# Department of Mathematics

1. Name of the department : Department of Mathematics (PG)

2. Year of Establishment: 2013

3. Names of Programmes / Courses offered (UG, PG, M. Phil., Ph.D., Integrate Masters;   Integrated Ph.D., etc.) :

| Courses | PG |
|---|---|
| Year of Establishment | 2013 |

4. Names of Interdisciplinary courses and the departments/units involved:

   Botany, Zoology and Economics.

5. Annual/ semester/choice based credit system (programme wise):

| Courses | Pattern |
|---|---|
| UG | |
| PG | Semester |

6. Participation of  the department in the courses offered by other departments:

7. Courses in collaboration with other universities, industries, foreign Institutions, etc. :

8. Details of courses/programs discontinued (if any) with reasons: Nil

9. Number of teaching posts:

| Posts | Sanctioned | Filled |
|---|---|---|
| Professors | - | - |
| Associate Professors | - | - |
| Assistant Professors | | |

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,):

| Name of the faculty | Qualification | Designation | Specialization | No.of years of Experience | No. of Ph.D. students Guided for the last 4 years |
|---|---|---|---|---|---|
| Prof Sanjeev S Kustagi | Msc B.ED | Guest Faculty | | 6 Years | |
| Prof Fatima I Kundarpi | Msc B.ED | Guest Faculty | | 6 Years | |
| Prof Varsha Hebballi | Msc B.ED | Guest Faculty | | 4 Years | |
| Prof Geeta N Byati | Msc B.ED | Guest Faculty | | 2 Years | |
| Prof Shweta Gadagin | Msc B.ED | Guest Faculty | | 2 Years | |

11. List of senior visiting faculty: 01

12. Percentage of lectures delivered and practical classes handled (programme wise) by Temporary faculty:

13. Student –Teacher Ratio (programme wise):

| Year | Programme | Teacher | Students | Ratio (Student–Teacher Ratio) |
|---|---|---|---|---|
| 2017-18 | PG | 06 | 67 | 11:1 |
| 2018-19 | PG | 05 | 69 | 14:1 |
| 2019-20 | PG | 05 | 67 | 13:1 |
| 2020-21 | PG | 05 | 81 | 16:1 |
| 2021-22 | PG | 05 | 98 | 20:1 |

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

| | Sanctioned | Filled |
|---|---|---|
| **Lab Attender** | – | – |

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG:

| Qualifications | Ph. D. | M.Phil. | PG |
|---|---|---|---|
| Number of Permanent faculty | | | |
| Number of Temporary faculty | – | – | 05 |

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:

18. Research Centre /facility recognized by the University: Nil

19. Publications:

### a) Publication per faculty

| Name of Faculty | No. of Papers published in peer reviewed Journals | | | Publication of Books |
|---|---|---|---|---|
| | **International** | **National** | **Proceeding** | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Total | | | | |

### b) Other Publication by Faculty:

| Name of Faculty | No. of Paper Presented on Conference / Workshop / Seminar, | No. of Conference /Workshop /Seminar,etc.attended | Books/ journals edited | Books with ISBN/ISSN number |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Total | | | | |

**Dr./Prof :**

| Sl.No. | Title of the Books | Universities |
|--------|--------------------|--------------|
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20. Areas of consultancy and income generated: Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Board:

Editorial Board: Nil

22. Student projects:

  a) Percentage of students who have done in-house projects including inter departmental/programme**:** Nil

  b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards/ Recognitions received by faculty and students**:**

**By faculty:**

| Sl.No. | Name | Awards | University | Title of the Thesis | Year |
|--------|------|--------|------------|---------------------|------|
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**By Students:**

| Sl.No. | Name of the Students | Awards | | Year |
|--------|----------------------|--------|---|------|
| | | **GOLD MEDALIST** | | |
|  |  |  | |  |
|  |  |  | |  |
|  |  |  | |  |
| | | **RANK HOLDERS** | | |
|  |  |  | |  |
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|  |  |  | |  |

**24. List of eminent academicians and scientists/ visitors to the department:**

| Sl. No. | Name of Eminent Academicians and Scientists | Designation | |
|---------|--------------------------------------------|-------------|---|
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|  |  |  | |
|  |  |  | |

**25. Seminars/ Conferences/Workshops organized & the source of funding:**

  **a) National Level Seminar        : 02**

| Sl.No. | UGC Sanction & Date | Name of Activity | Amount Sanctioned | Title of the Seminar | Date of the Organized |
|--------|---------------------|------------------|-------------------|----------------------|------------------------|
|  |  |  |  |  |  |
|  |  |  |  |  |  |

  b) Inter National Level Seminar :Nil

26. Student profile programme /course wise:

| Year | Name of the Course/programme | Applications received | Selected | Enrolled | | Pass percentage |
| --- | --- | --- | --- | --- | --- | --- |
| | | | | Male | Female | |
| 2017 -18 | M.Sc I&II Sem | 50 | 27 | 08 | 19 | 78.57% |
| | M.Sc III&IV sem | 50 | 40 | 08 | 32 | 85% |
| 2018 -19 | M.Sc I&II Sem | 50 | 43 | 09 | 34 | 41.05% |
| | M.Sc III&IV sem | 50 | 26 | 08 | 18 | 65.38% |
| 2019 -20 | M.Sc I&II Sem | 50 | 34 | 10 | 24 | 74.23% |
| | M.Sc III&IV sem | 50 | 33 | 05 | 28 | 89.35% |
| 2020 -21 | M.Sc I&II Sem | 50 | 49 | 10 | 39 | 88.5% |
| | M.Sc III&IV sem | 50 | 32 | 08 | 24 | 84.37% |
| 2021 -22 | M.Sc I&II Sem | 50 | 50 | 12 | 38 | |
| | M.Sc III&IV sem | 50 | 48 | 09 | 39 | 86.25% |

27. Diversity of Students:     2017-18 to 2021-22

| Name of the Course | % of students from the same state | % of students from the other state | % of students from the abroad |
| --- | --- | --- | --- |
| PG | 100 % | 0 % | 0% |

**28. How many students have cleared National and State competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?**

| NET | SET | GATE | Defense Services | Civil services | KPSC | Any other |
| --- | --- | --- | --- | --- | --- | --- |
| - | 01 | - | - | - | 01 | 02 |

**29. Student progression:**

| Student progression | Against % enrolled (2015-16) |
|---|---|
| UG to PG | |
| UG to B.Ed | |
| PG to M.Phil | |
| PG to Ph.D | |
| PG to Post- Doctoral | |
| Employed:    Campus selection<br>            Other than campus recruitment | |
| Entrepreneurship/Self-employment | **80%** |

**30. Details of Infrastructural facilities:**

| Sl.No | Infrastructural facilities | Status | Nos. |
|---|---|---|---|
| 1 | College Library | Books: | 250 |
| | | Journal: | – |
| | | Reference Book: | |
| | | Any other reading materials: Related to KSET and NET | 20 |
| 2 | Internet facilities for staff & student | No. of Computer: | 14 |
| | | No. of Computer with Internet facility | 01 |
| 3 | Class room with ICT facilities | No. of class room with capacity: | 02 |
| | | No. of LCD: | |
| | | No. of OHP: | 02 |
| | | No. of Printer: | 01 |
| 4 | Laboratories | No. of Lab : | 01 |
| | | Capacity of each lab. | 15 |
| 5 | Other | - | - |

31. Number of students receiving financial assistance from college, university,government  or other agencies:

An average of    students get financial assistance from Central /State Government agencies  in  the form of Scholarship / Freeship

32. Details on student enrichment programmers (special lectures / workshops /seminar/ educational tour/ industrial visit/Field work etc.) With external experts: Special lectures for student enrichment programme:

## VISITING PROGRAMMES AND FIELD WORK:

The department organizes varies visiting programmes/field work:

| Sl. No. | Visited places/Field Work | Year |
|---|---|---|
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| Sl.No. | Name | College/Institute / department | Topic |
|--------|------|-------------------------------|-------|
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|        |      |                               |       |
|        |      |                               |       |
|        |      |                               |       |
|        |      |                               |       |

## 33. Teaching methods adopted to improve student learning:

- LCD Projectors
- OHP
- Charts and Models
- Discussion
- Seminar
- Home assignment
- Class test

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Our department students visited the school of disable students on account of birth day celebration of our beloved president Dr.B.F.Dandin's in coordination with college NSS units,and provide the equipment and necessary goods to enable them to per sue their education.
- Blood donation camp in coordination with college red-cross unit.
- Solid waste management Awareness programme.
- Water conservation Awareness programme.
- Participated in world earth day, Environmental day & Ozone day Celebration.
- Tree Plantation Programme

35. SWOT analysis of the department and Future plans:

**Strengths:**

- Qualified and adequate faculty.
- Strong research output in terms of text book publication, paper publications and presentations.
- Department has good number of books in the college library.
- Good learning and infrastructure facilities
- Department conducts special lecturer to the students
- Consistently excellent result
- Selection of students in renowned institutes

**Weakness:**
- Majority of the students are from rural and economically challenged background.
- Lack of communication skills and lack of risk taking attitude

**Opportunities:**
- Placement facility for graduates in various professions.
- 35 % weightage of syllabus of KPSC, UPSC and some other competitive examinations.

**Future plans /vision of department**
- Plan to introduce P.G course in Geography.
- Plan to start the IAS/KAS/KES coaching classes in Geography
- Environmental Awareness Programmes (Water Conservation, soil degradation, Solid Waste Management, Organic farming, Pollution etc)
- To Conduct seminars and work-shops which relatively helps students and public.