

20-21:

1. Programme code (as found in the university syllabus): MATHEMATICS

2. Name of the Programme with date of commencement:

B.Sc Maths : 1993-94;

M. Sc Mathematics : 2012-13

3. Year of establishment : 1993

4. Papers Offered for study: As per CU syllabus.

5. Details of Courses Offered: B. Sc and M. Sc mathematics

6. Number of teachers recognized as research guides : 0

7. Total number of full time teachers : 6

8. Asst prof, : 6 (Smt. Shabna A M, Smt. Sujisha M K, Smt. Najmah A R, Smt. Sophiya S Dharan, Sri. Sajeesh Kumar V K, Smt. Diviya A V)

Assoct.prof : 0

With PhD : 0

With NET : 6

9. Research projects funded by government and non government agencies during the year : Nil

10. Detailed report of activities conducted by the department: NIL

11. Participation in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year

- Academic council/BoS of Affiliating University : NIL
- Setting of question papers for UG/PG programs : Ms. Sophiya S Dharan prepared Q.P for Third semester PG examination ,St.Joseph's College Devagiri (Autonomous)
- Design and Development of Curriculum for Add on/certificate/Diploma Courses Assessment/evaluation process of the affiliating University : NIL
- Number of teachers participated :
- Name of the body in which fulltime teacher participated :
- Total number of teachers :

12. Names of the Add on/Certificate programs with 30 or more contact hours: NIL

13. Courses that include experiential learning through project work/ fieldwork/ internship during the year

- Name of the Course : B. Sc and M. Sc (Project Work compulsory)

- Details of experiential learning through project work/ fieldwork/ internship : Project work in new innovative areas of Mathematics
- Name of the Programme : B. Sc and M. Sc Mathematics
- Number of students undertaking project work/fieldwork/internships: BSc-41 and MSc-19

11. How does the dept. assess the learning levels of the students and organize special Programmes for advanced learners and slow learners:

By conducting internal Exams, Seminars presentation, Assignments and conducting Vivas at various levels in online mode.

12. Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences:

Assignments, Seminars, Viva , Project work etc are given.

13. *ICT enabled tools for effective teaching-learning process used.*

Projects done using open typing software LATEX. Computer Science as the complementary subject in the B. Sc programme.

14. *Number of fulltime teachers*

with Ph.D./D.M./M.Ch./D.N.B Superspeciality/D.Sc./D.Litt. during the year: 0

15. *Number of guest teachers: 1(Ruksanath M)*

16. *Mechanism of internal assessment of the Dept.*

Conducts internal exams at least 3 times in a semester. Assignments of various levels are given to students and time bound submission is instructed. All students are given seminars based on their capacity.

17. *Mechanism to deal with internal examination related grievances:*

Department has an internal redressal committee headed by HOD. Student can approach the committee directly. Committee will resolve the issue.

18. *How does the Dept. evaluate the Programme outcomes and course outcomes and ensure their attainment:*

Internal question papers are prepared based on COs in the syllabus.

19. *Total number of final year students(UG) who passed the university examination during the year : 36*

- **Total number of final year students who appeared for the university examination during the year: 41**
- **Pass percentage : 87.8**

M. Sc:

Appeared : 19

Passed : 17

Pass Percentage: 89.5

20. Number of workshops/seminars conducted: NIL

22. How many teachers have registered for Ph.D: Nil

23. If Guide : NIL

24. Number of research papers per teachers in the Journals notified on UGC website during the year: NIL

25. Total number of books and chapters in edited volume/books published and papers in national/international conference proceedings year wise during year: NIL

26. Extension activities and outreach Programmes conducted with industry, community & Awards and recognition received for extension activities : NIL

27. Collaborative activities for research, Faculty exchange, Student exchange/internship year wise during the year: NIL

28. MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. NIL

29. Capacity building and skills enhancement initiatives taken by the institution include the following:

Lifeskills (Yoga, physical fitness, health and hygiene)

ICT/computing skills : Projects done using mathematics typing software LATEX.

Computer Science as the complementary subject in the B. Sc programme.

31. Number of placement of outgoing students during the year : NIL

- Name of the employer with contact details
- Number of students placed

32. Number of students progressing to higher education during the year: 30(UG-21+PG 9)

33. Number of students qualifying in state/ national/ international level : examinations JAM/CLAT/NET/ SLET/ GATE/GMAT/CAT/GRE/ TOEFL/Civil Services/State government examinations : 1(NET)

34. Number of students appearing in state/ national/ international level examinations(eg:JAM/CLAT/NET/SLET/GATE/GMAT/CAT,GRE/TOFEL/Civil Services/State government examinations)

NET: 1

35. Faculty participation/presentation of papers in Seminars/workshops:

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Faculty Name	Name of the course	Duration and Date	Name of the Centre conducting the Course	Sponsoring Agency
Sujisha M K	Neo-Liberal Policies and the Failure if India	1 day, 20-03-2021	Hassan Marakkar Hall, Trivandrum	AKGCTE
Najmah A R	Webinar On ‘ plan your Research Effectively using Scopus & Science Direct’	1 day, 29-05-2020	Univerity of Jammu	ELSEVIER
	Faculty development programme on “Mathematics for Data Science”	5 days, 10-14 August 2020	Muthoot Institute of Technology and Science, Varikoli	
	One Week e-Workshop on “Research and Publication Ethics”	17-22 August 2020	MES Mampad College (Autonomous) .	MES
	Three day Online National Lecture Series	19-21 August 2020.	Mar Thoma College Tiruvalla	Kerala Mathematical Association
	International Web Conference on “Signed Graphs and Allied Areas”	3 days, 7-9 Decembe r 2020.	Central University of Kerala,	
Sophiya S Dharan	MOOC course at Swayam – Essential Mathematics for Machine Learning	14-09-2020 to 06-11-2020	IIT Roorkee	NPTEL-AICTE
	One week FDP on “Academic Writing”	18-02-2021 to 24-02-2021	Teaching Learning Centre, Ramanujan College, University of Delhi	PMMMNTT, MHRD
	One week online Lecture series “ Maths for all”	12-10-2020 to 17-10-2020	NSS College, Vazhoor	NSS College, Vazhoor
	National Webinar on Some topics in	14-09-2020	Dept. Of Mathematics, St. Aloysius College	St. Aloysius College Edathua

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	functional analysis		Edathua	
	International Webinar on Applications of Partial Differential Equations and recent trends in Mathematics	18-09-2020	Dept. Of Mathematics, St. Dominics College Kanjirappalli	Dept. Of Mathematics, St. Dominics College Kanjirappalli
	National webinar on “An introduction to Mathematical Control Theory”	21-09-2020	Dept. Of Mathematics, St. George College Aruvithara	St. George College Aruvithara
Sajeesh Kumar V K	Two weeks MOOC course on “Online Learning and Content Development”	18-04-20 to 2-5-20	Flair Kerala	Directorate of Collegiate Education
	Two weeks FDP “Managing Online Classes and co-creating MOOCS 3.0”	25-07-20 to 10-08-20	Teaching Learning Centre, Ramanujan College, University of Delhi	Teaching Learning Centre, Ramanujan College, University of Delhi
	Webinar on “Effective use of OpenBroadcaster software for recording your screen”	17-10-20	KKTM Govt. College, Pullut	IQAC, KKTM Govt. College, Pullut
	Webinar on “An Introduction to Mathematical Control Theory”	21-10-20	St. George’s College Aruvithura	PG Dept. of Mathematics, St. George’s College Aruvithura
Diviya A V	Webinar on “Applications of partial differential equations and recent trends in Mathematics”	18-08-2020	St. Dominic’s College Kanjirapally	PG Department of Mathematics, St. Dominic’s College Kanjirapally
	Webinar on “An introduction to Mathematical control Theory”	21-08-2020	St. George’s College Aruvithura	PG Department of Mathematics, St. George’s College Aruvithura
	One week online Lecture Series “Maths for All”	12-10-2020 to 17-10-2020	SreeVidyadhi Raja NSS College, Vazhoor, Kottayam.	PG Department of Mathematics, Sree Vidyadhi Raja NSS College, Vazhoor, Kottayam
	Webinar on	24-10-	KorambayilAhamed Haji	Department of

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	“Keraleeya Ganithathinte Adiverukal”	2020	Memorial Unity Women’s College, Malappuram.	Mathematics and Department of History. Korambayil Ahamed Haji Memorial Unity Women’s College, Malappuram.
	Six days Virtual “Science Academies” Lecture workshop on Linear Transformations, Matrices and their Applications-2020	02-11-2020 to 07-11-2020	Department of Mathematics S.V.U College of Science	Department of Mathematics S.V.U College of Science, S.V University, Tirupati
	Webinar on “Artificial Intelligence Myths & Realities”	29-11-2020	Career Development Centre Perambra, Kozhikode	Maths Aspirants WhatsApp Groups and Career Development Centre Perambra, Kozhikode
	Five days Faculty Development Programme on latex	16-11-20 to 20-11-20	Mercy College Pallipuram, Palakkad	Mercy College Pallipuram, in collaboration with Spoken Tutorial Project, IIT Bombay.
	Virtual work shop on “Scientific Documentation Through Latex”	27-02-2021	Government College for Women, Kumbakonam	PG & Research Department of Physics, Government College for Women, Kumbakonam.
	National Seminar on “Neo-Liberal Policies and the Future of India”	20-03-2021	Hassan Marakkar Hall, Thiruvananthapuram	Association of Kerala Government College Teachers
	2. Webinar on “An introduction to Mathematical control Theory”	16-11-20 to 20-11-20	Mercy college Pallipuram	Mercy college Pallipuram in collaboration with spoken tutorial project, IIT Bombay
	Two week online	12-01-	Bhishop Moor College	Bhishop Moor

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	FDP on media & art in teaching and learning	2021 to 15-01-2021	Mavelikkara	College Mavelikkara in collaboration with Guru Angad dev Teaching learning center under PMMMMNMTT & St Johns College Agra

36. Faculty participation in Refresher/Orientation/Short term courses:

Sl.No	Faculty Name	Period of the course	Name of Course	No.of Days	Conducting Authority
1	Sujisha M K	12-01-2021 to 25-01-2021	Refresher Course	14 days	MHRD, SGTB Khasa College, University of Delhi
		26-02-2021 to 04-03-2021	Short term Course in Disaster Management	7 days	HRDC, Calicut University
	Najmah A R	16-03-2021 to 30-03-2021	Two week Refresher course in Mathematics	15 days	Dept. Of Mathematics, Ramanujan College, University of Delhi, PMMMMNMTT, MHRD
	Sophia S Dharan	16-03-2021 to 30-03-2021	Two week Refresher course in Mathematics	15 days	Dept. Of Mathematics, Ramanujan College, University of Delhi, PMMMMNMTT, MHRD
	Diviya A V	16-03-2021 to 30-03-2021	Two weeks Refresher course in Mathematics	15 days	Dept. Of Mathematics, Ramanujan College, University of Delhi, PMMMMNMTT, MHRD