EVALUATIVE REPORT-13

DEPARTMENT OF MATHEMATICS

1. Name of the Department - **Mathematics**

2. Year of Establishment - B.Sc.(1949),M.Sc.1978)

3. Names of Programs / Courses offered - B.Sc.(MCS, MCP, (UG, PG, M. Phil, Ph.D., Integrated - MSP,PCM,PCS) &

Masters; Integrated Ph.D., etc.) - Ph.D.

4. Names of Interdisciplinary - NIL

courses and the

departments/units involved

5. Annual/ semester/choice based credit system - NIL

(program wise)

6. Participation of the department in the courses - Chemistry

offered by other departments

7. Courses in collaboration with other Universities **NIL**

Industries, Foreign Institutions, etc.

8. Details of courses/programs discontinued **NIL**

(if any) with reasons

9. Number of Teaching posts -

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	02
Asst. Professors	04	-
Mandey Lecturer	-	01
Part Time	-	01

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

(D.Sc./D.Litt./Ph.D./M. Phil, etc.,) As on 31/10/2015

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD Students Guided for the last 4 Years
Dr. Arun Kumar	M.Sc., M.Phil, Ph.D.	Associate Prof.	Vaidik Ganit	37 Years	-
Dr.Sudhir Kumar	M.Sc., M. Phil, Ph.D.	Associate Prof.	Fluid Dynamics	17 Years	05
Dr. Rimple Pundir	M.Sc., M.Phil., Ph.D.	Lecturer on Mandey	Fluid Dynamics	13 Years	-

Ms. Chinmay Kaushik	M.Sc.	Part time Lecturer	-	-	-
---------------------------	-------	-----------------------	---	---	---

11. List of senior visiting faculty

-NIL

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty **B.Sc. M.Sc.**

60% 50%

13. Student – Teacher Ratio (Programmer wise)

B.Sc. M.Sc.

130:1 30:1

- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled **NIL**
- 15. Qualifications of teaching faculty with D.Sc./D..Lit./Ph.D./M.Phil./P.G.
- 16. Number of faculty with ongoing projects from
 - a) National

-NIL

- 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
 - Publication per faculty

DETAILS OF PUBLICATIONS BY FACULTY MEMBERS

Name	Title	Name of	Name of	Vol ume	Page	Month	Year	ISSN/
		Co-author	Journal	No.	No.			ISBN No.
Dr. Sudhir Kumar Pundir	Hydro magneti c Instabili ty of Rivlin-Erickso n Fluid in Porous Medium Thermal Convect ion in a Walter's elastic-vicious and rotation On a couple stress hydro magneti		Internation al Journal of Stability and Fluid Mechanism Internation al Journal of Applied Mechanics and Engineerin g Applications and applied mathematics, USA	1 15		Jan	2010 2010 2010	ISSN- 0975- 8399 ISSN- 1425- 1655

O.S.						
cs Radi	iatio					
n eff						
	lect					
on	1					
Natu						
Con						
on o	ver					
a						
verti		D 11 G 1				
cylin		Bull. Cal.	0.6		2004	
emb		Math. Soc.	96		2004	
ed in						
poro						
med						
Ther						
Insta						
ty of						
	inou					
sly			37			
strat		Acta	X			ICONT
d vis		Cincia,	XI	2	2002	ISSN-
elast		Indica	X	3	2003	0970-
Oldr						0455
in) f	luid					
in						
poro						
med						
Ther						
Insta						
ty of						
	inou					
sly	:e.					
strat						
d vis						
elast						
(Old						
dian		Aats	v			ICON
fluid		Acta	X	2	2002	ISSN-
poro		Cincia,	XI	3	2003	0970-
med		Indica	X			0455
in th						
preso	ence					
of	zont					
horiz	zont					
al	nati					
mag						
c fie						
Stab	ility		v			
of	:e.	Aata	X			100
strat		Acta	X			ISS-
d vis		Cincia, Indica	XI M	3	2005	0970- 0455
eiast	.10	muica	171	ر ا	2003	0433

walter's					
(Model					
B')					
Dusty					
fluid in					
porous					
medium					
Thermal					
Instabili					
ty of					
couple					
stress					
fluid in					
the					
presence					
of					
variable					
Gravity					ISSN-
field and	Reflection				0973-
rotation	Dess Era			2006	4597
Hydrom					
agnetic					
Instabili					
ty of					
Stratifie					
d Visco-					
Elastic					
Walter's					
(Model					
B')		X			
Dusty		X			
Fluid I	Acta	XI			ISSN-
Porous	Cincia,	II	219		0973-
Medium	Indica	M	5	2007	0455
Thermo					
solutal					
Instabili					
ty of					
couple					
Stress	Internation				
rotating	al				
fluid in	Transactio				
the	n in				
presence	Mathemati				7007
of .	cal Science				ISSN-
magneti	and			2000	0974-
c field	computer	**		2009	7273
Thermal		X			
Convect		X			IGGNI
ive	Acta	X			ISSN-
Stability	Cincia,	VI		2011	0970-
of	Indica	IM		2011	0455

Rivlin-					
Erickso					
n Flow					
through					
a Porous					
Medium					
Hydrom					
agnetic					
Instabili					
ty of					
Rivlin-					
Erickso	Mathemati				ISSN-
n	cs and	1	June	2013	2321-
Compre	Computer				5356
ssible	_				
Fluid in					
Porous					
Medium					
,					
Internati					
onal					
Researc					
h Today					
Thermal					
Instabilit	Internation				
y of	al				
Stratified	Transactio				ISSN-
Visco- elastic(M	n in			2009	0974-
axwell)	Applied				7273
Fluid in	Science				
Porous					
Medium					
Rayleig					
h-Taylor	Internation				
Instabili	al Trans. In				ISSN-
ty of	Mathemati	1		2010	0974-
Through	cal Science				5068
Porous	and				
Polous					

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

Number of publications listed in International Database (For E.g. Web of Science, Scopus, Humanities International Complete, Dare Database –
 International Social Sciences Directory EBSCO host etc.)

International Social Sciences Directory, EBSCO host, etc.)

Monographs
Chapter in Books
Books Edited
Books With ISBN/ISSN numbers with details of publishers
(1.Pragati Prakashan, Asian Books (Pvt)Ltd., New Delhi
2. Krishna Publication, Meerut,

- 3. Kalyani Publishers, New Delhi
- 4. CBS Publishers, New Delhi
- 5. Hyveminds(Ptu)Ltd., Geenwavorly, Melborne Australia)
- Citation Index

• SNIP	2.9
• SJR	NO
 Impact factor 	NO
• h-index	NO

20. Areas of consultancy and income generated

NIL

21. Faculty as members in

a) National committees	NIL
b) International Committees	NIL
c) Editorial Boards	NIL

- 22. Student Projects
 - a) Percentage of students who have done in- house projects including inter departmental/program
 - b) Percentages 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

NIL

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

NIL

- 25. Seminars/ Conferences/ Workshops organized & the source of funding
 - a) National

NIL

b) International

NIL

26. Student profile program/ course wise

Name of the		Applications		
Course/program	Class	Received	Selected	Pass %
(Refer question no.4)				
B.Sc.(MCS, MCP, MSP, PCS, PCM)		2799	180	80
M.Sc.		244	60	95

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other states	% of students from abroad
B.Sc.	100	NIL	NIL
M.Sc.	95	5%	NIL

- 28. How many students have cleared national and state competitive examinations Such as NET, SLET, GATE, Civil services, Defense services, etc. ?
- 29. Student progression –

Student Progression	Against % enrolled
UG to PG	25%
PG to M.Phil	Not Available
PG to Ph.D.	Not Available
Ph.D. to Post-	
Doctoral	Not Available
Employed	
Campus selection	Not Available
• Other than	
campus recruitment	Not Available
Entrepreneurship/S	
elf-employment	Not Available

- 30. Details of Infrastructural facilities
 - a) Library -

b) Internet facilities for Staff & Students - NO

c) Class rooms with ICT facility NO

d) Laboratories NO

- 31. Number of students receiving financial assistance from College, University, Government or other agencies **NIL**
- 32. Details on student enrichment programs (special lectures/ Workshops/ seminar) with external experts **NIL**

NO

- 33. Teaching methods adopted to improve student learning **NIL**
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities Students participate in ISR through N.S.S., N.C.C. and Rovers /Rangers
- 35. SWOC analysis of the Department and Future plans-

S (Strength) -

Well qualified staff

W (Weakness) -

Lack of teaching staff according to admitted students.

O (Opportunities) -

As far as career options for students are concerned, Mathematics offers a versatile platform for futuristic education like-

Challenges) -

In-spite of rural background of students we are providing them quality education.

Future Plan -

To establish PG library, rich in books and to start certificate courses in department.

