



Department of Mathematics

1. Year of Establishment:

UG-1995, PG - 2015

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

Under Graduate - Bachelor of Science, PG – Master of Science

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

Nil

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

UG-Annual, PG - SEMester

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

Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc.:

Nil

7. Details of courses/programmes discontinued (if any) with reasons:

Nil

8. Number of Teaching posts

	Sanctioned	Filled
Professor	00	-
Associate Professor	-	-
Assistant Professor	02	02

9. 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
Dr. S.D. Diwan	M.Sc., Ph.D.	Asst. Professor	Analysis	01 Year 08	-



				Months	
Smt. Nidhi Dewangan	M.Sc., M.Phil.	Asst. Professor	Cryptography	03 Year 06 Months	-

10. List of senior visiting faculty:

Nil

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

S. No.	Session / Year	Program	Total Lectures	Lecture taken by Regular Faculty	Lecture taken by Temporary Faculty	Percentage of Lecture delivered by Temporary Faculty
	2011-12	B.Sc.	792	0	0	0
	2012-13	B.Sc.	824	284	540	65.53
	2013-14	B.Sc.	804	712	0	0
	2014-15	B.Sc.	1200	1200	0	0
	2015-16	B.Sc.	1181	915	266	22.52
		M.Sc.	860	637	223	25.93
		Total	2041	1552	489	23.96

Faculty Members are regular

12. Student-Teacher Ratio (Programme wise):

S.No.	Session / Year	Program	Total Students	Total No. of Teachers			Student / Teacher Ratio		
				P	T	Total	P	T	Total
1.	2011-12	UG	87	0	1	1	0	87:1	87:1
2.	2012-13	UG	125	1	1	1	125:1 Joined on 24 Nov	125:1 Relived on 31 Dec	125:1
3.	2013-14	UG	132	1	0	1	132:1	0	132:1
4.	2014-15	UG	172	2	0	2	86:1	0	86:1
5.	2015-16	UG	150	2	1	3	75:1	150:1	50:1
		PG	20	2	1	3	10:1	20:1	20:3
		Total	170	2	1	3	85:1	170:1	170:3

P = Permanent Teachers, T = Temporary Teachers as Guest Lecturer (per period 400Rs. Or maximum 18400Rs in a month As per CGHED Directives against the Vacate regular A.P. Post) or Lecturer on contract basis (Fix 8000Rs. Per month through Jan Bhagidari Samiti of College)

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

Staff	Sanctioned	Filled
Lab technician	01	Nil
Lab Attendant	01	Nil

14. Qualifications of teaching faculty with D.Sc./D.Litt/Ph.D./ M.Phil/PG:



S. No.	Faculty Name	Qualifications				
		D.Litt.	Ph.D.	M.Phil.	P.G. with NET/SET	P.G.
1.	Mrs. Nidhi Dewangan	×	×	✓	×	✓
2-	Dr. S.D. Diwan Joined on 01 Oct 2014 Resigned on 2 Jul 2016	×	✓	×	×	✓

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

Nil

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

Nil

17. Research Centre/facility recognized by the University:

Nil

18. Publications:

* Publication per faculty:

Dr. Shailesh Dhar Diwan 09 (Joined on 01-10-2014 and Relived on 02-07-2016)

Smt. Nidhi Dewangan 01

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

S.N.	Faculty Name	National	International	Total
01	Dr. Shailesh Dhar Diwan	03	06	09
02	Smt. Nidhi Dewangan	-	01	01

* Number of publications listed in International Databases (For eg. Web of Science, Scopus, Humanities, International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.):

Nil

* 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

y. National committees:

z. International Committees:

aa. Editorial Board:

22. Student Projects

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

Nil

r. Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industries/Other agencies:

Nil

23. Award/Recognitions received by faculty and students

Nil



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

Nil

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

q. National:

Nil

r. International:

Nil

26. Student profile programme/course wise:

Bachelor of Science 1st Year

Session	Admitted Student	No. of Student Appeared In Exam	No. of Student Passed	No. of Students Failed	Percentage of Result
2011-12	0	49	16	25	32.65
2012-13	80	71	12	41	16.9
2013-14	80	73	44	17	60.27
2014-15	80	0	0	0	
2015-16	71	67	31	27	46.27

Bachelor of Science 2nd Year

Session	Admitted Student	No. of Student Appeared In Exam	No. of Student Passed	No. of Students Failed	Percentage of Result
2011-12	0	17	10	5	58.82
2012-13	32	30	10	6	33.33
2013-14	28	24	20	3	83.33
2014-15	63	0	0	0	
2015-16	45	40	26	10	65

Bachelor of Science 3rd Year

Session	Admitted Student	No. of Student Appeared In Exam	No. of Student Passed	No. of Students Failed	Percentage of Result
2011-12	0	12	9	0	75
2012-13	13	12	7	1	58.33
2013-14	24	24	18	2	75
2014-15	29	0	0	0	
2015-16	34	34	26	2	76.47

Master of Science 1st Semester



Session	Admitted Student	No. of Student Appeared In Exam	No. of Student Passed	No. of Students Failed	Percentage of Result
2015-16	20	20	16	0	80

Master of Science 2nd Semester

Session	Admitted Student	No. of Student Appeared In Exam	No. of Student Passed	No. of Students Failed	Percentage of Result
2015-16	20	19	18	0	94.74

Note :- Pass percentage is given after excluding the supplementary students.

27. Diversity of Students (2015-16)

Name of the course	% of students from the same state	% of students from other states	% of students from abroad
B.Sc. I	98.6	1.4	—
B.Sc. II	100	—	—
B.Sc. III	100	—	—
M.Sc. I	100	—	—

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

Nil

29. Student progression:

Student progression	Against % enrolled	Year
UG to PG	30%	In 2015
PG to M.Phil.	-	
PG to Ph.D.	-	
Ph.D. to Post-Doctoral	-	
Employed	-	
-Campus selection	-	
-Other than campus selection	-	
Entrepreneurship/Self-employment	-	

30. Details of Infrastructural facilities

gg. Library:

Central library for UG students & no. of Books = 946.

hh. Internet facility for Staff & Students:

Yes

ii. Class rooms with ICT facility:



01

jj. Laboratories:

Computer laboratory facility with 10 Personal Computers for Under Graduate and Post Graduate Students.

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

All ST/SC/OBC/BPL and Minority Students are getting financial assistance as per provision of state Govt.

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

Nil

33. Teaching methods adopted to improve student learning:

- n. By Power point presentation
- o. By unit tests
- p. By chalk & talk method

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

In the college NSS & NCC units are active. Students are encouraged to join NSS & NCC to enhance institutional social responsibility. For this purpose, NSS comps are organized in nearby village and participate in social services.

35. SWOC analysis of the department and future plans:**Strength:**

- * There is a heavy demand of under graduate and post graduate course of Mathematics in the Dhamtari District. Every year the ratio of received admission application is more than 2 times than the allotted seat.
- * High student teacher ratio with permanent qualified faculties.
- * High pass percentage in post graduate Mathematics.

Weakness:

- * Class room requires modern Teaching facilities.
- * Lack of technologies and infrastructure.



- * Very less titles are available in Central library.
- * Department requires separate computer laboratory and mathematics laboratory.

Opportunities:

- * There is ample research opportunity for teachers and students in the field of Mathematics.
- * To establish ICT based instructional and teaching environment.

Challenges:

- * Students of this region have very less skilled in communication through English or Hindi either.
- * To improve the academic performance of weak students.
- * Development of research facility in the college.
- * To Attract Research projects for the department.

Future Plans:

- * To develop required laboratories for the mathematics department.
- * Organize seminar & workshop in near future.
- * To attract research projects from various funding agencies.