NSS events:*

Name of activity	Level (University/ State/ National)	Name of student	Batch
Freedom Run	State level	Anna Joy	II B.Sc Maths
Freedom Run	State level	Vidhya M.V	II B.Sc Maths
Freedom Run	State level	Arya P.S	II B.Sc Maths
Freedom Run	State level	Nandana V.	II B.Sc Maths
Freedom Run	State level	Shamini Shaju	II B.Sc Maths
Freedom Run	State level	Anjima K Joy	II B.Sc Maths
Freedom Run	State level	Delna Pauly	II B.Sc Maths
Freedom Run	State level	Jopsy Joy	II B.Sc Maths
Gender awareness	College Level	Anna Joy	II B.Sc Maths
Gender awareness	College Level	Vidhya M.V	II B.Sc Maths
Gender awareness	College Level	Arya P.S	II B.Sc Maths
Gender awareness	College Level	Nandana V.	II B.Sc Maths
Gender awareness	College Level	Shamini Shaju	II B.Sc Maths
Gender awareness	College Level	Anjima K Joy	II B.Sc Maths
Gender awareness	College Level	Delna Pauly	II B.Sc Maths
Gender awareness	College Level	Jopsy Joy	II B.Sc Maths

❖ (Documents Required: Batch-wise List of students enrolled in NSS, Certificate of participation, if any)

5.3.6. *No. of students participated in NCC events:*

Name of activity	Level (University/ State/ National)	Name of student	Batch
Pulwama Day- Mime	College level	Gopika N P	I B.Sc.Maths
Republic Day- Patriotic Song	College level	Aparna Menon	I B.Sc.Maths
Helping Hand	College level	Anamika U K	II B.Sc.Maths
Nature Conservation- Paper pen making	College level	Anamika U K	II B.Sc.Maths
Youth Skill Day- Ottanthullal	College level	Nandhana K.R	II B.Sc.Maths
Webinar on RDC-TSC Camp	College level	Nandhana K.R	II B.Sc.Maths
Doodle contest-Kargil diwas	College level	Nandhana K.R	II B.Sc.Maths
Awariness programme on Suicide prevention	College level	Nandhana K.R	II B.Sc.Maths
Gandhi jayanthi :Speech	College level	Nandhana K.R	II B.Sc.Maths
Helping Hand	College level	Nandhana K.R	II B.Sc.Maths
Pulwama Day Mime	College level	Nandhana K.R	II B.Sc.Maths
Kargil diwas- Drawing	College level	M S Sreya	II B.Sc.Maths
Awariness programme on Suicide prevention	College level	M S Sreya	II B.Sc.Maths
Helping Hand	College level	M S Sreya	II B.Sc.Maths
National Youth Day-Talk	College level	M S Sreya	II B.Sc.Maths
Nature conservation- Paper pen making	College level	M S Sreya	II B.Sc.Maths
International Girl child day- Participation	College level	Gopika P T	III B.Sc.Maths

❖ (Documents required: Batch-wise List of students enrolled in NCC, Certificate of participation, if any)

5.4. Alumni Engagement

a) No. of enrolled alumni - 39

b) Alumni contribution (In cash and kind):Nil

c) Meetings/activities organized with alumni involvement

Name of activity	Alumnae involved	Date
ECLAT Alumnae interaction session 1	Sneha Sojan , Beat forest officer Chalakudy	18/07/2021
ECLAT Alumnae interaction session 2	Carolin Jogy , Scholar trainee WIPRO Ltd.	11/01/2022

- ❖ (Documents required: brochure, report of the event, photos, participants list)

NOTE:

- A) The documents mentioned under each metrics should be submitted as Annexure V. Each document should be numbered as per the metrics for ease of identification (e.g., 5.1.1a)
- B) Two photographs, of which one is geotagged, should be attached where ever it is asked for submission.

CRITERIA VI

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Vision and Leadership

6.1.1. Participation of the teachers in decision making bodies of the institution

Name of Faculty	Name of the Body	Position/responsibility undertaken
Jismy Joseph	NCC	ANO
Rachel Paul	NSS	Programme Officer
Meenu Jose	PTA	Staff Representative & Nodal Officer
Riya Jose	Incharge of clubs and forums	Coordinator
Riya Jose	PD Medical Inspection	Convenor

- ❖ (Documents required: Appointment Order)

6.2 Faculty Empowerment Strategies

6.2.1 Faculty provided with financial support to attend conferences/workshops and membership fee of professional bodies: Nil

Name of faculty	Name of conference/workshop attended	Amount sanctioned	Name of the professional body for which membership fee is provided	Amount sanctioned

❖ (Documents required: Participation certificate, payment receipt)

6.2.2 Faculty attended Professional Development Programmes (online/face-to face, Orientation/ Refresher /Summer /Winter School/Short term staff training Programmes/ FDP)

Sl. No	Faculty Name	Name of the programme	University	Date/Duration
	Rachel Paul	Mathematics	University of Delhi	16-03-2021 to 30-03-2021
	Rachel Paul	ITLS with Affective & Cognitive Approach	Pune Vidyarthi Griha	21-06-2021 to 25-06-2021
	Rachel Paul	A Brief Survey on selected topics on Real Analysis and Geometry	Fakir Chand College, West Bengal	08-07-2021
	Rachel Paul	On Block's constant	S.B College, Changanassery	10-07-2021
	Rachel Paul	Right to Information Act	Carmel College, Mala	13-08-2021
	Rachel Paul	Innovative Tools for Online Teaching and Content Creation	Carmel College, Mala	11-08-2021
	Rachel Paul	Celestial Mechanics and Cryptography	Shri Shankaracharya Technical Campus, Bhilai	12-08-2021
	Rachel Paul	MATLAB for Beginners	Srimad Andavan Arts and Science College, Trichy	30-07-2021
	Rachel Paul	Advances in Applied Mathematical Sciences	Newman College, Thodupuzha	24-09-2021
	Riya Jose	The Art of Doing Research	Jyothi Engineering College, Thrissur	12-07-2021 to 22-07-2021
	Riya Jose	Mathematics	University of Delhi	16-03-2021 to 30-03-2021

	Dr. Jismy Joseph	Learning Management system(Moodle) and Course design	Kerala State Higher Education council, Thiruvananthapuram	1-6 september 2021
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- ❖ (Documents required: Certificate, relieving letter/duty letter, other relevant documents)

6.2.3. Faculty attending online/MOOC Courses :Nil

Sl. No	Faculty Name	Title of the Course	Offering Platform	Date/Duration

- ❖ (Documents required: Certificate of completion)

6.3 Financial Management and Resource Mobilization

6.3.1 Funds/grants received from NGOs, individuals, philanthropists (Not covered in Criteria III): Nil

Source of Fund/grants	Amount	Purpose of the grant/Activity conducted	Date/duration of activity	No. of Beneficiaries

- ❖ (Documents required: Report, Photo, list of beneficiaries, Receipt)

NOTE:

A)The documents mentioned under each metrics should be submitted as **Annexure VI**. Each document should be numbered as per the metrics for ease of identification (e.g., 6.1.1a)

B)Two photographs, of which one is geotagged, should be attached where ever it is asked for submission.

CRITERIA 7

VALUES AND BEST PRACTICES

7.1.1 Measures/activities initiated by the department for the promotion of gender equity, environment consciousness, green initiative, human values and ethics, professional ethics, constitutional obligation, inclusivity etc: *Nil*

Type of activity	Level	Name of activity	Area concerned	Date/duration	No. of participants

- ❖ (Document required: brochure, report of the event, photos, letter of participation in election duty)

7.1.2 Department celebrates national and international commemorative days, events and festivals

Day observed	Type and Name of activity	Level	Date	No. of participants
E-Day	Writing most decimal place of e	Institutional	08-02-2022	11
National Mathematics Day	Quiz Competition	Institutional	21-12-2021	6
National Statistics Day	Poster Making Competition	Institutional	29-06-2021	7
National Statistics Day	Webinar, Advances of Statistics and their Application	State	29-06-2021	96

- ❖ (Document required: brochure, report of the event, photos)

7.1.3 Describe a best practice of the department, if any (200 words)

As a part of College Ruby Jubilee celebration, Department of Mathematics and Quiz club organized an aptitude test for competitive exams-“ERUDITE”. There are 135 students from various department registered for this test. Test was conducted on first and third Sunday of every month in odd semester through Google Classroom. Also we conducted alumni interaction sessions . The first session was held on 18th July 2021 at 10 am via Google meet. Our alumni for this session was Ms. Sneha Sojan, Beat Forest Officer, Pariyaram Range, Chalakudy. She is our 2013 UG batch member. The session was so interesting and inspirational for students. UG and PG students of the Mathematics Department participated in this session. We are planning to continue this programme for the coming years.

❖ (Attach relevant documents)

NOTE:

A) The documents mentioned under each metrics should be submitted as **Annexure VII**. Each document should be numbered as per the metrics for ease of identification (e.g., 7.1.1a)

B) Two photographs, of which one is geotagged, should be attached where ever it is asked for submission.

Any other Achievement of the Department? Give details.



Dr. Jismy Joseph
Assistant Professor & Head
Department of Mathematics
Carmel College, Mala
Thrissur - 680732

Name

Signature

Head of the Department