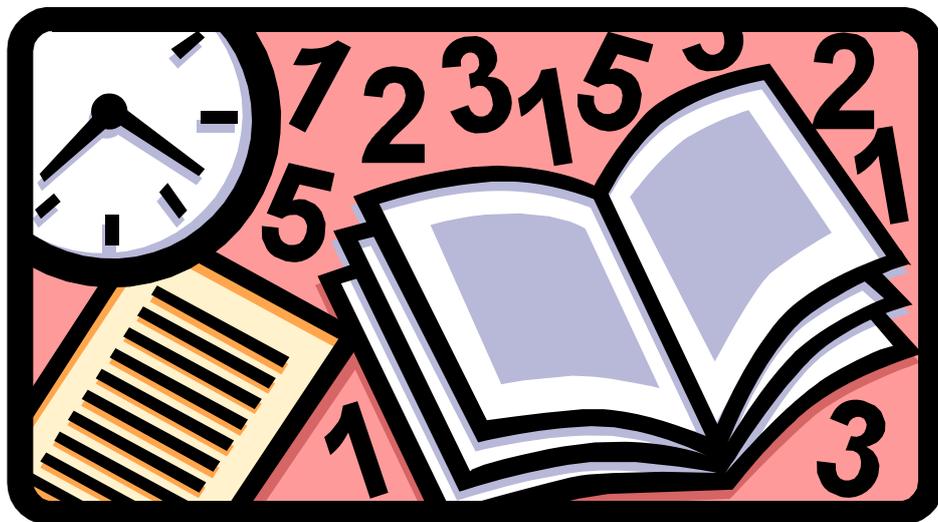


DEPARTMENT OF MATHEMATICS

DEPARTMENTAL PROFILE



S M M TOWN PG COLLEGE, BALLIA

Affiliated to

**MAHATMA GANDHI KASHI VIDYAPEETH,
VARANASI**

Evaluative Report of the Department Department of Mathematics

1. Faculty Profile –

Name & designation	Qualification	Specialization
1.Dr Bhagvat Prasad Reader and Head	M.Sc, Ph.D.	Manifolds

Dr Bhagawat Prasad is a highly active, young and agile worker of mathematics. He got his doctorate from B.H.U in Mathematics. Despite his professional career in UG department of a college located at a very small and remote place with extremely limited facilities, he never allowed these shortcomings to be a handicap for him and he got permission from University to develop his department as a Research Center. In his short research career of 16 years, he has published about **48** research papers in different national and international journals of repute and **07** others are under publication.. He is distinguished member of about nine Societies and has presented papers in **three international** and **two national** seminars and conferences. Five students have been awarded Ph.D. degrees under his able supervision one is enrolled.

2. Student Profile:

Most of the students admitted here are from eastern UP and western Bihar. They come mostly from socially and economically poor classes. However, they often exhibit good performance.

3.Changes in Courses:

The syllabus of Mathematics at under-graduate level was last revised in 2003-04 following the recommendations of UGC.

4.Success rate and drop out rate:

The department has maintained a good success rate of students, at about 70%. The drop out rate is almost negligible.

5.Learning Resources of the department:

For UG students, there is a central library in the institution that has sufficient number of text books (about 2200) and reference books (about 350) and many Encyclopedia etc..

6. Modern teaching methods: We practice classroom teaching

7. Academic and personal Counseling: The faculty takes keen interest in providing academic and personal counseling to our students.

8. Faculty development programmes: The faculty has attended one Orientation and two Refresher courses.

9. Participation in academic activities:

Teaching- The faculty is regularly involved in teaching, taking about 24 periods per week.

Research- Dr Bhagwat is actively involved in research as is evident from the faculty profile given above.

Other Academic Activities-

The faculty is routinely involved in other college activities, like proctorship, admission, examination, evaluation, etc. He has worked as member of University Flying Squad, Center Superintendent and Board of Studies.

10. Collaboration with other departments and institutions: none

11. Priority Areas of Research and Publications of last two years-

Priority Areas- Dr Bhagawat is mainly interested in different types of manifolds, like Kenmotsu manifold, Riemannian manifold, SP-Sasakian manifold, Quasi-Sasakian manifold etc.

Publications of past two years-

2007

1. Quasi concircular curvature tensor on a Riemannian manifold, News Bull. Cal. Math. Soc. Vol 30(1-3): 5-6 (With A. Mourya)
2. On a semi-symmetric metric of connection in an LP-sasakian manifold, reflections des ERA, vol2, (with HC Lal and Sanjay Misra)
3. Generalized Co-symplectic manifold of 2^{nd} class. Ultra Science. Vol19(3)M: 591-596 (with SP Gupta)

4. On a type of Normal contact Lorentzian metric manifold, Acta Ciencia Indica, Vol 23 (M)(1), 111-115 9with RS Yadav)

2008

5. asemi- symmetric non-metric K connection in a Kenmotsu manifold, J. rajasthan Acad. Phy. Sc. Vol7(1), 91-106 (with SP gupta)
6. A pseudo W4- curvature tensor on a Riemannian manifold, Acta Ciencia indica vol 24(M)(1), 357-360 (with S. narain and A. Mourya)
7. On a type of semi-symmetric connection on a Riemannian manifold, Bull. Cal. Math. Soc., Vol 100, 227-240 (with UC De and RK Verma)

Accepted for coming volumes- 08

12. Placement record of Students- We have a good placement record of students in different fields. Some of our alumni are listed below-

1. Dr virendra singh, reader in physics, TD College, Jaunpur
2. Dr Anchal Srivastava, reader in Physics, BHU
3. Sri Kailash chandra, IAS
4. Sri naveen Kumar Singh- Software engineer, TCS
5. Sri ram Govind Chaudhuri- Ex cabinet minister, UP state government

13. Plan of action of the department for the next five years:

The plan of action of the department in the coming years is to further improve the quality of teaching, develop a departmental library, expand our faculty, and to apply for PG course.