



Profile of Mathematics Department

* **Year of Establishment** : U.G. : 1963

* **Number of teachers sanctioned** : 04
Present position : 03

Name of the teacher	Academic Qualification with class & year & specializations	Teaching experience		No. of papers published	Nos.of Books Published	Photo
		UG	PG			
1) Prof.P.A.Ahire	M.Sc (I st with Dist.)-1992 NET-1994 [Mathematics]	21	04	02	05	
2)Prof. R.A.Pawar	M.Sc -1988 [Maths]	25	02	02		
3)Prof. S.A.Sangle	M.Sc (I st Class)-2012 SET-2013[Maths]	01	--	--		
4)Shri.VijayPawar (Lab Attendant)	B.Sc.	12				

* **No. of teachers and students** :
 No. of teachers : 03

Year	Total Number of Students									Total Students
	F.Y.B.Sc.			S.Y.B.Sc.			T.Y.B.Sc.			
	M	F	T	M	F	T	M	F	T	
2013-14	90	62	152	71	51	122	21	25	46	320
2012-13	100	60	160	50	35	85	11	15	26	271
2011-12	118	43	161	51	24	75	16	10	26	262
2010-11	109	31	140	44	17	61	06	13	19	220
2009-10	83	19	102	41	18	59	09	12	21	182
2008-09	75	12	87	27	11	38	08	04	12	137
2007-08	48	17	65	19	10	29	09	05	14	108

• Annual Results of T.Y.B.Sc. [Maths]

Year	No. of Students admitted for the year	No. of Students appeared in the annual exam.	No. of students passed					No. of students failed	% of Passing
			Ist Class with distinction	Ist Class	IInd Class	Pass Class	Total No. of Student Passed		
2007-08	14	14	02	03	01	02	09	05	64.28
2008-09	12	11	02	05	02	02	10	01	91
2009-10	21	21	03	02	03	03	11	10	52.38
2010-11	19	19	04	03	03	01	11	08	57.89
2011-12	26	26	04	03	04	02	13	13	50
2012-13	26	25	05	06	03	03	17	08	68

•University Ranks :

Sr.No.	Year	Name of the student	Rank	% Marks
1	2012-13	Md.Reehan Md.Husain	IX	80.67%
2	2011-12	*Aher Palllavi Dinkar	I	93.33%
3	2010-11	--	--	--
4	2009-10	Farooqui Farkhanda S.	II	74 %
5	2008-09	-	-	-
6	2007-08	-	-	-

*** Success rate of students : For U.G. :**

Sr. No .	Year	Success rate in % for T.Y.B.Sc. Mathematics	Success rate in % of S.Y. and T.Y.B.Sc. of University
1	2012-13	68.00	31.98
2	2011-12	50.00	63
3	2010-11	57.89	47
4	2009-10	50.00	52
5	2008-09	91.00	65
6	2007-08	66.66	68

7	2006-07	87.50	72
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*** University Distinction :**

Sr.No.	Year	T.Y.B.Sc.
1	2013-14	
2	2012-13	05
3	2011-12	04
4	2010-11	04
5	2009-10	03
6	2008-09	02
7	2007-08	02

University Ranks :

Sr.No.	Year	Name of the student	Rank	% Marks
1	2012-13	Md.Reehan Md.Husain	IX	80.67%
2	2011-12	*Aher Pallavi Dinkar	I	93.33%
3	2010-11	--		
4	2009-10	Farooqui Farkhanda S.	II	74 %
5	2008-09	-	-	-

• SEMINAR/ WORKSHOP ORGANISED

•State (University) Level Workshop Organised by Mathematics Dept.:

Name of the Workshop	Date/Year	Co-ordinator	Sponsoring Agency
<i>Emerging Trends in Metric Spaces & It's Applications.</i>	22-Feb.- 2012	P. A. Ahire	<i>B.C.U.D ,Uni. of Pune & M.S.G.College Malegaon-Camp, Dist.- Nasik.</i>

•Books published by faculty :

Sr. No.	Name of Teacher (Author)	Title of Books	Place & Name of Publisher	ISBN
1	P.A.Ahire	Linear Algebra	Vision Publication, Pune	978-93-80111-54-4
2	P.A.Ahire	Computational Geometry	Vision Publication, Pune	978-93-80111-82-7
3	P.A.Ahire	Numerical Methods	Vision Publication, Pune	978-93-80111-55-1
4	P.A.Ahire	Discrete Mathematics	Vision Publication, Pune	978-93-5016-199-9
5	P.A.Ahire	Applied Algebra	Vision Publication, Pune	

SUBJECTS AT U.G.

F.Y.B.Sc.	S.Y.B.Sc.		T.Y.B.Sc.	
Annual Pattern	Sem-I	Sem-II	Sem-III	Sem-IV
M-I: Algebra & Geometry	M-I: Calculus of Several Variables	M-I: Linear Algebra	M-I: Set Theory & Logic	M-I: Metric Spaces
M-II: Calculus & Differential Eqns	M-II(A):Differential Equations OR	M-II(A): Vector Calculus OR	M-II: Real Analysis	M-II: Complex Analysis
M-III: Practical Course	M-II(B):Numerical Analysis	M-II(B): Discrete Mathematics	M-III: Problem Course	M-III: Problem Course
	M-III: Practical Course	M-III: Practical Course	M-IV: Group Theory	M-IV: Ring Theory
			M-V: Ordinary Diff. Equations	M-V: Partial Diff. Equations
			M-VI: Problem Course	M-VI: Problem Course
			M-VII: Operations Research	M-VII: Imp.Integals & LaplaceTransform
			M-VIII: Number Theory	M-VIII: Number Theory
			M-IX: Practical Course	M-IX: Practical Course

*** Faculty who have attended national and International seminars :**

Sr.No.	Name of the faculty	No.of national seminars	No.of International seminars	No.of State seminars	No.of University seminars
1	Prof.P.A.Ahire	05	01	04	15
2	Prof. R.A.Pawar	1	-	-	05
3	Prof.S.A.Sangle	-	-		

@ Journals/Periodicals in Library:

Sr. No.	Name of Periodical/Journal	Agency	Annual Subscription(Rs)
1	Proceeding in Mathematical Sciences	Indian Academy of Sciences, Bangalore	300/--
2	Mathematical Education	Mathematical Education, Siwan (Bihar)	625/--
3	Mathematics Today	MTG Learning Media Ltd, New-Delhi	225/--
4	Bulletin of Pure & Applied Sciences	New-Delhi	1000/--

1. SWOC analysis of the department and Future plans

Strength:

1. Organization of Workshop/seminars for the faculty & students.
2. Research Activities of the department are continued. .
3. Faculty of the department published their research papers in the National and International Journals.
4. Faculty of the department participated and published research papers in the National and International Seminars, Conferences and workshops.
5. Involvement in the different academic bodies of the college and the university.
6. Department has good student - teacher relationship.

Weakness:

1. Lagging behind in PG centre.
2. Less number of Faculty as Compared to workload of Dept.
3. Funding/ Seminars.

Challenges: Conversion of traditional courses in modern job oriented Professional Courses.

Future Plan:

1. To start PG - M.Sc. in Dept.
2. To start P.G. Diploma in Industrial Mathematics
3. Organization of National and International Seminars, Conferences and workshops for the faculty & Students.

ANNEXTURE-I

Faculty Information :

	<p>Prof. P. A. Ahire , Head, Department of Mathematics Designation: Associate Professor Qualification: M. Sc. NET (Mathematics) Address : Dnyaneswar Nagar, Malegaon-Camp-423105 Dist- Nashik Appointment(Joining) Date: 07/08/1992 Birth date: 01/06/1969 Teaching Experience: UG : 21 Years PG : 04Years Nationality : Indian Category : Open Language Known: Marathi, English & Hindi.</p>
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@Orientation/Refresher by Faculty:

Sr.No.	Orientation/ Refresher	Sponsered by	Place	Date
1	Orientation	UGC	ASC,Dr.B.A.Marathwada University, A'bad	30-Jan to 28-Feb.-1995
2	Refresher-I	UGC	ASC, R.D. University, Jabalpur, (M.P.)	24-Nov. to 13-Dec, 1997
3	Refresher-II	UGC	ASC, University of Pune, Ganeshkhind,Pune	3-Sept. to 23-Sept, 2003
4	Refresher-III	UGC	ASC, University of Pune, at New Arts,Com.& Science College, A'Nagar.	12-Nov to 2-Dec, 2004.


Books Published :

Sr. No.	Name of the Teacher/ Author	Titles of the Books/Monographs	Place & Name of Publishers	Date of Publication	ISBN
1)	P.A.Ahire	Linear Algebra (S.Y.B.Sc.-CS)	Vision Publication, Pune	June. 2009	978-93-80111-54-4
2)	P.A.Ahire	Computational Geometry (S.Y.B.Sc.-CS)	Vision Publication, Pune	June. 2009	978-93-80111-54-7
3)	P.A.Ahire	Numerical Methods (S.Y.B.C.A.)	Vision Publication,	Jan.2010	978-93-80111-55-1

			Pune		
4)	P.A.Ahire	Discrete Mathematics (F.Y.B.C.S.)	Vision Publication, Pune	Jun.2013	978-93-5016-199-9
5)	P.A.Ahire	Applied Algebra (S.Y.B.Sc.-CS)	Vision Publication, Pune	Jun.2014	

***Conference/Seminar/Workshop Attended by Faculty:**

International	National	State	University/Local
01	05	04	15

Name of Faculty	Conference/Seminar/Workshop	Title	Title of Paper	Organizer & Venue	Date
	State Seminar	Recent Advances in Mathematics.	A New Arithmetic Function on Divisibility.	N.S.C.Sci. College, Nasik-Road	28-Sept-2012
	National Conference	Recent Developments in Graduate Mathematics.	A Metric Space on Set of Positive Prime Numbers. Divisibility.	Marathwada Mathematical Society, A'bad & L.V.H.College, Panchvati, Nasik	6 to 8, Feb.-2012
	National Workshop	Recent Trends In Mathematics.	A New Arithmetic Function on Divisibility.	L.V.H.College, Panchvati, Nasik-3	27 to 29, Jan.-2011
	Inter-national Conference	Fuzzy Mathematics & its Applications.	Knots & its Applications.	Uni. Of Pune at New A, Sc.& Com College, A'Nagar.	27 to 29, Jan-2007
	State Seminar		Computational Mathematics	BCUD,Pune Uni. &P.V.P. College.P'Ngr	20,21-Sept. 2013

Awards:

Awards for having secured the highest number of marks in Mathematics Special at the B.Sc. Exam. Held in April-1990

1. Prof. D.W. Kerkar Prize in Mathematics of Rs.350/-
2. The Shankarrao Kale Mathematics Prize of Rs.325/-
3. The Late Vilas Wamanrao Giridhar Smriti Paritoshik of Rs.900/-

Visiting Lecturer:

Prof.P.A.Ahire worked as Visiting lecturer for

- 'Basic Business Mathematics' for course B.B.A. at L.V.H. Mahavidyalaya, Panchvati, Nashik in 2008.

- ‘Elementary Statistics’ for course B.Sc.(Horticulture) at H H Shri Shri Muralidhara Swamiji College of Horticulture, Malegaon-Camp in year 2013-14.
- ‘Elementary Mathematics’ for course B.Sc.(Horticulture) at H H Shri Shri Muralidhara Swamiji College of Horticulture, Malegaon-Camp in year 2013-14.

Guest Lectures:

Prof.P.A.Ahira delivered lectures on:

- ‘Differential Equations’ for course B.Sc. at L.V.H. Mahavidyalaya, Panchvati, Nashik on 06/03/2005.
- ‘Differential Calculus & Integral Calculus’ at Special Summer Coaching Classes for B.Sc.Students in M.S.G.College, Malegaon-Camp in period 15 to 30, June-2005.
- ‘Fun In Mathematics’ at Special Summer Coaching Classes for B.Sc. Students in M.S.G.College, Malegaon-Camp in period 15 to 30, June-2005.

Subject Expert:

Prof.P.A.Ahira was Subject Expert for Interviews for posts of :

- Assist Prof. in J.A.T.Arts,Sc.& Comm.College Malegaon on 23/01/2014.
- Assist. Prof. in G.D. Sawant Mahavidyalaya, Nashik on 6th –Oct.-2007.
- Assist.Teacher in M.E.S’s, Z.P.Kakani Vidyalaya, Malegaon on 14-Aug.-2011.

Syllabus Setting Committee:

Prof.P.A.Ahira worked as Syllabus Setting Committee Member in UoP for the course:

- ‘Calculus’ of F.Y.B.Sc.(Maths) & its Q.B. on 17, 18-June-2008 at S.P.College,Pune.
- ‘Linear Algebra’ of S.Y.B.Sc.(Maths) & its Q.B. on 27, 28-Apr.-2009 at S.P.College,Pune.
- ‘Laplace Transforms & Fourier Series’ of S.Y.B.Sc.(Maths) & its Q.B. on 22, 23-Feb.-2014 at K.T.H.M.College,Nashik.


Paper Setter (Other than UoP):

Prof.P.A.Ahira worked as Paper Setter for:

- MPSC for subject ‘Intelligence Test (Mathematics)’ in 2009 & 2012.
- YCMOU, Nashik for subject ‘Prepo(E),Mathematics-002’ in 2012 &2013.

ANNEXTURE-II

@ Name of Faculty: **Prof. R. A. Pawar**

	Prof .R. A. Pawar
	Designation: Associate Professor Qualification: M. Sc. (Mathematics) Address : Vivekanand Colony, Malegaon-Camp-423105 Dist- Nashik Appointment(Joining) Date: 22/7/1988 Birth date: 02/06/1966 Teaching Experience: UG : 24 Years PG : 02Years Nationality : Indian Category : Open Language Known: Marathi, English & Hindi.

Sr.No.	Orientation/ Refresher	Sponsered by	Place	Date
1	Orientation	UGC	ASC, University of Pune, Ganeshkhind,Pune	29-04-93 to 26-05-1993
2	Refresher-I	UGC	ASC, University of Pune, Ganeshkhind,Pune	28-03-95 to 24-04-1995
3	Refresher-II	UGC	Bhonsala Military College,Nasik & Uni. Of Pune	24-1-03 to 13-02-2003
4	Refresher-III	UGC	ASC, University of Pune, at New Arts,Com.& Science College, A'Nagar.	29-10-03 to 18-11-2003
5	Course	NCC & Shivaji Uni. Kolhapur	Disaster Relief Training Course	31-05-2007 to 11-06-2007

*Conference/Seminar/Workshop Attended by Faculty: **National Level : 01**

Sr. No.	Level	Conference / Seminar/ Workshop	Title	Organizer & Venue	Date
2	National	Workshop	Recent Trends in Maths Mathematics	L.V.H.College, Panchvati, Nasik	27,28,29 Jan-2011

ANNEXTURE-III

@ Name of Faculty: **Prof. S. A. Sangle**



Prof .S. A.Sangale

Designation: Assistant Professor

Qualification: M. Sc. (Mathematics) SET

Address : A/P: Nirhale Tal: Sinnar

Dist- Nashik

Appointment(Joining) Date: 20/09/2013

Birth date: 05/07/1989

Teaching Experience:

UG : --

PG : --

Nationality : Indian

Category : NT (D)

Language Known: Marathi, English & Hindi.