

17-18:

- 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(Smt.Suisha MK, Shabana AM, Najmah AR, Sajeesh Kumar, Sophia S Dharan, M. Mohammed Abdul Kayoom)**

Asst prof,	:	6
Assoct.prof	:	0
With PhD	:	0
With NET	:	6

- 8. Research projects funded by government and non government agencies during the year** : **Nil**

- 9. Detailed report of activities conducted by the department**
 - 1.PTA meeting Conducted.**
 - 2. Two day National Seminar on “Recent Trends in Latex” Coordinator: Sri. Sajeesh Kumar VK (24-11-2017 to 25-11-2017)**

- 10. 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 : NIL
 - Design and Development of Curriculum for Add on/certificate/Diploma Courses Assessment/evaluation process of the affiliating University : NIL

 - Number of teachers participated : NIL
 - Name of the body in which fulltime teacher participated : NIL
 - Total number of teachers : NIL

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

- 12. 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: UG: 29, PG:20

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, Assignments and conducting Vivas at various levels. Tutorial system is also implemented. Scholar support Programme(SSP) is implemented. Walk with a scholar programme(WWS) for advanced learners.

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 Application 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 (Sri. Ajeesh T T)

16. Mechanism of internal assessment of the Dept.

Conducts internal exams at least 2 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 : 27

- **Total number of final year UG students who appeared for the university**

examination during the year: 29

- Pass percentage : 93.1

M. Sc:

Appeared : 20

Passed : 18

Pass Percentage: 90

20. Number of workshops/seminars conducted:

Provide details of the following:

1. Name : Two day National Seminar on “Recent Trends in Latex”
Coridnator: Sri. Sajeesh Kumar VK
National/International : National
Funding Agency : Directorate of collegiate Education
Duration : 24-11-2017 to 25-11-2017
Number of Participants : 65
Amount sanctioned : Rs 65000/-

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: 1(Mohammed Abdul Khayyoom M)

1. M. Mohammed Abdul Khayyoom and P Arul paul Sudhahar, Connected Detour Monophonic Domination Number of a Graph. Global Journal of Pure and applied Mathematics(ISSN:0973-1768), Vol 13[5],241-249(2017)

2. M. Mohammed Abdul Khayyoom and P Arul paul Sudhahar, Monophonic Chromatic Parameter in a connected Graph, International Journal of Mathematical analysis(ISSN: 1314-7579), Vol. 11 [19],911-920 (2017)

25. Total number of books and chapters in edited volume/books published and papersinnational/ international conference proceedings yearwise during year

:Nil

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

1. *ICT/computing skills : Project works done using open software LATEX. Computer science as their one complementary subject.*

30. Mechanism for timely redressal of student grievances at the Dept. level:

1. Implementation of guidelines of statutory/regulatory bodies
2. Organization wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students 'grievances
4. Timely redressal of the grievances through appropriate committees

31. Number of placement of outgoing students during the year : 0

32. Number of students progressing to higher education during the year : 16 (UG 6+PG 10)

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 :

Qualifying Examination	No.of Students qualifying
SET	4
NET	1
K-TET Category 3	8
K-TET Category 2	4
C-TET	1

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

Qualifying Examination	No.of Students appeared
SET	6
K-TET Category 2	8
K-TET Category 3	8
NET	4
CTET	1

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

Faculty Name	Name of the course	Duration and Date	Name of the Centre conducting the Course	Sponsoring Agency
Shabna A M	Science Academies Lecture workshop on Harmonic Analysis	1 day, 06-12-2017	S S College Areacode	Indian Academy of Sciences
Shabna A M	Refresher Course for College Teachers in Kerala State – Topics in Functional Analysis	4 days, 11-01-2018 to 14-01-2018	Kerala School of Mathematics	KSCSTE
Sujisha M K	Two day National Seminar on “Operators and Matrices”	2 days, 02-11-2017 to 03-11-2017	Dept of Mathematics, Govt. Victoria College Palakkad	Directorate of Collegiate Education
Sujisha M K	Theory of Operators and Frames	2 days, 09-11-2017 to 10-11-2017	Dept of Mathematics, BJM Govt. College Chavara	Directorate of Collegiate Education
Sujisha M K	5 day workshop on Mathematical & Statistical Computations using R & Python	5 days, 04-12-2017 to 08-12-2017	Govt. Arts & Science College, Kozhikode	Directorate of Collegiate Education

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Sujisha M K	Three Day workshop on Mathematical Analysis	3 days, 04-01-2018 to 06-01-2018	Dept of Mathematics, CKG Govt. College Perambra	Directorate of Collegiate Education
Najmah A R	Theory of Operators and Frames	2 days, 09-11-2017 to 10-11-2017	Dept of Mathematics, BJM Govt. College Chavara	Directorate of Collegiate Education
Najmah A R	5 day workshop on Mathematical & Statistical Computations using R & Python	5 days, 04-12-2017 to 08-12-2017	Govt. Arts & Science College, Kozhikode	Directorate of Collegiate Education
Najmah A R	Seminar on R Programming and Geogebra	2 days, 04-01-2018 to 05-01-2018	Govt. College Kottayam	Directorate of Collegiate Education
Sajeesh Kumar V K	Two day residential training camp for National Service Scheme Programme Officers	20-11-2017 to 21-11-2017	National Service Scheme, University of Calicut	National Service Scheme, University of Calicut
Sajeesh Kumar V K	Workshop- Mathematical and Statistical Computations using R and Python	04-12-2017 to 08-12-2017	Govt. Arts and science college Meenchanda	<i>M Mohammed Abdul Khayyoom</i>
Sajeesh Kumar V K	Seminar on R Programming and Geogebra	04-01-2018 to 05-01-2018	Govt. College Kottayam	Directorate of Collegiate Education
Sajeesh Kumar V K	Training-Orientation Training Programme for NSS Programme Officers	17-01-2018 to 23-01-2018	ETI, Rajagiri College of Social Sciences	Ministry of Youth Affairs & Sports, Govt. Of India
Sajeesh Kumar V K	Training – Capacity	07-02-2018 to	IMG Thiruvananthapuram	IMG Thiruvananthapuram

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	building programme for Asst. Professors in Collegiate Education Department	09-02-2018		
Mohammed Kayyoom M	Workshop on Mathematical and Statistical Computations using R and python	04-12-2017 to 08-12-2017	Govt. Arts and Science College,Kozhikode	Directorate of Collegiate Education
	National Seminar on Theory of Operators and Frames	09-11-2017 to 10-11-2017	Govt. College Chavara, Kollam	Directorate of Collegiate Education
	A paper titled Psychometrics presented in “National Seminar on Mathematics	16-01-2018 to 17-01-2018	Mahathma Gandhi College ,Iritty,Kannur	
	Chaired a session in Our Constitution,The Corner Stone of Life	29-01-2018	Govt. College Mokeri	

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	Najmah A R	01-03-2018 to 21-03-2018	Refresher Course in Mathematical Sciences	21 days	UGC-HRDC, ASC, Kannur University
2	Sophia S Dharan	01-03-2018 to 21-03-2018	Refresher Course in Mathematical Sciences	21 days	UGC-HRDC, ASC, Kannur University
3	Sajeesh Kumar VK	17-01-2018 to 23-01-2018	Orientation Programme for NSS Programme Officers	7 days	ETI, Rajagiri College of Social Sciences , Sponsored by Ministry of Youth Affairs

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					& Sports, Govt. Of India
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Placed Later:

Sl No	Student Name	Designation	Name of the employer	Contact details of Employer
1	Aswathy E P	Assistant Branch Post Master, Kappad BO	Ministry of communications, Dept. of Post, India	
2	Shahid Ramzan PP	Subject Expert in Mathematics	Xylem	xylemlarningapp@gmail.com
3	Vyshnavi K T	Statistical Investigator-Grade II	Kerala Govt. Economics and Statistics	
4	Amit Mohan	Railway Group (D)Track Maintainer IV	South Central railway	ssepwottr@gmail.com
5	Aswini Ashok	Medical Coding Analyst	Sundew Properties LTD., Special Economic Zone	krsec@kraheja.com
6	Aswini T K	GDS Assistant Branch Post Master, Chombala SO	Ministry of communications, Dept. of Post, India	0496-2502040
7	Athulya M C	Registered Pharmacist		
8	Jibin K P	Railway Group (D)Track Maintainer IV	South Central railway	ssepwottr@gmail.com
9	Sharbina T A	HSST Mathematics	Ansar Educational Institutions, Memunda	
10	Shilpa P M	Probationary Officer	Union Bank of India, Mumbai	22629487, 22629460
11	Vishnu E	Asst. (Loco Shed/Diesel) in Pay Matrix level 1	RRC/Chennai in Mechl-Dsl Dept. of Salem Division, Southern	

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