



Recommendations given during NAAC 2nd Cycle for Quality Enhancement of the Institution

- **Recommendation 1: College is required to take step to increase the number of permanent staff by filling the vacant positions immediately**

The college has taken necessary steps to increase the number of permanent staff by filling the vacant positions. Recruitment of permanent staff is done on the basis of approved post as per the strength of the students as on 1998. The vacant positions are identified with reference to the available work load. The college seeks NOC from Joint Director, Higher Education, Government of Maharashtra. The posts to be filled are advertised in national newspapers so as to receive applications from all over India. Selection committee is formed and got approved from the affiliated university. Interviews are conducted in a fair and transparent manner. The candidates selected by the committee are appointed as a faculty and the approval for the appointment is taken from the SPPU, Pune. The recruitment of non-teaching staff is done at institute level as per the guidelines of Minority Institute and Government of Maharashtra. Recruitment of teaching and non-teaching staff on permanent basis during last five years is 11 and 07 respectively. Details on the recruitment of teaching and non-teaching staff during last five year is as follows :

✓ Teaching faculty

Date of appointment	Name of the faculty	Designation	Subject
01/03/2011	Dr. S. R. Tapkir	Asst. Professor	Marathi
01/10/2013	Dr. Y. N. Indulkar	Asst. Professor	Chemistry
02/09/2013	Dr. Mrs. R. D. Chitale	Asst. Professor	Botany
02/09/2013	Dr. V. B. Nale	Asst. Professor	Zoology
02/09/2013	Mrs. V. H. Shinde	Asst. Professor	Mathematics
01/01/2015	Mr. P. P. Fulari	Asst. Professor	Mathematics
01/01/2015	Mr. S. P. Chordiya	Asst. Professor	Zoology
27/01/2015	Dr. S. B. Kulkarni	Asst. Professor	Physics
01/01/2015	Mr. N. R. Shah	Asst. Professor	Commerce
01/01/2015	Mr. V. A. Bale	Asst. Professor	Commerce
01/01/2015	Dr. J. K. Pawar	Asst. Professor	Commerce

✓ Non-teaching faculty

Date of appointment	Name of the faculty	Designation
17/07/2013	Mr. S. B. Shah	Library Attendant
17/07/2013	Mr. D. P. Shinde	Lab. Attendant
17/07/2013	Mr. K. M. Shingade	Peon
12/11/2014	Mr. P. B. Bhandwalkar	Library Attendant
12/11/2014	Mr. G. K. Gatkhal	Lab. Attendant
12/11/2014	Mr. A. D. Dhawale	Peon
12/11/2014	Mr. S. D. Shinde	Peon



The college always takes positive steps to fill the vacant positions immediately. It has already initiated the process of filling 03 vacant positions of teaching faculty on permanent basis this year.

• Recommendation 2: Initiate vocational & Skill development programmes & value added courses :

The college has been keen on introducing vocational, skill development and value added programmes. Details on the initiatives taken by the college in this regard are as follows:

- ✓ 02 vocational degree programmes i.e. B. Voc. in Food Processing & Post-Harvest Technology and Journalism & Mass communication are introduced from 2014-15
- ✓ In order to fulfill the urgent and growing demand from the students and stakeholders college has started core programmes M.Sc. in Mathematics, Statistics, Electronics and Zoology.
- ✓ In addition to above the college offers following skill based programmes :

Department	Programme	Duration in weeks
History	Modi Script writing	02
Politics	Foundation course in Human Rights	08
English	Effective Communication in English and Personality Development	04
Commerce	Skill Development-Financial Planning	01
	Tally ERP 9	12
	Certificate Course in Office Presentation	04
	Accounts Writing and Book Keeping	04
Botany	Certificate Course in Nursery Management	08
Electronics	Mobile & Computer Repairing	06
Microbiology	Quality Control Techniques in Food, Dairy and Pharma Industries	12
Chemistry	Analysis of Soil, Water, Milk and Milk Products	04
Computer Science	Android Application Development	08

• Recommendation 3: Modernize & upgrade ICT as teaching learning resource

The steps taken by the college in modernizing and up-grading ICT as a teaching learning resource during last five years are as follows:

- ✓ All the departments are provided with computers with internet connectivity
- ✓ The college has made a provision of nineteen ICT enabled classrooms to strengthen teaching learning process.

- ✓ College library is subscribed with N-list consortium of INFLIBNET an autonomous organization of UGC
- ✓ Facility of a separate internet zone in library and provision of separate internet facility for students in B.Voc. building
- ✓ The college campus is connected through OFC and UTP cables
- ✓ The college has dedicated lease line of 10mbps 1:1 ratio for BSNL internet connectivity
- ✓ The college has purchased licensed software like Microsoft windows base license, campus license, dream spark subscriptions etc.
- ✓ The college has installed highly configured three rack servers.
- ✓ Provision of Wi-fi facility on the campus

The details on the ICT facilities are as follows:

Sr. No.	ICT facilities	Details
1	ICT classroom	Provision of 19 ICT enabled classrooms
2	Computers	P-IV : 15, Dual Core : 120, Core 2.0 Duo : 65, I3 : 100 Desktop PC : 404, N- Computing node : 63 Server : 04
3	Software	Microsoft Windows Base Licenses, Campus Licenses, Dream Spark Subscription, IBM SPSS, Wolfram Mathematica, Tally ERP 9.01, etc
4	Hardware	Servers, Computers, Printers, Scanners
5	Printers	63
6	Scanners	07
7	LCD projectors	25
8	Stand alone facility	Computers in the Computer laboratory work as a standalone as well as through network.
9	LAN facility	All computers in the campus are connected to LAN using Fiber and CAT-6 (LAN) cable
10	Wi – Fi facility	Campus is covered through Reliance Gio 4G Wi-Fi facility
11	Licensed software	Microsoft Windows 8 Base Licenses, Dream Spark Subscription, Microsoft Desktop Education All Lng License/Software Assurance Pack Academic OLV 1 License Level E UTD (MSOffice), Campus Licenses, IBM SPSS, Wolfram Mathematica, Net Protector, Quick Hill, etc
12	Number of nodes/ Computers with Internet facility	408

• **Recommendation 4: Budget to promote research by teachers and students to be created.**

The college has made a provision of budget to promote research for the faculty and the students as given below :



- ✓ The college has made a provision of ₹ 1,00,000 each for all departments from science faculty, ₹ 60,000 for commerce faculty and of ₹ 20,000 for all departments each from the arts faculty from the academic year 2014-15 under the student research scheme. The amount of ₹ 5,12,875 is disbursed to 82 students for the last two years.
- ✓ The college has made a budgetary provision of ₹ 10,33,852 for expenses against T.A., D.A. and registration fees of the faculty deputed to participate in seminars, workshops and conferences. The amount spent by the college on this during the last five years is ₹ 7,22,349. The college also provides financial assistance to the departments to organize of seminars, workshops and conferences at state, national and international levels. Details on the amount spent on the organization of and participation in seminars, workshops and conferences for the last five years are given in the following table :

Particulars	Share	Amount spent in (₹.)				
		2011-12	2012-13	2013-14	2014-15	2015-16
Organization of seminar, workshop, conference	College	1251246	275932	337804	416098	2139804
	Funding Agencies	269210	150000	123818	-	722838
Participation in seminar, workshop, conference	College	48000	101000	129215	125453	102749
Total		1568456	526932	590837	541551	2965391

- ✓ The following table highlights the amount utilized on student research projects for the last two years:

Year	Total amount in ₹	No. of students supported	No. of projects completed
2014-15	2,37,450	42	34
2015-16	3,75,425	40	30

- ✓ The college has utilized ₹ 1,00,000 to organize university level research competition *Avishkar* organized during 13th -14th Dec. 2011.

• **Recommendation 5: A perspective plan for the next five years needs to be prepared**

The following table highlights a perspective plan for the five years (2011-12 to 2015-16) with its implementation:

Plan	Implementation	Year
Upgrading the ICT facilities	19 ICT enabled classrooms	Since 2011
	Purchase of 360 computers	Since 2011
	Purchase of licensed Software	Since 2011
	Provision of e-journals and e-books through N-list database	Since 2011



	Installation of 12 CCTV camera	2014-15
	Provision of OPAC facility	2014-15
	Wi-Fi facility on the campus	2015-16
Introduction of academic programmes	M.Sc. in Mathematics	2011-12
	M.Sc. in Electronics	2012-13
	M.Sc. in Statistics	2012-13
	Research centre in Microbiology	2014-15
	B. Voc. degree in two subjects	2014-15
	COC in English, Microbiology, Commerce	2014-15
	M.Sc. in Zoology	2015-16
	Research centre in Physics	2015-16
CFC	Establishment of CFC under a single roof	2015-16
Strengthening of research and development	Deputation of faculty on FIP (11)	Since 2011
	DST-FIST – Rs. 67 lakhs	2014-15
	STAR College – Rs. 44 lakhs	2015-16
	CPE Rs. 1.5 crores	2015-16
	Minor research projects - 35	Since 2011
	Major research projects - 04	Since 2011
	Provision of budget for student research project scheme	Since 2014-15
Renovation and expansion of infrastructure	• Renovation of Statistics & Chemistry laboratories	2011-12 2012-14
	• Renovation of library & reading hall	2013-15
	• Renovation of <i>Jeevraj</i> auditorium	2014-15
	• Expansion & renovation of girls hostel	
	Construction of main gate, compound wall, security cabin, ramps	2015-16
	Expansion of parking space	2015-16
	Construction of B. Voc. building, Microbiology research laboratory	2015-16
Establishment of CFC	2015-16	
Organization of seminars, workshops and conferences	• State level conference on <i>Maharashtrachya Vikasat Marathi Bhashechi Bhumika</i>	2012-13
	• National conference on Recent Trends in Plant Sciences	2012-13
	• Jain <i>Itihas Parishad</i>	2012-13
	• National Conference on Recent Development in Mathematics and Statistics	2013-14
	• National Seminar in Physics and Technology of Sensors	2014-15
	• National Workshop on Radio chemistry and Applications of Radioisotope	2014-15
	• National Conference on Frontiers of Chemistry and Materials	2015-16
	• Marathi <i>Arthshashtra Parishad</i> , 39 th Rashtriya Adhiveshan	2015-16
	• 1990 <i>Nantarache Marathi Sahitya</i>	2015-16

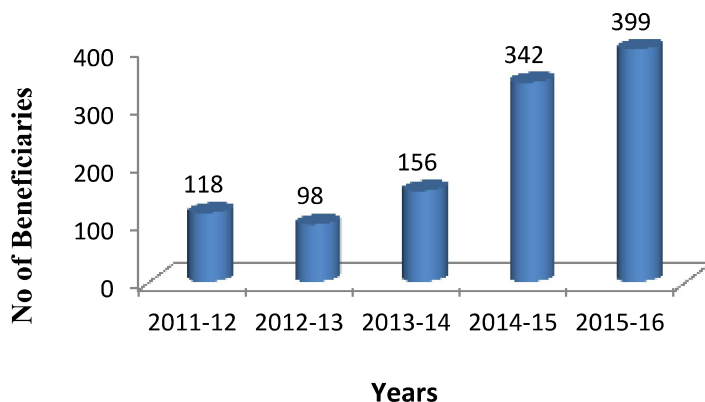
	<ul style="list-style-type: none"> International conference on Plant Research and Resource Management (APRIM) A Two day workshop on “Antivirus Software Development” 	2015-16 2015-16
Signing MoU	Nimbkar Agricultural Research Institute (NARI)	2013-14
	National Institute for Abiotic Stress Management (NIASM)	2014-15
	North Maharashtra University, Jalgaon	2014-15
	Nature Friends Organization (NFO), Baramati	2014-15
	National Institute for Pomegranate Research, Solapur	2014-15
	Real Dairy, MIDC, Baramati	2015-16
	Milind Trading Company, Baramati	2015-16
	Maharashtra Business Training Board, Mumbai	2015-16
Strengthening of the gymkhana facility	Separate gymnasium and sports facilities for boys and girls	Since 2011
	Training for new games like fencing, pistol shooting, handball, hockey, netball.	Since 2011
Creating eco-friendly campus	Cleanliness drive	Regular activity
	Plantation	Regular activity
	Green audit	2015-16
	Energy audit	2015-16
	Installation of a biogas plant	2015-16
	Vermicompost unit	2012-13
Organization of extension activities	NSS activities	Regular activity
	NCC activities	Regular activity
	Blood donation camps	Regular activity
	Medical check-up programme	Regular activity
	<i>Nirbhaya Kanya Abhiyan</i>	Regular activity
	A seminar on value education by Sant Shitalsagar Maharaj,	15 Aug. 2014
	A seminar on value education by Abhay Bhandari	22 Sept. 2014
	Workshop on Youth & Sex education ‘ <i>Tarunyabhan</i> ’	07 to 09/08/2014

- Recommendation 6: The library by way of book bank facility, more reading space and acquisition of e-journals needs to be upgraded.**

The library has been fully atomized by using SOUL 2.0 library management software. The library services and facilities have been

upgraded by the way of the expansion of the book bank facility to each department, the extension of the reading space and the provision of e-journals and e-books during the last five years. Details are given below :

✓ **Expansion of book bank facility :**



✓ **Extension of reading space :**

The college has renovated and expanded the reading hall. The space available for the reading in the library in the year 2011-12 was 2418 sq. ft. with the seating capacity of 180. Today the reading hall space is 3667 sq. ft. with the seating capacity of 280.

✓ **Provision of e-journals and e-books :**

The college library is a member of N-List Consortia of INFLIBNET, Ahmedabad. The membership is renewed annually and it is a major source for e-journals and e-books. Details on the amount (in lakhs) utilized on the on the text-books, reference books and journals for the last five years are as follows:

Library holdings	2011-12		2012-13		2013-14		2014-15		2015-16	
	Number	Total Cost	Number	Total Cost	Number	Total Cost	Number	Total Cost	Number	Total Cost
Text books	344	0.58	479	0.56	836	0.98	2714	3.48	2012	2.52
Reference books	1688	5.88	2551	4.91	2635	6.04	1507	4.87	596	2.84
Journals & periodicals	105	0.79	110	0.87	115	1.2	121	1.3	122	1.3

• **Recommendation 7: Welfare schemes for the teaching and the non-teaching faculty need to be introduced**

The college has made a provision of various welfare schemes for the teaching and the non-teaching faculty. Details are as follows :

- ✓ Priority in admissions to the wards of the faculty : 100 % beneficiaries
- ✓ Group insurance scheme : 114 beneficiaries
- ✓ EPF for the temporary faculty : 100 % beneficiaries



- ✓ Medical treatment on concessional rates : 10% discount on medical services as a result of MoU signed with Niramay Medical Foundation and Research Center, Baramati.
- ✓ A facility of a credit card by the consumer store: 545 beneficiaries. The college makes a provision of repayment through installment against the salary.
- ✓ A bank with ATM facility on the campus: 100 % beneficiaries
- ✓ A co-operative credit society : A cooperative credit society gives financial support to its members by providing general, emergency and commodity loans. Details on the loans lent for the last five years are as follows:

Type of loan	Amount in ₹	No. of beneficiaries
General loan	361068803	619
Emergency Loan	8191067	201
Commodity Loan	11591490	371

- ✓ Provision of advanced payment to the faculty on the occasion of Diwali festival: 100 % beneficiaries
- ✓ Provision of special earn leave on special family functions
- ✓ Purchase of three wheelers for differently abled faculty through a government scheme: 02 beneficiaries
- ✓ Raising of the faculty welfare funds by the faculty utilized on emergency : No. of beneficiaries : 05 and the amount : ₹ 6,09,100
- ✓ Health check-up programmes for the faculty: 656 beneficiaries
- ✓ Medical Awareness Programmes: through lectures of eminent medical doctors: 100% beneficiaries
- ✓ A cultural programme on the occasion of inauguration of *Jeevraj* Auditorium: 100% beneficiaries
- ✓ Walkers' club functioning on one Sunday every month
- ✓ Felicitation of the faculty on their achievements on the occasion of college anniversary day
- ✓ Felicitation of the faculty with their family on retirement

● **Recommendation 8: Financial support to the students needs to be extended.**

Details on the financial support given to the students for the last five years are :

- ✓ Financial assistance of ₹ 3,50,091 is provided to the meritorious students in the form of prizes.
- ✓ The amount of ₹ 13,06,693 against TA and DA is utilized for sports persons.
- ✓ The needy students are given the financial assistance of ₹ 1,35,327 through the student aid fund.

- ✓ The college has made financial support of ₹ 30.63 lacks available to 938 students through Earn and Learn Scheme.
- ✓ Students are also supported and encouraged by providing Cash prizes worth ₹ 1,21,020 are given to the winners of various competitions organized during IQAC youth festival
- ✓ The student support fund of ₹ 1,90,500 is raised by the faculty, out of which ₹ 116010 has been disbursed to 151 needy students for the last two years.
- ✓ Financial support of ₹ 3,20,000 is made available to the parents through the student safety insurance scheme.
- ✓ The financial support of ₹ 35,000 is given to the students for emergency medical treatment
- ✓ 123 students have been provided the financial assistance of ₹ 6,12,815 to undertake research projects.

• **Recommendation 9: Students need to be given coaching for NET and SLET.**

The college has conducted the following coaching programmes and activities to prepare the students for NET and SLET in co-ordination with a competitive examination committee. Details on the organization of NET/SLET coaching activities and programmes are given in the following table :

Department	Activity	Duration	Beneficiaries
Chemistry	Lecture Series	14 to 15/10/ 2011	128
Economics	Lecture Series	04 /09 to 24/12/2012	93
Chemistry	Lecture Series	18 to 19/01/2016	135
Statistics	Workshop	14 to 19/03/2016	88
Marathi	Lecture Series	05/03/2013, 28/02/2014 03/03/2015, 26/02/2016	52
Hindi	Lecture Series	27/09/2011 05- 06/01/2016	77 22
English	Lecture Series	04/09/2011 onwards (every Sunday for 03 months)	33
History	Lecture Series	06, 13, 20, 27/02/2016	22
Commerce	Lecture Series	2011-12	150
Physics	Lecture Series	15/09/2011 to 26/09/2011	40
Mathematics	Lecture Series	30/03 – 04/04/2015	34
Botany	Lecture Series	10/01/2012	14

• **Recommendation 10: Bridge courses for incoming students and remedial courses for weak students should be conducted regularly.**

The college organizes bridge courses to bridge the gap between the actual knowledge and the expected knowledge of the entry level UG and PG students at the departmental level. In addition to this all the departments of



the college organize remedial courses cater to the needs of the slow learners. These courses have been a regular activity of the college.

- **Recommendation 11: Mentoring system for students needs to be introduced**

The college has initiated the student mentoring mechanism to monitor the progress of the students from the academic year 2011-12. Each faculty has been assigned the responsibility of the student mentoring at the departmental level. This scheme has been effectively implemented by all the departments for UG and PG students. The mechanism has resulted in establishing a fruitful connectivity and interaction between the students and their parent teachers.

- **Recommendation 12: Domain knowledge and teaching skills of the faculty need to be improved through faculty development programmes.**

The college has been keen on enhancing the teacher quality by motivating them to participate in various faculty development and training programmes. Details are given below :

- ✓ The college has deputed 11 faculty to pursue Ph.D. degrees under faculty improvement programme.
- ✓ Owing to the support of the college 17 no. of faculty have been awarded Ph.D. degrees and 31 no. of faculty have registered for Ph.D. without taking the benefit of FIP.
- ✓ 20 faculty to participate in orientation courses, 36 faculty was deputed to participate in refresher courses, and 73 faculty to participate in summer schools and workshops.
- ✓ Department of Chemistry has organized a short-term training programme on applications of radio isotopes during 15th – 20th Dec. 2014.
- ✓ A one week training programme on Frontiers in Life Sciences was organized by department of Microbiology during 10th to 16th Oct. 2011.
- ✓ Details on the faculty participation in seminars, workshops and conferences are :

Activity	Participation	Paper presentation	Resource persons
Seminars	134	43	04
Workshops	226	01	15
Conferences:	353	177	16

- ✓ Department of Physics organized a Refresher Course in Experimental Physics in association with Indian Academy of Sciences, Bangalore during 8 to 23 Oct. 2012.


Principal

Tuljaram Chaturchand College
Baramati