

DEPARTMENT OF MATHEMATICS

1. **Name of the Department** : MATHEMATICS AND STATISTICS
2. **Year of Establishment** : 1970
3. **Names of Programmes/Courses offered (U.G., P.G., M.Phil.,Ph.D.)** : UG-B.Sc.
4. **Names of Interdisciplinary courses and the departments/units involved- Nil**
5. **Annual/ semester/choice based credit system (programme wise)**
UG: Semester and credit system (60+40 and (80+20) CGPA Pattern
6. **Participation of the department in the courses offered by other departments: NA**
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.- NA**
8. **Details of courses/programmes discontinued (if any) with reasons- NA**
9. **Number of teaching posts**

Post	Sanctioned	Filled
Professor		
Associate Professor	02	02(Retired)
Assistant Professor	02	-
Others (CHB)	03	03

10. Faculty profile with name, qualification, designation, specialization

Name of faculty	Qualification	Designation	Specialization	Experience	No. of Ph.D. student guided
Shri R. B.Patel (Retired)	M.Sc. M.Phil	Asso. Professor	Algebra	33Yrs	-
Shri. C.M. Chaudhari (Retired)	M.Sc. M.Phil DCM	Asso. Professor	Algebra	32Yrs	-
Girase Suvarna	M.Sc.	CHB	Maths	1 year	-
Huma Ansari	M.Sc.	CHB	Maths	1 year	-
Pawara G.P.	M.Sc., SET	CHB	Maths	1 year	-

11. List of visiting faculty

Sr. No.	Name	Qualification	Specialization	Experience
1	Patil Dipak R	M.Sc.	Maths	10 years

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

UG: B. Sc. - 100 %

13. Student -Teacher Ratio (programme wise): UG: - 60:1

14. Number of academic support staff (technical) and administrative staff- Nil

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

No. of faculty members with Ph.D. = Nil

No. of faculty members with M. Phil. = 02

No. of faculty members with PG = 03

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

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

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

19. Publications:

Number of papers published in peer reviewed journals:

- International : 05
- National : Nil
- Monographs : Nil
- Editing Books : 04
- Books with ISBN : Nil
- Citation/ index : Nil

20. Areas of consultancy and income generated: Nil

21. Faculty as members in academic bodies: NA

22. Student projects

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

Pawara G. B. has cleared SET exam in November 2016.

24. List of eminent academicians and scientist / visitors to the department- NA

25. Seminars/ conferences/ workshops organized and the source of funding- Nil

26. Student profile programme/course wise:

Year	Name of the Course/ programme	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2011-12	F.Y.B.Sc.	100	96	50	46	70
	F.Y.B.Sc.(S)	30	30	21	09	55
	S.Y.B.Sc.	55	55	32	23	08
	T.Y.B.Sc.	07	07	05	02	57
	F.Y.B.Sc.	100	89	39	50	68

2012-13	F.Y.B.Sc.(S)	35	35	20	15	35
	S.Y.B.Sc.	65	65	42	23	70
	T.Y.B.Sc.	17	17	10	07	88
2013-14	F.Y.B.Sc.	67	67	34	43	65
	F.Y.B.Sc.(S)	53	53	27	38	65
	S.Y.B.Sc.	80	80	45	35	83
	T.Y.B.Sc.	32	32	22	10	84
2014-15	F.Y.B.Sc.	121	121	69	52	71
	F.Y.B.Sc.(S)	83	83	48	35	66
	S.Y.B.Sc.	60	60	34	26	85
	T.Y.B.Sc.	31	31	20	11	77
2015-16	F.Y.B.Sc.	125	118	58	60	63
	F.Y.B.Sc.(S)	76	76	51	25	55
	S.Y.B.Sc.	71	71	41	30	78
	T.Y.B.Sc.	27	27	14	13	70

27. Diversity of students:

Name of the course	% of students from the same state	% of students from other state	% of students from abroad
FYBSc	95	-	-
F.Y.B.Sc.(S)	64	-	-
SYBSc	59	-	-
TYBSc	32	-	-

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

Sr. No.	Year	Name of student	Exam qualified	Subject
1	2010			

29. Student progression

Student progression	Against % enrolled
UG to PG	65
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil

Employed • Campus selection • Other than campus recruitment	80
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities:

- **Library:** NA
- **Internet facility for staff and students:** Department is equipped with 10 computers. 10 Mbps internet connection is available for staff and students.
- **Class rooms with ICT facility:** No
- **Laboratories:** 01 laboratory is available for UG students.

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

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

- Seminars and Group discussion are regularly conducted for UG students.

33. Teaching methods adopted to improve student learning

- Traditional Lecture Method using chalk and talk.
- Regular evaluation of both theory and practical.
- Each teacher mentor takes care of 30 students and helps in their all round personality development.
- Interactive Method by conducting seminars, presentations and group discussions.
- Text book, Handouts, E-books and Question papers of previous examination are made available in department.

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

- In addition to regular academic activities, the students and the faculty frequently participate in the social activities and the programs organized by the college for the welfare of weaker section of the society.
- To promote environmental awareness, our department participated in “One Student- One Tree” campaign.
- All students participated in Swach Bharat Abhiyan.
- With NSS volunteers faculties have actively participated in various social activities viz. Environment Awareness, AIDS awareness and Blood Donation camps, save water drive, involvement in rallies against social evils.

35. SWOC analysis of the department and Future plans

Strengths:

- Demand ratio of students for Mathematics is high. Number of students seeking admission exceeds the number of seats available.
- Departmental activities organized to enrich programme.
- Research publications in international / national journals.
- Departmental library with reference books.

Weakness:

- Permament faculty is to be recruited soon
- The revised curriculum is overloaded with subjects.
- Lack of requisite number of trained Non-teaching staff.
- Time constraint in semester pattern.
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Opportunities:

- Participation in events, seminars.
- Exposure to expert perspectives and ideas through sessions and workshops.
- Coordinating with alumni regarding placements.

Challenges:

- To provide 100% campus placement.
- To encourage students to read national newspapers, magazines and promote reading habits.

Future plans of the department:

- To promote research activities.
- To adopt e-learning methods.
- To extend the knowledge of Mathematics and its application to the society.