

Evaluative Report of the Department 2014-15

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

1. Name of the department : **Mathematics**
2. Year of Establishment : **1 July 1971**
3. Names of Programmes / Courses offered : **UG**
(UG, PG, M.Phil., Ph.D., Integrated Masters;
Integrated Ph.D., etc.)
4. Names of Interdisciplinary courses and : **Nil**
the departments/units involved
5. Annual/ semester/choice based credit system : **Semester based**
(programme wise)

Class	Semester
B. Sc. I	Semester – I , Semester – II
B. Sc. II	Semester – III , Semester – IV
B. Sc. III	Semester – V , Semester – VI

6. Participation of the department in the courses : **Nil**
offered by other departments
7. Courses in collaboration with other universities, : **Nil**
industries, foreign institutions, etc.
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

Posts	Sanctioned	Filled
Professor	----	-----
Asso. Professor	----	-----
Assist. Professor	02	02

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
V. S. Bawane	M. Sc., M. Phil.	Assist. Prof.	General Relativity	21	Nil
Dr. R. S. Wadbude	M. Sc., Ph. D.	Assist. Prof.	Modern Algebra	10	Registered 00

11. List of senior visiting faculty : Nil
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : Nil

13. Student -Teacher Ratio (programme wise) :

Sr. No.	Class	Students	Student -Teacher Ratio
1	B. Sc-I Sem- I & II	130	130 : 2
2	B. Sc-II Sem- III & IV	116	116 : 2
3	B. Sc-III Sem- V & VI	107	107 : 2

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

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

Faculty	Qualification
V. S. Bawane	M. Sc., B.Ed., M. Phil.,
Dr. R. S. Wadbude	M. Sc., B.Ed., Ph. D.,

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : 01- Funded by **UGC**, grant received- **30,000/-**

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

Faculty	Agency	Project	total grants	grants received
Dr. R. S. Wadbude	UGC	Minor	30,000/-	10,000/-

18. Research Centre /facility recognized by the University : Yes **Dept. of Mathematics**

19. Publications:

- a) Publication per faculty Dr. R. S. Wadbude (Record of paper publication On last 05 year)

* Number of papers published in peer reviewed journals (national / international) by faculty and students

International : 04

Sr.No	Name of papers	Publication	ISSN No.
1	“Higher dimensional Bianchi Type –III Cosmological Modal s with Perfect Fluid and Dark Energy”	Prespacetime Vol-04 issue 07 p.p 714-724 2013	ISSN 2153-8301
02	Bulk Viscous Kantowski-Sachs Cosmological Modal with Time dependent Λ-term in GR	Multilogic in Science Issue-VIII Vol-03 Jan. 2014	ISSN 2277-7601.
03	‘Some Characterized Projective δ-cover’	IJEAS -Vol-02, 36-38 Issue 04-2015	2394-3661
04	“Strongly Pure- Periodic Modules and a	ISCA-2015 at Mumbai	

	structure of Strongly Pure Projective Resolutions”		
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* Number of publications listed in **International** Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) NA

- * Monographs : Nil
- * Chapter in Books : Nil
- * Books Edited : Nil
- * Books with ISBN/ISSN numbers with details of publishers : Nil
- * Citation Index
- * SNIP
- * SJR
- * Impact factor
- * h-index

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) **National committees** b) International Committees: **IMS - BHU. & ISCA**

c) Editorial Boards. Nil

22. Student projects

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

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

23. Awards/ Recognitions received by faculty and students

Name of the students	Year	Award
Ku. C.P. Wankhade	March-2015	SGB Amravati University Topper in Mathematics , and 4 th Merit

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

1) Dr. K. S. Adhav, Prof. & Head, PGTD of

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

a)National : Nil

b)International : Nil

26. Student profile programme/course wise: Nil

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
UG	98.03%	1.96%	Nil

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

29. Student progression

Student progression	Against % enrolled
UG to PG	47.22 %
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	Nil
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurship/Self-employment	Nil

30. Details of Infrastructural facilities

a) Library : **Central and Departmental Library**
 b) Internet facilities for Staff & Students : **Yes**
 c) Class rooms with ICT facility : **Yes, available in the college**
 d) Laboratories : **Nil**

31. Number of students receiving financial assistance from college, university, government or other agencies : **Yes, more than 80% students get financial assistance from State Government.**

32. Details on student enrichment programmes:

(special lectures / workshops / seminar) with external experts

External Expert	Institution	Programme	Year
1. Dr. K. S. Adhav	PGTD of Mathematics SGBAU Amravati	Inaugural Speech on Students Seminar Competition	2014
2. Dr. S. D. Katore	PGTD of Mathematics	Guest Lecture on Students	2014

33. Teaching methods adopted to : **Lecture Method, Class wise Seminars, chalk and improve student learning black board, used PPT , GD, Question-Answer Method etc.**

34. Participation in Institutional Social

Responsibility (ISR) and Extension activities: **Mr. V. S. Bawane is working as a H.O.D. of Mathematics**

35. SWOC analysis of the department and Future plans :

Strength

- Fulfilled, competent & qualified teaching Staff.
- Good Academic University Results.
- University Merits.
- Recognized Research guide in the Dept.

Weakness

- Consultancy

Opportunity

- Opportunity of teaching mathematics towards students from rural and backward area.

Challenges

- Increased Strengths of students in class.

Future plan

- To increase research work (Research Project and research papers).
- To write books.