

21-22:

- 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 : 5**
- 8. Asst prof,** : **5 (Smt. Sujisha M K, Smt. Najmah A R, Sri. Sajeesh Kumar V K, Smt. Deepa V, Smt. Diviya A V)**

Assoct.prof	:	0
With PhD	:	0
With NET	:	5

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

- 10. Detailed report of activities conducted by the department**
 1. National Mathematics Day Celebration on 21 and 22 December 2021.
(Puzzle Solving+ Film Show+ Treasure Hunt using Math Puzzles+ Flash mob + Open Quiz + Exhibition)
 2. Pi Day Celebration on March 14 (Flash Mob+ Puzzle + Film Show + Poster Making+ Quiz Competition)
 3. UG – PG Toppers Prize Distribution on 21-12-21 and congratulating the NET Holder Smt. Ruksanath K.
 4. PTA meeting for UG : UG Fifth Sem: 12-1-22
UG First Sem Year: 6-3-22
UG Third Sem 12-1-22
2nd, 4th and 6th : 10-3-22

- 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: NIL**
- 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: 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. .

For slow learners, we conduct more exams for them till they reach the bench mark and while giving seminars, we are very keen to the selection of topic. Individual care will be given by the Tutors. Whenever demanded, remedial coaching is also given. Video classes are provided in common, which they can use for their study.

For advanced learners, seminars of high standards were given. They are also advised to join free online NET and GATE coaching group “Math Aspirants”, a successful free coaching group, organized by Dr. Vinod Kumar, Associate Professor of Mathematics, Govt. College Tirur. Assignments also of high standard.

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

: Student-centric methods are adopted for problem solving Further projects and seminars were given for their deeper understanding of the subject. Participative learning methods are also adopted. Online teaching methods are continued for solving deeper knowledge and for doubt clearance session in the off days. Projects were typed using open math software Latex. Geogebra is also used for graphing purpose.

14. 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 K K)

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 : 38**

- **Total number of final year students who appeared for the university examination during the year: 41**
- **Pass percentage : 92.7**

M. Sc:

Appeared : 20

Passed : 14

Pass Percentage: 70

20. Number of workshops/seminars conducted:

Provide details of the following:

1. Name : National Webinar Series Philomathia
2. National/International : National
3. Funding Agency : Own Fund
4. Duration : 4 Days with 1.5 lecture hours each day.
5. Number of Participants : Around 80 participants

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 if any: Nil

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- Name of the activity : Extension
- Name of the scheme : Bridge Course (for Complementary Mathematics students)
- Year of the activity : 2021-22
- Number of teachers participating in such activities : 1
- Number of students participating in such activities : 18

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. Lifeskills (Yoga, physical fitness, health and hygiene) : NIL
2. ICT/computing skills : Projects done using mathematics typing software LATEX. Computer Science as the complementary subject in the B. Sc programme.

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 : NIL

32. Number of students progressing to higher education during the year: 27(UG 20+ PG 7)

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 : NIL

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

NET: 6

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
Najmah A R	National Workshop on Research Methodology	6 days,19-04-2021 to 24-04-2021	Queen's College of Arts& Science for Women, Tamil Nadu.	Own Fund
Najmah A R	International webinar	2 Days, 17 & 24 July 2021.	Dr.B R Ambedkar Memorial Govt. College, Balussery	DCE
Sajeesh Kumar V K	National Seminar on "A Political Approach to National Education Policy"	19th March 2022	Samudra Community Hall,Kozhikode	Association of Kerala Government College Teachers
Diviya AV	National Seminar on "A Political	19th March 2022	Samudra Community Hall,Kozhikode	Association of Kerala Government

	Approach to National Education Policy”			College Teachers
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36. Faculty participation in Refresher/Orientation/Short term courses: NIL