



Government of Maharashtra's

## RAJARAM COLLEGE, KOLHAPUR

Vidyanagar, Kolhapur 416004 (India)



Est: 1880  
Accredited as NAAC "A"  
Grade College.

Phone: (0231)2537840  
Fax: (0231)2531989

Principal,  
Dr. Vasant B. Helavi,  
M. Sc., Ph. D., D.C.L.

Visit us at: <http://www.rajaramcollege.com>

E mail: [rajaramcollege@gmail.com](mailto:rajaramcollege@gmail.com)

Ref: RCK/EST/NAAC/ 1072

Date: 01/11/2015

### SSR Upload Intimation

To

**Dr. Ganesh Hegde**

Assistant Adviser,

National Assessment & Accreditation Council,

P. O. Box. No. 1075, Opp: NLSIU

Nagabhavi, Bangalore – 5600072

**Subject: Intimation regarding uploading of SSR/RAR on website**

Dear Sir,

We hereby intimate that SSR/ RAR is uploaded on website as per following details.


Sr	Particulars	
1.	Name of the Institution and Address	Rajaram College, Vidyanagar, Kolhapur
2.	Head of Institute	Principal
3.	Contact Mobile No.:	9421175084
4.	Co-ordinator	Dr. R.M. Kamble
5.	Contact Mobile No.:	9850169912
6.	Track Id of NAAC:	MHCOGN-10575
7.	Accreditation Cycle	Cycle -2
8.	Web site:	<a href="http://www.rajaramcollege.com">www.rajaramcollege.com</a>
	Web-link showing SSR	<a href="http://www.rajaramcollege.com/RC/IQAC.aspx">http://www.rajaramcollege.com/RC/IQAC.aspx</a>
9.	a. Date of Uploading SSR/RAR : (SSR accepted, after one month of uploading only) b. Probable date of submission of SSR/RAR : (Hard copies)	01/11/2015 16/11/2015
10.	Institution has Uploaded the data of All India Survey of Higher Education (AISHE - MHRD) website: (Mandatory)	Certificate is attached herewith
11.	12 B UGC status and XII Plan General Development Grant copy submitted to NAAC:	Copy is attached herewith
12.	Probable date of NAAC Peer Team Visit: (After 60 days of SSR Submission and before 180 days)	15 January 2016
13.	Nearest Airport for the Peer team to arrive: and distance (and time taken) from the Airport to the College/place of stay	Pune, Maharashtra 240 Km, 4 Hrs

With regards

Place: Kolhapur

Date: 01.11.2015



  
**Principal**  
(DR. VASANT BABURAO HELAVI)  
PRINCIPAL  
Government of Maharashtra  
RAJARAM COLLEGE KOLHAPUR



# **RAJARAM COLLEGE, KOLHAPUR**

**(Estd. 1880)**



## **Self-Study Report**

**(2010-2015)**

**Submitted to:**  
**National Assessment and Accreditation Council (NAAC),**  
***Bangalore.***

**Dr. Vasant Baburao Helavi,**  
**Principal, Rajaram College, Kolhapur**  
**Mobile: 9421175084**  
**Phone (O): 0231-2537840**  
**(R); 0231-2520855**  
**Fax: 0231-2531989**  
**E Mail: [vbhelavi@gmail.com](mailto:vbhelavi@gmail.com)**  
**Website: [www.rajaramcollege.com](http://www.rajaramcollege.com)**

**Dr Rajkumar Motilal Kamble,**  
**Co-ordinator, NAAC,**  
**Rajaram College, Kolhapur**  
**Mobile: 9850169912**  
**Phone (O): 0231-2537840**  
**(R); 0231-2694491**  
**Fax: 0231-2531989**  
**E Mail: [rajkumarkamble69@gmail.com](mailto:rajkumarkamble69@gmail.com)**

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## UGC XII Plan Letter

विश्वविद्यालय अनुदान आयोग  
पश्चिम विभागीय कार्यालय  
गणेशखिंद, पुणे - ४११००७  
University Grants Commission  
Western Regional Office  
Ganeshkhind, Pune - 411007.



दूरभाष Phone: कार्यालय OFF:- 020 - 25696897  
020 - 25691178

फॅक्स Tele Fax.: 020 - 25691477  
Website - www.ugc.ac.in

F. No 11-24/13(WRO)

Date: 28.03.2014

The Principal,  
Rajaram College,  
Near Shivaji University,  
Vidyanagar,  
Kolhapur - 416004.

Subject: XII Plan allocation under General Development Assistance to Colleges.

Sir/Madam,

I am directed to convey the approval of the UGC to **Rajaram College, Vidyanagar, Kolhapur-416004** the XII plan allocation of Rs.3112125/- under the "General Development Assistance" for the development of undergraduate and postgraduate education. The UGC in the XII Plan has decided to provide grants under General Development Assistance as 'Block Grant'. The college will have the flexibility to incur expenditure under the following heads as per the needs of the college. Accordingly, grant allocated under GDA to the college is under two object heads viz. Grant-in-aid General (31) and Capital Assets (35).


Capital Assets (35) 80% of total allocation	Grant-in-aid General (31) 20% of total allocation	Total
Rs.2489700/-	Rs.622425/-	Rs.3112125/-

- The above mentioned allocation is meant for the development of undergraduate and postgraduate education.
- The college has to constitute a Planning Board with Principal as Chairman and Heads of departments, IQAC Coordinator, Librarian & Bursor/Senior person from the Accounts department as members
- The Planning Board will finalize allocation to Undergraduate and Postgraduate departments after identifying the heads and deciding on priorities of departments.
- The eligibility criteria for Undergraduate and Postgraduate departments to get assistance under the scheme is given in the XII plan guidelines for Development grant to colleges.
- The Planning Board may refer to the guidelines before finalizing allocation to Undergraduate and Postgraduate departments
- After finalizing the budget allocation for Undergraduate and Postgraduate education, the Planning Board should submit the details as per Annexure - I and Annexure - II in the XII plan guidelines to the UGC (WRO), Pune latest by 30<sup>th</sup> June 2014.
- Expenditure on construction, extension, and renovation of building should not exceed 50% of the total grant under GDA. The college must inform the requirement of funds or otherwise for construction, extension, and renovation of building before 30<sup>th</sup> June, 2014 to enable further release of grant under the scheme.
- UGC has already released adhoc on account grant to the college against this XII Plan allocation.

16.4.2014


- The concept of Merged Schemes introduced during the XI Plan has been done away with and no separate grant under the Merged Schemes will be provided during the XII Plan.
- It is also mentioned here that the following schemes which were earlier part of Merged Scheme now will be implemented independently by a dedicated cell of UGC at Head Quarter, New Delhi and separate grant will be provided by UGC under these schemes.
  - (i) Equal Opportunity Cell.
  - (ii) Remedial Coaching for SC/ST/OBC (non-creamy layer) and minority community students.
  - (iii) Coaching for NET for SC/ST/OBC (non-creamy layer) and minority community students.
  - (iv) Coaching Classes for Entry into services for SC/ST/OBC (non-creamy layer) and minority community students.
  - (v) Scheme for persons with disabilities.

Yours sincerely,

  
 [Dr. (Mrs.) Renu Batra]  
 Joint Secretary.

Copy to:

1. The Director BCUD/CDC University of Shivaji
2. The Director, Higher Education, Govt of Maharashtra, Central Building Pune-1.
3. Account General, Govt of Maharashtra state, 101, Maharshi Karve Marg, Mumbai -20.
4. Guard file.

  
 [Dr. (Mrs.) Renu Batra]  
 Joint Secretary.



(Government of Maharashtra)  
**RAJARAM COLLEGE, KOLHAPUR**

◆ NAAC Steering Committee ◆

<b>Principal Dr. Vasant B. Helavi</b>	<b>: Chairman</b>
<b>Dr. Rajkumar M. Kamble</b>	<b>: Co-ordinator</b>
<b>Dr. Vijaykumar M. Bhuse</b>	<b>: Member</b>
<b>Ms. Shobhana A. Jadhav</b>	<b>: Member</b>
<b>Dr. Ms. Yasmin C. Attar</b>	<b>: Member</b>
<b>Dr. Ms. Sneha S. Joshi</b>	<b>: Member</b>
<b>Dr. Ms. Ketaki K. Patankar</b>	<b>: Member</b>
<b>Dr. Dhananjay P. Devalalkar</b>	<b>: Member</b>



## PREFACE

Rajaram College, Kolhapur holds a unique position in the academic landscape of Western Region of Bombay State for more than 135 years. Founded as it was way back in 1880, the college was naturally influenced by the pre-independence ethos. Right from its inception, it catered to the needs of the common students coming from all over the states and the rural background in the vicinity of Kolhapur. As the facility of collegiate education was scarcely available in those days, generations of students sought higher education in the portals of this college.

It is significant that the first Vice Chancellor of the Shivaji University, Dr A.G. Pawar, was the Ex-Principal of this college and the very concept of the University was visualized by Dr. Balkrishna, another Ex-Principal of our college. Dr. D.C. Pawate, the first Vice Chancellor of Karnataka University, Dharwad was an alumnus of this college. Barr. Khardekar was yet another Ex-Principal of this college, who earned accolades as a celebrated Professor of English Language and Literature here and abroad.

Kolhapur, well known as a Historical place, was also one of the renowned States in India before Independence. The college is named after the great Maharaja of the State, His Highness Rajaram Maharaj, who had a great zest for the spread of Education. It is significant that the two great deities of Maharashtra, namely, the Mahalaxmi and Shree Jotiba, have their permanent seats in the form of their Temples in and around Kolhapur. It is also to be remembered that the memory of Shivaji the Great, is refreshed whenever one looks at the famous Fort of Panhala, proudly standing in the neighborhood of the city of Kolhapur.

Initially, Rajaram College was housed in the Building of the old Palace of the Maharaja in the heart of the City. It was later shifted in 1968 to the present building constructed on the vast expanse of 66 acres of the campus.

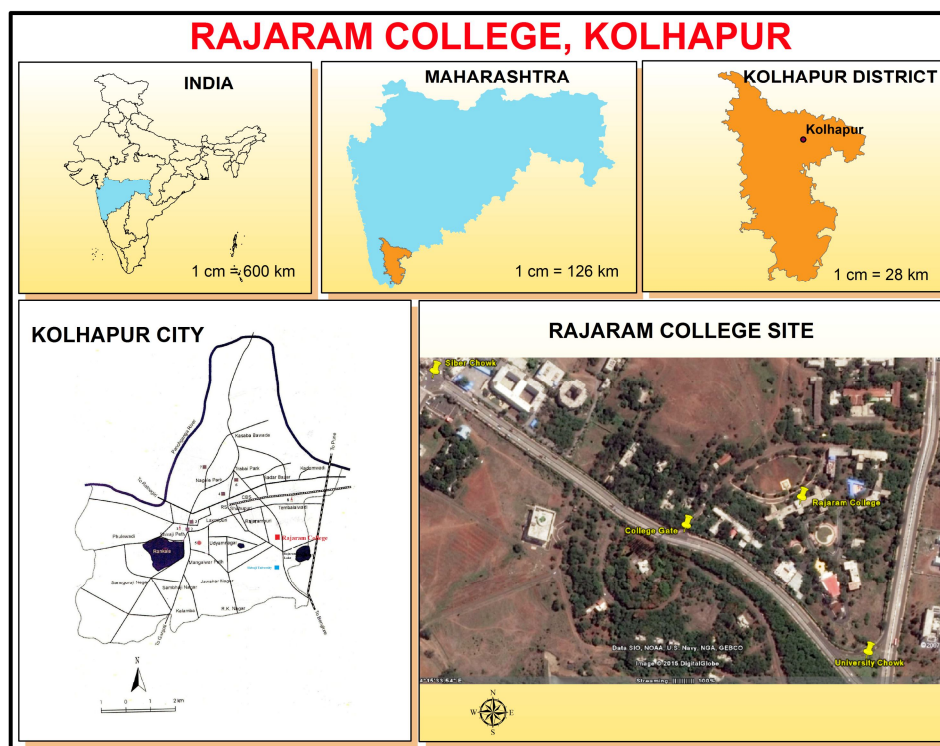
As it is a Government College, it is managed according to the rules and regulations of the Government of Maharashtra. It was assessed and accredited with 'A' grade in 2003. Since then it has been developed in many ways keeping in view the Motto- '*Quality Education for Personality and Nationality*'. It has been imparting higher education to the underprivileged and the disadvantaged sections of society. It should be remembered that the core values stipulated by the NAAC are revisited time and again so as to enhance respect for a pluralistic and multicultural outlook and tolerance which form the base of any healthy society.

Some of the luminaries who figure in the list of our Alumni include the following names: Gopal Krishna Gokhale- The Guru of the *Father of the Nation*; Justice Mahadeo Govind Ranade -the noted Social Reformer; B.D. Jatti- the Ex Vice President of India; Y.B. Chavan- the Deputy Prime Minister of India; Dr. J.P. Naik- the architect of Kothari Commission; Dr. Vasant Rao Govarikar- the renowned Scientist and the Architect of NAAC Philosophy and Dr. Arun Nigavekar- the first Director of NAAC and the Former Chairman of the UGC.

As for the recent past and the years of near present, we can boast of the inclusion of some very famous alumni making us proud: the winner of the 'Dnyanpeeth Award' and illustrious Poet Vinda Karandikar; the Chairman of NABARD, Dr. Yashvantrao Thorat-Patil; the first Olympic Bronze Medal Winner in

Wrestling, Khashaba Jadhav and Gold Medalist in the Sport of Shooting at Asian Games of 2010, Ms. Tejaswini Sawant.

Our teachers and students always remember and try to contribute in their own way to this glorious Heritage. We hope to make education purposeful by making our students competent global citizens by following 'Glocal' practices.



*Map of the Region/ Location of the Institution*

### **Principal's Message**

It gives me a great pleasure to submit the SSR of the college to the authorities of NAAC, Bangalore for the Assessment and Accreditation of this Institution. This is the second cycle of assessment and accreditation. Rajaram college, Kolhapur approached NAAC for the first time in 2003 and received 'A' grade.

This SSR is prepared by the joint efforts and involvement of the faculty and the staff of the college.

Since the first accreditation in 2003, the college has made a steady progress with constant efforts. It has resulted in many commendable achievements in various spheres of academic and other activities of college such as research, sports, infrastructure, social service, cultural programs and use of ICT in teaching learning process as well as Library and Administration.

This SSR is a significant document of quality assurance and it has provided us insights useful for quality enhancement. This is a kind of critical analysis of our efforts towards quality higher education in the light of our vision and mission.

I am grateful to all those who have contributed to the preparation of this SSR directly and indirectly. I take this opportunity to place on record the significant help extended to us by the authorities of the Government of Maharashtra.

I am sure, the efforts made by this college, during the last decade, will be appreciated by all the stakeholders of this institution.

We, the faculty and the staff, are looking forward to the visit of the NAAC Peer Team as an opportunity for a meaningful dialogue for the quality enhancement of this institution.

**Dr. Vasant Baburao Helavi**  
**(Principal)**

## Executive Summary

Rajaram College, Kolhapur is a Government college affiliated to Shivaji University, Kolhapur. The first assessment of the college was conducted by NAAC in 2003 and it was awarded 'A' grade. It is for the second cycle of assessment that the present SSR is being submitted to NAAC, Bangaluru. The college has been making steady and continuous efforts for the progress and quality improvement of the Institution in the light of our vision and mission. The progress of the college is recorded in the seven criteria formulae prescribed by NAAC. We are pleased to submit here an executive summary of our Self Study Report as required by the NAAC.

### Criterion No. I: Curricular Aspects

The curricula of the programmes conducted in the college are designed by the University. It is significant that several teachers of the college have contributed to the curriculum design of the University in the capacity of Chairmen and Members of the Boards of Studies in various subjects. With reference to curriculum-planning the college has a set mechanism consisting of academic calendar and academic diary; the system of internal and external academic audit and mentoring by the Heads of Departments. The curriculum implementation is also ensured by the Principal, the IQAC and especially by the Examination Committee. Conscious efforts have been made by the college to make use of modern information technology in the process of curriculum implementation. The introduction of the subjects: Marathi at B.A.III special level and Statistics at B.Sc.III special level has ensured academic flexibility by increasing choices for the students.

Various types of workshops for the curriculum enrichment have been arranged by the college separately and under the lead college scheme of the University.

Students' feedback on the curriculum along with their suggestions is duly obtained, analyzed and send to the respective Boards of Studies for further action.

### Criteria II: Teaching, Learning and Evaluation

The admissions are made strictly according to the rules and regulations of Government of Maharashtra. Online admission process has been introduced and implemented successfully. Due care is taken to ensure transparency and observance of reservation rules and the factor of merit. It is to be noted that the cut-off percentage of the merit list of our college has always been higher than that of any other college in the city.

Our student profile, with the presence of urban/ rural, marginal/ elite, educated/ less educated and male/ female diversity manifests great variety and our strength has been on a steady increase during last five years.

In order to cater the needs of these students, they are identified in the categories of slow learners and advance learners at the beginning of the academic year and bridge courses and add-on lectures are conducted for them. The differently abled students are taken care of by providing them necessary facilities.

As regards the teaching methods, a combination of traditional and modern methods has been made by blending lectures, tests, assignments, project works with seminars, group discussions, preparation of models and quizzes. A strong base for the

entire teaching activity is provided by the use of Information and Communication Technology.

Selected by the Public Service Commission of the Government of Maharashtra, our teachers are highly qualified. It is to be noted that 74% of the teachers are Ph. D degree holders and the government utilizes their services by deputing them on various committees of the University and Colleges.

Recently, the work of the First Year Examinations has been handed over to the colleges by the University. The examination committee of the college has created a set mechanism for the evaluation process and for declaring the results of internal and external examinations. It is to be noted that the college has rendered significant service to the University by conducting University evaluation work in the college during the teachers strike period. The Question Bank is provided to the students and the formative and summative evaluation system is in practice.

The learning outcomes of each programme have been defined and communicated to the students and other stakeholders through notice boards and University website, parents meetings and lectures at the beginning of the year. The academic audit committee always take a review of the students performance and learning outcomes. The students performance is constantly monitored by HOD's, IQAC, LAC and finally by the State Review Committee of Government of Maharashtra. The record of the last five years indicates that the results of the college have always been on higher side than those of the University. The students of the college have always figured in the Merit Lists of the University.

### **Criteria III: Research, Consultancy and Extension**

The research activities conducted in the college have been qualitatively significant and 'Promotion of Research Culture' has been one of the two best practices of the Institution. The Research Committee and IQAC of the college render a significant help and guidance to the faculty and students for the promotion of research.

The total amount of research grant sanctioned to the college is of **Rs 1.35 Crores**. In all thirteen research projects have been completed since 2010 and five research projects are in progress. Out of 38 teachers, 20 are recognized by the University as Research Guides. As many as 88 research scholars have been pursuing their research studies under their guidance. Fifteen scholars have been awarded Ph.D degree since 2010.

The college has successfully approached the following agencies for research mobilization: UGC, DAE, BARC, DST and Department of Environment, Government of Maharashtra.

During the last five years seven laboratories of the college have been recognized by the University for M.Phil and Ph.D research work. The other laboratories are also upgraded from time to time and necessary equipments purchased to facilitate research studies.

The college encourages the faculty and students to participate in International, National and State level conferences, seminars, workshops and symposia. Renowned research scholars are invited from time to time for promoting research culture and for meaningful interactions among the stakeholders.

The college has organized three National Conferences and one National Workshop for the promotion of research. Five research students have received the *Inspire Fellowships* from the DST. Encouragement and guidance is provided to the students for participating in Avishkar Competition in the field of Research.

It is significant to note that one of the students of the college received **International Award** as a *Young Scientist* in 2014. A member of the faculty has been named the *Best Research Fellow* by the Horticulture Association, U.P.

The total number of peer reviewed research publications during the last five years is **166**. The research publications significantly lead in **h-index, citation-index** and **high impact factor**. Four books have been published by the faculty during the said period.

The tradition of rendering service to the society is maintained and enriched through the two NCC units (1-Maharashtra Artillery and 5-Maharashtra Battalion) and the NSS. Our NCC cadets have participated in Republic Day Parade and won a gold medal. A girl student got prize in cultural performance at the same parade and also received *Ranragini Tararani Award* from the University.

The Government of Maharashtra have started an ambitious scheme for Gender Sensitization titled *Jagar Janivancha* at which our college has bagged three awards at the University and District level, the total prize amount coming to the tune of Rs. 2,50,000/-.

A students of the college won in 2014, an International award in *Wu-Shu* Competition. A girl student of our college has won several prizes in swimming.

The college has arranged many programmes and lecture series to promote Environmental consciousness among the students and society. It has also successfully organized the district level Youth Festival Programme of the University.

We have signed MoUs and established successful linkages with Industry and other Institutions.

Thus the college has consciously tried to promote the sense of service in various ways. The research consultancy and Extension work of the college has established a strong bond between the Institution and the Society.

#### **Criteria- IV: Infrastructure and Learning Resources**

The college has a wide campus area of 66 acres. It has well established infrastructure that includes: Main Building, Library, separate buildings for Science Departments, three Museums, Four Hostel buildings, Principals Quarter, Staff Quarters, Gymkhana with vast play grounds.

We received special grants of Rs 4.91 Crore for infrastructure development for all the necessary physical facilities. The expansion of infrastructure (in the form buildings) has been a continuous process accelerated in the last five years. The chief among this expansion is the radical renovation of the Auditorium named after *Shri Yashvantrao Chavan*. The construction of the New Administrative Block and Landscaping of the campus have been additional instances of infrastructural development.

Minority Ladies Hostel building, campus boundary wall and seven new Rain Water Harvesting tanks have been constructed. Separate buildings for Departments of Geology and Home Science are under construction.



Our college has one of the oldest and richest Libraries which could attract researchers to undertake a project for Ph.D thesis on it. The Library has a collection of 1,38,000 books and a number of reputed Journals along with rare manuscripts. It is equipped with INFILBNET service and Wi-Fi facility. It has 6,000 online e-journals and 90,000 e-books. Reprographic facilities are available in the Library. The process of library automation is in progress.

The college has 110 computers connected with high speed internet connectivity on account of optical fiber dedicated line with 50 MBPS.

Almost all the Departments have LCD facilities for effective teaching-learning process and also visualizer and interactive boards. The office area is under surveillance of CCTV and LED lamps on street poles and high mast lamps.

As it is a Government college the maintenance of the infrastructure is taken care of by P.W.D, Government of Maharashtra. The maintenance of computer and software is ensured with the help of outside agencies. A separate budgetary provision is made for the maintenance of all kinds.

#### **Criteria- V: Students Support and Progression**

On an average, 65% students receive various financial assistance in the form of Fellowships and Scholarships. The college has well established *Earn and Learn Scheme* and *Students Aid Fund*. The college has Placement Cell and Career Guidance Committee. The Library provides all the necessary services to students and research scholars. The college provides newly renovated Auditorium for practice and performance. The college has a Language Laboratory for the development of English Communication Skills. The annual magazine ***Rajaramiya*** is a platform for the expression of creative skills of the students.

The college has anti-ragging and prevention of Sexual Harassment Cell. It has grievance Redressal Cell and Suggestion Box System. It continuously tracks student's progress from U.G to P.G and P.G to Research. The college provides placement facilities on the campus.

It is found that most of the students prefer to go for higher education. Efforts are made to promote entrepreneurship.

The college consciously ensures the greater participation of students in various activities such as N.S.S, N.C.C, Cultural, Sports, Seminars, Conferences and Debates. The students have won various awards, prizes, colours, trophies in such activities.

#### **Criteria- VI: Governance, Leadership and Management**

The vision statement of our college visualizes overall development of students personality with a view to shaping him to become a responsible all round Indian citizen sharing a global outlook with a concern for local issues. Our leadership is consciously geared towards this end. The authorities of the Government of Maharashtra control the activities of the college. The institution has a set mechanism for the overall administration and promotion of leadership qualities. The mechanism includes the Principal, the Local Advisory Committee, Heads of the Departments, Co-ordinators of various Committees, Office Superintendent, Director of Physical Education and Rectors of the Hostels. The Student Council is represented on various committees. This system promotes the leadership qualities of the faculty and students. All of them work in the light of our vision and mission.

The systems of the distribution of work, participatory management and performance evaluation ensure the governance of entire realm of academic and administrative activities. This system of strategy development and deployment has achieved the desired objectives.

The college encourages faculty empowerment with specific strategies such as promotion of research, organization of seminars and conferences, deputing the members of faculties for orientation and refresher courses and FIP. It is worth mentioning that three members of our faculty had the honor of presenting papers at conferences abroad. Other than this, the faculties are encouraged to attend the training programmes on themes such as managerial skills, hands-on-training, entrepreneurship and value based training programmes.

With reference to financial management, internal and external audits are conducted according to rules and regulations of the Government of Maharashtra. The college makes conscious efforts to obtain grants from various funding agencies. The total amount of grants received during the last five years is **Rs. 14.25 crores**.

The Internal Quality Assurance Cell is very active and makes valuable suggestions to the authorities for the quality development of the college. It works for bench marking, policy making and the implementation of the decisions taken by the authorities.

The IQAC monitors the following activities: Academic Planning and Academic Audit, Administrative Calendar, Result Analysis, Students Participation and Progress, the Road Map of the College and Performance Evaluative System.

Most of the recommendations of the IQAC during the last five years have been accepted and implemented by the authority.

#### **Criterion VII- Innovations and Best Practices**

The college has developed Environmental Consciousness through three types of activities i) Activities conducted for the students on the campus, ii) Activities conducted for the students off the campus and iii) Research with reference to environmental issues which could fetch grants from the Government of India and Government of Maharashtra worth **Rs 8.5 Lacs**.

The wide campus area is made eco-friendly with the help of six rain water harvesting tanks, solar water heaters for hostels, vermi compost and pit type composting units and prevention of noise pollution system. The green audit is conducted every year. The college has organized various training programs to promote environmental consciousness such preparing Natural Colors, *Best From Waste*, use of Wild Vegetation for better Nutrition.

Various types of seminars and workshops have been conducted by the college to promote the awareness of biodiversity, consciousness of pollution control and conservation of Eco System.

Following are the innovative practices adopted by the college during the last five years:

- |                              |                             |
|------------------------------|-----------------------------|
| i) Samvedana Manch Activity, | ii) Ready Reference Pattern |
| iii) Green Corner Concept    | iv) Sky Watch               |

The college would like to highlight two of its activities as Best Practices:

- |                                 |                                  |
|---------------------------------|----------------------------------|
| 1) Empowerment of Girl Students | 2) Promotion of Research Culture |
|---------------------------------|----------------------------------|

#### **1) Empowerment of Girl Students:**

A number of lectures (13), Workshops (11), Health check-up camps (3), Competitions (14) and Training Programmes (3) have been conducted during the last 5 years. These activities have been successful in getting several awards and recognitions at the International, National and State Levels.

Ms. Sanyogita Patil has found a place in the **Guinness book** of world records for mass performance of Bharatnatyam.

## **2) Promotion of Research culture:**

- 20 teachers out of 38 recognized Research Guides
- 09 Major and 07 Minor Research Projects completed; 05 MRPs in progress
- 15 Research scholars received Ph.D degree and 88 pursuing M.Phil and Ph.D
- Total Research Grant sanctioned Rs 1.35 crores
- 7 laboratories recognized as Research Labs
- 166 Research Papers published in Peer Reviewed Journals
- Significant high h-Index
- Involvement and active participation of students in Research Activities.

## **SWOC ANALYSIS**

### **STRENGTHS:**

1. Glorious Heritage (Since 1880)
2. Spacious Eco-friendly Campus of 66 Acres
3. Good Infrastructure
4. Rich, Well-stocked Library
5. Well Qualified Faculty
6. Excellence in Research
7. Tradition of Meritorious Students
8. Tradition of Awards, Medals, Prizes at International, National and State Levels

### **WEAKNESSES:**

1. Lack of Adequate Spaces for Certain Departments
2. Inadequate Number of Students especially for Humanities

### **OPPORTUNITIES:**

1. Introduction of PG and Skill Based COC Courses
2. Improvement in Consultancies
3. To strengthen the Placement Cell

### **CHALLENGES**

1. Academic Autonomy
2. Deemed University

### **FUTURE PLANS:**

1. Forensic Science Institute
2. PG and Skill Oriented Courses
3. Improving Consultancies
4. Common Facility Center for Research
5. Introduction of New Courses such as Astrophysics, Bio-Technology, B.Sc in Home Science, Music and Drama, Marine Biology and Nano-Technology.

## PART I: INSTITUTIONAL DATA

### A) PROFILE OF THE INSTITUTION:

#### 1. Profile of the Affiliated College

##### 1. Name and Address of the College:

Name :	Rajaram College, Kolhapur	
Address :	Sagarmal, University Road, Kolhapur	
City :	Pin :416004	State :Maharashtra
Website :	www.rajaramcollege.com	

##### 2. For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. Vasant B. Helavi	O:0213-2537840 R:0231-2520855	9421175084	0231-2531989	vbhelavi@gmail.com
Vice Principal	-	O: R:	-	-	-
Steering Committee Co-ordinator	Dr Rajkumar M. Kamble	O:0231-2537840 R:0231-2694491	9850169912	0231-2531989	Rajkumarkamble69@gmail.com

##### 3. Status of the Institution:

Affiliated College

Constituent College

Any other

(specify)

√

##### 4. Type of Institution:

###### a. By Gender

i. For Men

ii. For Women

iii. Co-education

√

###### b. By Shift

i. Regular

ii. Day

iii. Evening

√

5. It is a recognized minority institution? Yes ☐ No ☒

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence.

NA

##### 6. Sources of funding:

RCK-SSR-2015-16

Government	<input checked="" type="checkbox"/>
Grant-in-aid	<input type="checkbox"/>
Self-financing	<input type="checkbox"/>
Any other	<input type="checkbox"/>

7. a. Date of establishment of the college: **1880**  
b. University to which the college is affiliated /or which governs the college (If it is a constituent college)

Shivaji University, Kolhapur
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- c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks(If any)
i. 2 (f)	26 March 2010	Although college is established in 1880, the recognition certificate is obtained 26.3.2010
ii. 12 (B)	26 March 2010	

**(Certificate u/s 2 (f) and 12 (B) of the UGC Act is Enclose as Annexure II )**

- d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.): **N.A**

Under Section/ clause	Recognition/Approval details Institution/Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
i.	-	-	-	-

(Enclose the recognition/approval letter)

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges? ☒ Yes ☐ No

If yes, has the College applied for availing the autonomous status?

Yes ☐ No ☒

9. Is the college recognized

- a. by UGC as a College with Potential for Excellence (CPE)?

Yes ☐ No ☒

If yes, date of recognition: --- (dd/mm/yyyy)

- a. for its performance by any other governmental agency?

Yes ☐ No ☒

If yes, Name of the agency - and Date of recognition: ---- (dd/mm/yyyy)

10. Location of the campus and area in sq.mts:

Location *	Urban
Campus area in sq. mts.	<b>2,67,618.65 Sqm (66.13 Acres)</b>
Built up area in sq. mts.	<b>21,000 Sqm</b>

(\* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex with infrastructural facilities: : **Yes**
- Sports facilities-
  - \* play ground : **Yes, i) Volley-ball ii) Cricket**
  - \* swimming pool : **No**
  - \* gymnasium : **Yes, A separate building equipped with gym material and wooden tennis court is available**
- **Hostel,**
  - \* **Boys' hostel: Yes**
    - i) Number of hostels **01+01**
    - ii) Number of inmates **100+12<sup>#</sup>**  
[<sup>#</sup>Gents Hostel under (Earn & Learn Scheme): **12**]
    - iii) Facilities (mention available facilities): **Recreational Hall, Solar Water Heater, Library, Computer, Internet**
  - \* **Girls' hostel: Yes**
    - i. Number of hostels - **02**  
Number of inmates- - **50+100\***  
[<sup>#</sup> Minority Girls Hostel]
    - ii. Facilities (mention available facilities): **Recreational Hall, Solar Water Heater, Library, Computer, Internet**
  - \***Working women's hostel: No**
    - i. Number of inmates - Nil
    - ii. Facilities (mention available facilities) - Nil
- Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise):
  - **Principals Bungalow : 01**
  - Faculty Quarter : 12**
  - Staff Quarters : 05**
  - Cafeteria — **Snacks Stall is available**
  - Health centre —**First aid facility is available in all the buildings**

First aid, Inpatient, Outpatient, Emergency care facility, Ambulance.....

Health centre staff – **Nil**

Qualified doctor	Full time <b>No</b>	Part-time <b>No</b>
Qualified Nurse	Full time <b>No</b>	Part-time <b>No</b>

- Facilities like banking, post office, book shops:
  - Post office and Bank facility are available very near to Campus.**
- Transport facilities to cater to the needs of students and staff:
  - Bus stop is made available near the Entrance of College.**



- Animal house- **No**
- Biological waste disposal- **Yes, Vermi-composting Unit**
- Generator or other facility for management/regulation of electricity and voltage: **Yes, Electrical backup facility is available in Office and some Departments**  
**A separate generator is available for Auditorium**
- Solid waste management facility- **No**
- Waste water management- **No**
- Water harvesting- **Yes, 4 underground tanks of 50,000 Lit. capacity each**

12. Details of programmes offered by the college:

(Give data for current academic year: 2015-16)

Sr	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned /approved Student strength	No. of students admitted
1	Under-Graduate	B.A and B.Sc	3 years each	12 <sup>th</sup> Arts pass for B.A I and 12 <sup>th</sup> Sci pass for B.Sc I	B.A - Marathi & English, B.Sc- English	B.A.I-240 B.Sc.I-480	282 457
2	Post-Graduate	M.A Psychology	2 years	B.A pass	Marathi & English	40	35
3	Integrated Programmes PG						
4	Ph.D.	Botany, Physics, Chemistry, Microbiology, Home Science, Psychology & Geography	Minimum 2 years	PG in respective branch/ subject	English	-	80
5	M.Phil.	Chemistry	2 years	PG in respective branch/ subject	English	-	08
6	Certificate						
7	UG Diploma						
8	PG Diploma						
9	Any Other						

13. Does the college offer self-financed Programmes?

Yes ☒

No ☐

If yes, how many?

01- (Industrial Microbiology)

14. New programmes introduced in the college during the last five years if any?

Yes	√	No		Number	02
-----	---	----	--	--------	----

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	Departments(eg. Physics, Botany, History etc.)	UG	PG	Research
Science	Physics, Chemistry, Botany, Zoology, Mathematics, Statistics, Geology, Electronics, Microbiology, Industrial Microbiology	YES	NO	YES, Physics, Chemistry, Botany, Microbiology.
Arts	English, Hindi, Marathi, Economics, Geography, Home Science, Political Science, Sociology, Psychology, History	YES	YES Psychology	Geography, Home Science, Psychology.
Commerce	-	-	-	-
Any Other	-	-	-	-

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com)

a. annual system	-
b. semester system	03
c. trimester system	-

17. Number of Programmes with

a. Choice Based Credit System	01
b. Inter/Multidisciplinary Approach	-
c. Any other (specify and provide details)	-

18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes ☐ No ☒

If yes,

- a. Year of Introduction of the programme(s)..... (dd/mm/yyyy)  
and number of batches that completed the programme
- b. NCTE recognition details (if applicable)

# Notification

No.:.....Date:..... Validity:.....

c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes ☐ No ☒

19. Does the college offer UG or PG programme in Physical Education?

Yes ☐ No ☒

If yes,

a. Year of Introduction of the programme(s)..... (dd/mm/yyyy)  
and number of batches that completed the programme

b. NCTE recognition details (if applicable)

Notification No.: .....

Date: ..... (dd/mm/yyyy)

Validity:.....

c. Is the institution opting for assessment and accreditation of Physical Education Programme separately?

Yes ☐ No ☒

20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non teaching staff		Technical staff	
	Professor (CAS)		Associate Professor (CAS)		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University / <b>State Government</b>										
<i>Recruited</i>	-	-	6	7	14	05	42	03	01	00
<i>temporary</i>	-	-	-	-	04	01				
<i>Yet to recruit</i>	02	-	-	-	-	-	-	-	-	-
Sanctioned by the Management/ society or other authorized bodies <i>Recruited</i>	-	-	-	-	-	-	-	-	-	-
<i>Yet to recruit</i>	-	-	-	-	-	-	-	-	-	-
<i>Total</i>	02	-	06	07	18	06	42	03	01	00

\*M-Male \*F-Female

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
<b>Permanent teachers</b>							
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	01*	-	05	06	09	05	26
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-
<b>Temporary teachers</b>							
Ph.D.	-	-	-	-	02	-	02
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-
<b>Part-time teachers</b>							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-
<b>Total</b>	<b>01</b>	<b>-</b>	<b>05</b>	<b>06</b>	<b>09</b>	<b>05</b>	<b>28</b>

\* Principal

22. Number of Visiting Faculty /Guest Faculty engaged with the College. 24

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	2011-12		2012-13		2013-14		2014-15	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	102	4	116	69	137	96	171	113
ST	03	03	04	04	04	03	02	03
OBC	137	122	170	129	214	173	271	124
General	348	424	310	412	407	451	557	492
Others	-	-					-	-
	598	625	600	614	762	723	1001	832

24. Details on students enrollment in the college during the current academic year- 2015-16

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	1877	35	08	80	2000
Students from other states of India	5	2	-	-	07
NRI students	-	-	-	-	-
Foreign students	-	-	-	-	-
Total	1882	37	08	80	2007

25. Dropout rate in UG and PG (average of the last two batches)

UG

6.63

PG

21.07

26. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled )

- (a) including the salary component

Rs.

45,296

- (b) excluding the salary component

Rs.

9,979

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes

☐

No

☒

If yes,

- a) is it a registered centre for offering distance education programmes of another University: Yes

☐

No

☒

- b) Name of the University which has granted such registration.

N.A

- c) Number of programmes offered

04

- d) Programmes carry the recognition of the Distance Education Council.

Yes

☐

No

☒

28. Provide Teacher-student ratio for each of the programme/course offered

29. Is the college applying for:

Accreditation : Cycle 1 ☐ Cycle 2 ☒ Cycle 3 ☐ Cycle 4 ☐

Re-Assessment: ☐

***(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re- accreditation)***

30. Date of accreditation\* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1: 08/01/2004 Accreditation Outcome/Result **A Grade (Score. 86.10)**

(Cycle2: ..... (dd/mm/yyyy) Accreditation Outcome/Result.....

Cycle 3: ..... (dd/mm/yyyy) Accreditation Outcome/Result.....

**\* *Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.***

31. Number of working days during the last academic year.

190

32. Number of teaching days during the last academic year

185

*(Teaching days means days on which lectures were engaged excluding the examination days)*

33. Date of establishment of Internal Quality Assurance Cell (IQAC)  
26.09.2013 (dd/mm/yyyy)

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

AQAR (i) 2010-11 AQAR: 30.10.2015

(ii) 2011-12 AQAR: 30.10.2015

(iii) 2012-13 AQAR: 30.10.2015

(iv) 2013-14 AQAR: 30.10.2015

(v) 2014-15 AQAR: 30.10.2015

35. Any other relevant data (not covered above) the college would like to include.  
(Do not include explanatory/descriptive information)



## **B) Criteria Wise Analytical Report**

### **CRITERION- I: CURRICULAR ASPECTS**

#### **1.1 Curriculum Planning and Implementation:**

**1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.**

**Vision:** “Quality Education for Personality and for Nationality”

**Mission:**

To impart quality education to students from all strata of society, to create and to stimulate a conducive academic atmosphere for Higher Education, to ensure values like Truth, Honesty, Character, Sacrifice among the Students by sensitizing them to various issues and problems of the society and to make them competent, global citizens, aware of new technologies and scientific temper.

**Objectives:**

- ❖ Imparting quality education for achieving overall personality development of the ‘Rajaramians’ through the resources in the college.
- ❖ Enabling students to face challenges of the ever-changing modern world and contribute to it in a meaningful way.
- ❖ To achieve excellence in the curricular, co-curricular and extra-curricular activities, which help students to make them competitive.
- ❖ To make teaching and learning an effective process so that students develop themselves into strong and sensitive citizens.
- ❖ To inculcate the values of honesty and responsibility as also sensibilities for overall development of students.

We communicate our vision and mission to all students, teachers and other stakeholders through;

College website, College prospectus, Advertisements, Alumni meetings, Parents Meetings, Display at prominent location in the campus.

**1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s)**

Our institution follows the curriculum designed by Shivaji University Kolhapur, which is implemented at UG and PG levels. The academic calendar is prepared by the relevant committee in the month of May, well before commencement of the academic year. It specifies the duration of the semester; co-curricular and extra-curricular activities to be conducted throughout the year. The same is printed in the prospectus.

The Heads of various Departments distribute academic and administrative work among the colleagues. The teachers prepare their individual teaching plans and the same is included in Academic Diary. The teachers are supposed to meticulously follow it while covering curriculum.

### **1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?**

The institution receives regular circulars, letters, and e-mail from Shivaji University, Kolhapur regarding the modifications in the curriculum. Whenever the university makes changes in syllabus, they organize workshops and orientation programmes for discussion and implementation of syllabi. Our principal encourages teachers to attend such workshops and orientation programmes. College faculties receive all the needed support for effectively translating the curriculum and improving teaching practices.

- Whenever syllabus is revised, the University arranges orientation programmes, workshops and study groups for the benefit of the teachers. Some senior teacher from our college acts as resource person at these activities. Teachers are deputed to attend the same. A separate budgetary provision is made for implementation of these activities.
- The teachers are deputed for FIP and QIP as per rules. They also attend Orientation, Refresher courses and Summer Schools arranged by the Academic Staff Colleges in the area. This proves very helpful in keeping the teacher updated about new contribution to knowledge and skills in the relevant subjects.
- The college organizes a seminar, conferences, workshops and research meets as in-house activities for the benefit of the teachers and students.
- The college provides library and e-learning facilities (INFLIBNET) to the faculty to effectively deliver the curriculum.
- The college undertakes upgradation of laboratories from time to time.
- Students 'feedback on teachers performance and curriculum is collected to make teaching-learning more effective. The Principal keeps the record of feedback analysis for further improvement of the faculty.

### **1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.**

- The college follows the curriculum and academic calendar designed by Shivaji University, Kolhapur and the college time-table committee prepares time-table after the discussion with Heads of the all Departments.
- Conventional and modern methods such as lectures, demonstrations, field visits, assignments, group discussions, projects, class tests, class seminars and ICT enabled activities such as PPTs, OHPs are used in teaching-learning process.
- The college library has a holding of more than one lakh titles full of important reference work, rare books and periodicals.
- Internet access is provided to the faculty for update in their respective subjects.
- Fully furnished and well equipped laboratories and special museum are made available in Science subjects.
- Field visits, projects, seminars, excursion tours and industrial visits are arranged regularly to make learning effective.

### **1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalization of the curriculum?**

- The college networks and interacts with the stakeholders from industry, research institutes and the university in effective operationalization of the curriculum. The Local Advisory Committee includes experts from the society, and industry, who ensure effective implementation of the curriculum. Internal Quality Assurance Cell includes experts from the industry. The faculty of the college who work on the university bodies also contribute to the networking and interacting with the beneficiaries.
- The students are given exposure and hands on experience of the industry through industrial visits organized by the Departments. The college has signed MOUs with reputed industries in the vicinity.
- The Companies and Corporate houses regularly organize campus interviews for placements under the guidance of our Placement and Career Guidance Cell. It is notable that a number of students have been selected by various MNCs, TNCs and PSUs during the last five years.
- The college faculty are invited as resource persons on academic and other research institutes. They are also encouraged to take up memberships of professional research agencies and participate in research activities to further enhance their research capabilities. The students are also motivated to actively participate in seminars and workshops for quality enhancement.
- Meetings of Board of Studies help the faculties to keep themselves abreast of the latest trends in their respective fields. Visits to the University Departments and the University Central Library also help to strengthen networking and interactions. The resource persons from various fields are invited for discussions, workshops and for professional interactions.

### **1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University? (number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.)**

The following faculty members are directly involved in designing curriculum.

**Table No.1.1 Contributions of the Institution and Staff Members**

Sr		Name of faculty	Particulars
1	Home Science	Dr. R. M. Kamble	BOS Chairman, Members of BOS, Academic Council, Management Council
2	Geography	Dr. K. A. Mali	
3	Psychology	Dr. A. S. Parit	Member of BOS, Member of BOE
4	Phy.Education	Dr. S.S.Hunswadkar	
5	Geology	Shri. S. V. Pathare	Member of Syllabus Sub committee
6	Botany	Dr.Ms. S. V. Toro	

7	Microbiology, Industrial Microbiology	Ms. S. A. Jadhav, Dr. D. B. Nakade, Dr. Ms. Y. C. Attar, Mr. A. B. Tikekar	Member of Syllabus Sub committee
8	Chemistry	Dr. V. M. Bhuse, Dr. Ms. K. K. Patil	Member of Syllabus Sub committee
9	Electronics	Dr. P. U. Lande	

**1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If “yes”, give details on the process (“Needs Assessment”, design, development and planning) and the courses for which the curriculum has been developed.**

It is to the credit of this college that our Department of Microbiology was sanctioned a degree course in *Industrial Microbiology* by the UGC initially for a period of five years on condition that the college will accept responsibility of running it after five years on its own. The Government of Maharashtra, however, gave us permission to run the course as a regular sanctioned one. Our own teachers were instrumental in preparing the syllabus and other academic details for this course run as a self supporting one.

**1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?**

- The college conducts unit tests, terminal examinations, seminars etc for the students as a part of continuous evaluation. The college provides opportunities, particularly to weaker section and economically backward class. Special remedial coaching classes are conducting for backward and slow learner students.
- The college provides necessary Infrastructural facilities and organized extracurricular activities to ensure that the stated objectives of the curriculum are achieved.
- Feedback from students, parents are collected. Parent meetings are conducted for their feedback.

## **1.2 Academic Flexibility:**

**1.2.1 Specifying the goals and objectives, give details of the certificate/diploma/skill development courses etc., offered by the institution.**

On demand from the corporate world it is proposed to start a course in ‘Employability Skills’ from next year. A committee of teachers and experts with a view to preparing syllabus for this course has been formed and some meetings also have taken place. It is believed that the goals and the objectives stated will be fulfilled through the course.

**1.2.2 Does the institution offer programmes that facilitate twinning /dual degree? If “yes”, give details.: Not Applicable**

**1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:**

- Range of Core / Elective options offered by the University and those opted by

the college are given in following table.

- Choice Based Credit System and range of subject options: **M.A- Psychology range 100%**
- Courses offered in modular form: **No**
- Credit transfer and accumulation facility: **No**
- Lateral and vertical mobility within and across programmes and courses: **No**
- Enrichment courses: **No**

**Table 1.2: Range of Core / Elective options offered by the University and College**

Programme	Core options offered by the University	Core options offered by the College	Range of Core	Elective options offered by the University	Elective options offered by the College	Range of Core
B.A	02	02	100	30	10	30.0
B.Sc	01	01	100	24	09	37.5

**1.2.4 Does the institution offer self-financed programmes? If “yes”, list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.**

Yes. There is a graduation level self financed course in Industrial Microbiology. All the admissions are given on merit basis and the fee structure is decided by Government of Maharashtra. The teachers are selected by local committee as per UGC norms. The salary for these teachers is given as per guidelines laid down by UGC.

**1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If “yes” provide details of such programme and the beneficiaries: No**

**1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice”? If “yes” how does the institution take advantage of such provision for the benefit of students?**

YES, in our college the students of M.Sc.in Food Science Management under IGNU, sub center SNDT University, Mumbai taken guidance for their research work by research Guide in the Department of Home Science. M.Sc (T&D) students in Chemistry take the guidance in this college.

### **1.3 Curriculum Enrichment:**

**1.3.1. Describe the efforts made by the institution to supplement the University Curriculum to ensure that the academic programmes and Institution’s goals and objectives are integrated?**

Lectures of experts and working scholars in the field are arranged from time to time for supplementing the university curriculum. The lectures in following subjects were arranged as detailed in the following table .

**Table 1.3: Efforts made by the Institution to Supplement the University Curriculum**

Department	Supplementary Topic	Name of Expertise and Scholar
Chemistry	NanoTechnology	Dr. S.D Delekar & Dr. P.S Patil
Physics	Nuclear Energy	Dr. Shivram Bhoje (Scientist)
Microbiology	Biotechnology, Transgenic animals and plants, Bioinformatics	Dr. K. Aruna, Dr. V.A Bapat Dr. K.D Sonavane
Geography	Remote Sensing GIS and GPS	Dr. S.S Phanalkar, Dr. S.P Mali
Botany	Mechanism of pollination in higher plants	Shri. Amol Kulavmode
Psychology	Workshop on Research Methodology and Writing research proposal	Dr. D.S Janbandhu, Dr. Sarjerao Salokhe
Home Science	Workshop on Modified Syllabus at B.A. Part II	Dr Asha Arya

**1.3.2. What are the efforts made by the institution to enrich and organize the curriculum to enhance the experience of the students so as to cope with the need of the dynamic employment market?**

In order to enrich the experience of the students they are encouraged to participate in the seminars and workshops (as detailed in below table) to cope with the dynamic employment market.

**Table 1.4: Efforts made by the institution to enrich and organize the curriculum**

Department	Efforts Made	Name of Industry	Beneficiaries
Microbiology	Two weeks Industrial training	i) Gokul Dhudh Sangh, Kolhapur, ii) Phyto Pharma iii) BAIS Pune.	35 to 40 students every year
Botany	Two days nursery training	Different nursery in Kolhapur	80 to 100 students every year
Chemistry	One day Industrial Visit	RCF - Mumbai	60 students every year
Home Science	One week On-Job training	Gokul Dhudh Sangh, Kolhapur	8 students

**1.3.3. Enumerate the efforts made by the institution to integrate the cross cutting issues such as gender, Climate Change, Environmental Education, Human Rights, ICT etc. into the curriculum?**

Various departments of our college organizes following programmes regarding the cross cutting issues, such as,

- Lectures of expertise on climate change and environment problems



- Poster presentation and exhibition on climate change
- Rallies on gender equality
- Documentary film shows related to environmental issues
- Lecture on human rights

#### **1.3.4. What are the various value added courses/enrichment programmes offered to ensure holistic development of the students?**

Our institution organizes different programmes throughout the year for holistic development of the students such as:

- Communication skill development programmes
- Inter University and College Competition : **Every Year**
- Self Defense Training
- Blood Donation Camps- **Once Every Year**
- Water analysis camps in different schools of Kolhapur city
- Blood Group Identification Camps- **Every Year**
- Different type of rallies, awareness programmes
- Jagar Janivacha programme on Gender Sensitization.

#### **1.3.5. Citing few examples enumerate on the extent of use of the feedback from stakeholders in enrichment of curriculum?**

Faculty members of our college discuss with students, parents and alumni the curriculum of Shivaji University, Kolhapur. Suggestions and recommendations of stakeholders are considered in the BOS meeting.

#### **1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?**

IQAC of our college monitors quality control through various committees working in the college like documentation of the various programmes and activities leading to quality enhancement. Head of the Departments and Principal monitor and evaluate the quality of teaching-learning process, research activities, infrastructure and learning resources and enrichment programs.

### **1.4 Feedback System:**

#### **1.4.1 What are the contribution of the institute in the design and development of the curriculum prepared by the university?**

Curriculum of the various courses is designed by Shivaji University, Kolhapur and many faculties of our college actively participate in the design and the development of the curriculum. A number of our teachers happen to be the members of the decision making bodies such as Boards of Studies, Faculty and Academic Council. Two of them have been working as Chairman, Board of Studies in Home Science and Geography. Thus their contribution to the design and development of curriculum of the University cannot be neglected.

#### **1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on curriculum? If yes how is it communicated to the university and**

**made use internally for curriculum enrichment and introducing changes/new programmes?**

Oral mechanism, open discussion with students, with parents in parent meet, with Alumni and feedback of all of these is analyzed. The suggestions of all these stakeholders are taken into consideration for curriculum enrichment.

**1.4.3 How many new programmes / courses were introduced by the institution during the last year? What was the rationale for introducing new courses/ programmes?**

No.

**Any other relevant information regarding curricular aspect which the college would like to include:** The college has recommended few new courses to include in Master Plan of year 2016-17 Shivaji University, Kolhapur.

## CRITERION II: TEACHING- LEARNING AND EVALUATION

### 2.1 Student Enrollment and Profile:

#### 2.1.1 How does the college ensure publicity and transparency in the admission process?

The institution ensures wide publicity to the admission process through the institutional website, prospectus and advertisement in regional Newspapers.

The transparency in the admission process is ensured by admitting students on merit basis and displaying on the Notice Board and Website both the general merit lists and admission list. The admissions in this college are governed by rules and regulations of the Government of Maharashtra and the Shivaji University, Kolhapur. A committee is formed to carry admission process smoothly. The names of the members are printed in College Brochure. The admission process to all the classes (from UG to PG) is carried out 'On Line' from academic year 2013-14 using 'www.rajaramcollege.com' website. Admission disputes are resolved by the Committee headed by the principal.

#### 2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

At the beginning of the every academic year, the class wise admission committees are formed. Applications are invited from the students in a prescribed format printed in prospectus for which there is a deadline. By considering the marks of previous examination a general/ group wise/ subject wise merit lists is prepared as per the rules and regulations of University and Government. The list of students to be admitted is displayed on notice board and college website. In total three such merit lists are displayed and admissions are given list wise to all classes (from UG and PG).

From academic year 2013-2014 online admission process is introduced using website, 'www.rajaramcollege.com'

For M.Phil. and Ph.D. course a common written test is conducted by University. Qualifying students appear for an interview by considering merit of both examination, selected students are allotted to respective college centers.

#### 2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

The following comparative tables indicate that better students are invariably attracted to our college for admission every year because of our strong infrastructure, long standing reputation and meritorious faculty.

**Table 2.1 Percentage of minimum and maximum marks at entry level**

Class	B.A. Part I		B.Sc. Part I	
	Min. %	Max. %	Min. %	Max. %
Rajaram College	40.4	83.3	40.1	94.2

Other Colleges					
1	Vivekananda College	35.00	88.92	36.85	91.54
2	The New College	43.53	84.61	39.38	85.38
3	G.K. Gokhale College	36.22	71.00	37.83	75.38
4	Shahu College	35.00	81.23	35.00	82.76

**2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If ‘yes’ what is the outcome of such an effort and how has it contributed to the improvement of the process?**

There is no elaborate arrangement for reviewing the admission process and student profiles annually but at the level of the Principal and Heads of Departments due notice is taken of maintenance and improvement of the students of merit seeking admission to this college. This results in highlighting the presence of better students along with average ones.

**2.1.5 Reflecting on the strategies adopted to increase/ improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion?**

Details of admissions and students diversity is as follows:

**Table 2.2 Program wise strength of Male and Female Students**

Particular	UG(%)			PG			M.Phil			Ph.D			Grant Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
No. of students	974 (54.6)	809 (46.4)	1783	27 (54)	23 (46)	37	06 (75)	02 (25)	08	49 (61.1)	31 (38.9)	80	1056 (54.9)	865 (45.1)	1921

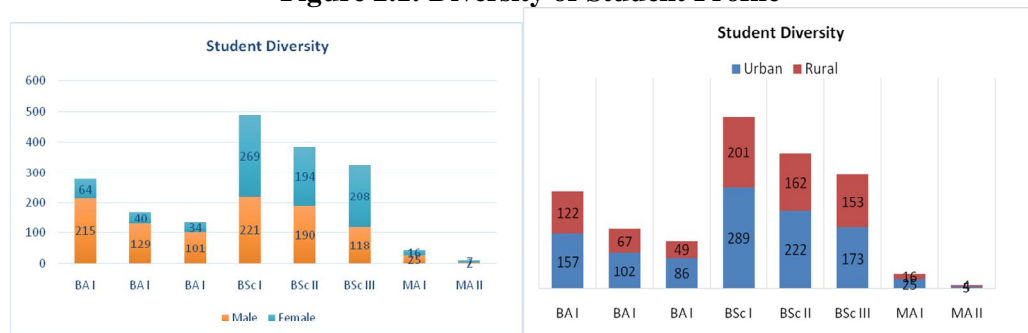
The Table 2.2, clearly establishes the fact of female students trying to reach the higher percentage of UG and PG students admitted to this college. As for courses like Ph.D the ratio for Male and Female is 6:4 which also indicates a larger number of females going in for the highest courses in HE.

The Table 2.3, Indicates strict observance of Mandatory Government Rules regarding admissions to the major categories.

**Table 2.3 Programme wise Strength of Categories Students**

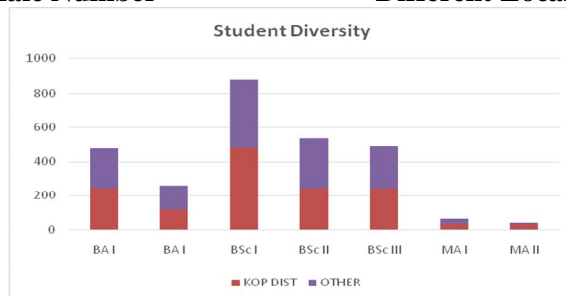
Course & Intake	SC		ST		VJ (A)/ NT (B)/ NT (C)/ NT (D)								OBC		Open		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
BA –I, 240	47	15	1	-	4	-	7	1	14	2	8	-	27	8	107	38	215	64
BA –II,120	32	11	-	-	4	-	6	1	9	1	6	1	19	3	53	23	129	40
BA – III, 120	29	11	-	-	3	-	5	-	8	1	5	-	7	6	44	16	101	34
B.Sc.I, 480	28	27	1	1	3	3	4	5	7	8	5	5	36	55	137	165	221	269
B.Sc. II, 240	16	26	-	1	1	3	3	4	5	6	3	4	25	51	137	99	190	194
B.Sc. III, 240	15	17	-	-	2	2	3	3	5	6	3	3	22	35	68	142	118	208
M.A. – I, 30	4	5	-	-	-	-	1	-	1	1	1	-	9	5	9	5	25	16
M.A.. II, 30	-	1	-	1	-	-	-	-	-	-	-	-	-	1	2	4	2	7
Total, 1500	171	113	2	3	17	8	29	14	49	25	31	13	145	164	557	492	1001	832

**Figure 2.1: Diversity of Student Profile**



**Male female Number**

**Different Locales**



**Varied Backgrounds**

It is clear from the information given above diagrams that this Institution

admits student from diverse background, students from different locales and varied cultural and educational backgrounds showing our search for inclusiveness.

**2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.**

**Table 2.4 Demand Ratio for various Programs**

Academic Year	Programmes	No. of applications	No. of students admitted	Demand Ratio
2011-12	B.A	198	163	1:1.2
	B.Sc	1455	345	1:4.2
	M.A	40	31	1: 1.2
	M.Phil, Ph.D	Allotted by University	31	-
2012-13	B.A	173	134	1:1.3
	B.Sc	1795	399	1:4.5
	M.A	42	33	1:1.2
	M.Phil, Ph.D	Allotted by University	45	-
2013-14	B.A	212	197	1:1.1
	B.Sc	1885	498	1:3.8
	M.A	33	24	1:1.3
	M.Phil, Ph.D	Allotted by University	90	-
2014-15	B.A	324	279	1:1.1
	B.Sc	2025	490	1:4.1
	M.A	50	41	1:1.2
	M.Phil, Ph.D	Allotted by University	88	-

The data analysis indicates a continuous increase in demand ratio for Science subjects for last four years.

## **2.2 Catering To Student Diversity**

**2.2.1 How does the institution cater to the needs of differently abled students and ensure adherence to government policies in this regard.**

An elaborate arrangement of ramps near the Main Building, Library and Toilets comes as a great help to the differently abled students. The college has a policy to give priority to these students in their day to day work. They are not required to follow any queue.

**2.2.2 Does the institution assess the students needs in terms of knowledge and skills before the commencement of the programmes? If yes give details on the process.**

Yes. Before the regular teaching begins, the teachers, through interactive sessions get to know a student's attainment in terms of knowledge and skills. This leads to a kind of needs analysis. The teacher is then in position to take the students from known to the unknown.

**2.2.3 What are the strategies adapted by the institution to bridge the knowledge gap of enrolled students (Bridge/ remedial/ Add on / enrichment courses etc.) to enable them to cope with the programme of their choice?**

From academic year 2010, the institution has been conducting extra lectures for remedial course. For Students coming from other streams like Engineering, Pharmacy and Medical Science, special arrangement is made for guiding them and filling their gap of knowledge of Science subject with the help of teachers.

**2.2.4 How does the college sensitize its staff & students on issues such as gender, inclusion, and environment.etc?**

**Gender issues:** Elaborate discussions, lectures and workshops are arranged for the staff and students which sensitise them regarding the problems of Gender Harassment and its consequences. They are made aware of the Law of the Land about the issue. It is to be noted that the college has been recipient of the Government of Maharashtra award for the campaign 'Jagar Janivancha' thrice during the last two years.

**Inclusive Society:** In keeping with the mandates of the Indian Constitution, Higher Education Institutes are expected to inculcate values such as democratic equality, gender equality, secularism, avoidance of divisive categories like religion, caste, creed and color. The college arranges expert lectures on these issues from time to time to create awareness among the students and the staff of these issues.

**Environmental issues:**

Various issues related to environmental pollution, conservation and protection are discussed to create Environment awareness. The college has organized various extension activities through Environmental Science Department. NCC and NSS units of the college undertakes activities such as exhibition and sell of articles prepared by students from waste material. It is to be noted that the Institution has got its Green Audit made.

**2.2.5- How does the institution identify and respond to special educational / learning needs of advanced learners?**

Mostly the advanced learners are identified from the merit list prepared at the time of admissions; class interactions during lectures and after the class tests.

- Such students are helped in the following ways;
- Providing them with Reference materials such as Research articles,
- Keeping open access to the Library and Laboratories for them,
- Helping them with ICT related activities such as use of OHP, LCD, Power Point etc.
- Providing them financial assistance in the form of Fellowships like the *Dakshina Fellowship*,
- Guiding them for the *Inspire Research Fellowships*
- Motivating them to participate in research events like the *seminars, workshops, national, international conferences and 'Avishkar' at University and State level*
- Providing them guidance for PG Entrance Tests.

**2.2.6- How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged section of society, physically**



**challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided.)?**

The weaker sections of the students easily get identified from three sources; i) their marks lists of the earlier examination, ii) the teacher's interaction with them in the classroom and iii) their performance in class tests and periodical examinations.

Such students are helped in the following ways;

- Slow learners are offered remedial coaching,
- Two extra lectures are allotted in the Time Table for their coaching,
- Individual guidance is given to them whenever necessary.
- Individual sets of books are offered to such students.
- Question banks are offered to the students for practice.

### **2.3 Teaching-Learning Process:**

#### **2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plans, evaluation blue print, etc.)**

Academic calendar is planned and published in the college prospectus and website before the commencement of the academic year. It contains information regarding working days, holidays and examination schedule. It is also displayed in the Principal's cabin, Library, Departmental buildings & in the common staffroom.

The time table committee decides the weekly schedule for lectures and practicals of each class. The Head of each Department allocates syllabus to the teachers and maintains departmental & individual time table as per the UGC norms.

Faculty members maintain their individual *Academic Diary* to keep daily record of curricular activity with teaching plans. This diary is duly signed by H.O.D and Principal.

The teaching learning & evaluation process is monitored by Principal, H.O.D. and IQAC committee.

The examination and evaluation schedule of Shivaji University is implemented by the college.

#### **2.3.2 How does IQAC contribute to improve the teaching-learning process?**

IQAC improves the teaching learning process by;

- Preparation of academic calendar
- Use of ICT (LCD, OHP, Interactive Boards)
- Academic audit
- Organisation of experts/guest lectures
- Analysis of feedback from stakeholders
- Special programmes for improvement of teaching and learning skills of teachers and students respectively
- Programmes conducted under lead college schemes of the University
- Interactive and participatory methods
- Supervising the process of identification of slow and advanced learners and providing special guidance accordingly
- Promoting collaborative and independent learning

#### **2.3.3 How is learning made more student-centric? Give details on support structures and systems available for teachers to develop skills like**

**interactive learning, collaborative learning and independent learning among the students?**

Learning is made more students centric through the following activities:

- Group discussions, debates, solving numerical problems,
- brain storming, conducting survey, best out of waste,
- model making, industrial visits study tours,
- laboratory visits (to other institutions) Science in daily life,
- Programmes like Science for Nation Building, Quiz,
- Seminars

These activities are carried out by the teachers under a set mechanism of different support services, of which the following are important:

- Library: Central and Departmental
- Laboratories
- Various academic committees
- Academic planning and audit
- Museums
- Departmental clubs

**2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?**

These are developed by providing them opportunities for the following:

**\*Critical Thinking:**

- By organizing group discussion on the current burning issues at ‘Sanvedana Manch’
- Guest lectures on a variety of topics
- Conducting seminars and referring research articles and research souvenirs
- Organizing lecture competitions / debate/ elocution / exhibitions

**\*Creativity:**

Publications of wall papers	College Magazine	Scrap Book,
Story Writing Competition,	Slogan Writing,	Essay Writing
Preparing Paper Flowers,	Gift Articles,	Tie and Dye,
Activities like ‘Best out of Waste’		

**\*Scientific Temper:**

Activities like:

‘Fun with Chemistry’

Finding Water Potability

‘Kal Aaj Aur Kal’

Detection of Blood Groups

Research paper presentation at various levels

Special lectures to promote Scientific temper.

**2.3.5 What are the technologies and facilities available and used by the faculty for effective Teaching? Eg: Virtual laboratories, e-learning resources from National Programme On Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile educations, etc.**

Besides Lecture method, following Educational Facilities are effectively used:

- Computer, LCD, OHP, Interactive boards
- Students and teachers use internet facility
- E-books and E-journals are provided under INFLIBNET
- A grant of rupees 2.00 crores has been sanctioned by the UGC under RUSA scheme and facilities like smart class room and additional computer laboratory are in the pipeline.

### **2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.) ?**

The following concrete steps were taken in this direction.

#### **\*Blended learning:**

- Traditional face to face classroom methods are blended with ICT related methods wherever needed.

#### **\*Expert lectures:**

- In all, 50 guest lectures dealing with advanced level of knowledge and skills were organised. Some of the significant topics covered were: Nanotechnology, Biotechnology, Transgenic plants, Transgenic animals, Advanced Interior Designing, Astro-physics, Bioinformatics and Remote Sensing).

#### **\*Workshops and Seminars:**

- Workshops organised by the college on: MatLab, C++ language, Robotic, Techniques in Molecular Biology, Research Methodology in Social Sciences.
- UGC-DAE-CSR-BARC sponsored National Level Workshop on 'Consortium for Scientific Research' organised by Department of Physics and Chemistry.
- Three other National Level Conferences were organised on i) 'Sacred grooves as repositories', ii) Materials for future technology and iii) Recent trends and future prospects in multidisciplinary approaches to Microbiology.

### **2.3.7 Detail (process and the number of student/ benefitted) on the academic, personal and psychosocial support and guidance services (professional counseling/ mentoring / academic advise) provided to students?**

Support Services and Guidance provided to the students:

#### **\*Personal and Professional Counseling:**

- First year students are made aware of choice of optional subjects, academic calendar, career guidance, scholarships, awards and prizes, information of various facilities and infrastructure available in the college. About 500 students benefitted each year from this activity.
- Counseling on issues like stress, anxiety, examination phobia, peer pressure and adjustment to changed environment. Beneficiaries- about 200 each year.

#### **\*Campus interviews: -**

- Kirloskar Oils, Infosys Technologies, Wipro Technologies, ICICI Banks, Patani Computers, Ethoxy Ether, Infosys- BPO, Merchant Navy. Total beneficiaries: 11 on campus (500 off campus).

#### **\*Mentoring:**

- Slow and Advanced Learners are given personal guidance

#### **\*Academic Advice:**

- Providing question banks, model answers, recent information on websites, PG entrance guidance, guidance regarding NET/SET/GATE and other competitive examinations.

**2.3.8. Provide details of innovative teaching approaches/ methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on students learning?**

The innovative teaching methods/approaches:

- Use of ICT tools such as LCD projectors, Interactive boards, Audio-visual devices like animated teaching.
- Developing models in subjects like Physics, Mathematics, Chemistry, Electronics and life sciences.
- Production of teaching material by faculty and students:
  - Preparing charts, practical manuals and booklet
  - Publication of text books and reference books
- Arts and Science streams arrange skit, dramas, extempore elocution and debates for making classroom teaching effective.
- 'Ready Reference Pattern' activity implemented in Microbiology and Industrial Microbiology.
- 'On Job Training' is provided to students of Home Science and Industrial Microbiology.

The impact of such innovative teaching approaches:

- The examination results constantly increasing
- The percentage of entrepreneurship (of the students) increasing
- Enrichment of student's personality
- Number of students pursuing Higher Education and Research on increase

**2.3.9 How are Library resources used to augment the teaching-learning process?**

- The college has a Central library and various Departments also have their Departmental libraries. The Central library has a glorious tradition and its collection includes rare manuscripts, books and journals rarely available elsewhere for researchers.
- The library has a spacious reading room and a separate room for the students preparing for competitive examinations.
- WiFi facility available in Reading Room
- Online UPS system
- E-resources hosted through INFLIBNET services
- Computerization of Library services (Vidyasagar Software, Online OPAC counter)
- Reprographic facility available
- Question bank, question papers and syllabi available

**2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If yes,' elaborate on the challenges encountered and the institutional approaches to overcome these.**

**Table 2.5 Challenges encountered and Approaches to over come**

<b>Challenges faced</b>	<b>Probable reasons</b>	<b>Approaches to overcome These</b>
Inability to cover syllabus with stipulated time frame	i) Examination Schedule ii) Activities like NCC, NSS camps iii) Sports Activities iv) Extended period of Assessment v) Delay in Declaration of University results	i) The schedule of classes is to be adjusted according to the need and extra classes called. ii) Provisional admissions given so as to start classes before admissions are finalised.

**2.3.11 How does the institute monitor and evaluate the quality of teaching learning?**

Ways of monitoring and evaluating the quality of teaching and learning:

- Internal Academic Audit Committee Activity
- Academic Audit conducted by the University
- Feedbacks on performance of teachers in printed forms
- Reviews of teachers performance and examination results by the LAC.
- Monitoring by the State Government Review Committee

**2.4. Teacher Quality:**

**2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.**

The institution has adopted following strategies in order to meet the changing requirements of curriculum with reference to faculty recruitment:

*It is to be noted that as many as 74% teachers of this college happen to have Ph.D degree in their respective discipline.*

**\*Recruitment strategy:**

- The entire recruitment process administered by Government of Maharashtra.
- The teachers selected by Maharashtra Public Service Commission (MPSC).
- The posts of teachers on contract basis filled by the Director of Higher Education, Pune.
- The Principal authorised to appoint Clock hour basis (CHB) teachers in consultation with a committee.

**\*Retaining strategies:**

The retention of the eminent faculty is ensured by the providing the following facilities:

- Timely promotions and placements
- Sanction of various leaves

- Staff quarters
- Increase in the Superannuation Age Limit
- All Government facilities like Pension, Gratuity, P.F.
- Felicitation for notable achievement.

**Table 2.6 Available Human Resource**

Highest Qualification	Professor*		Associate Professor (CAS)		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D.Sc./D.Lit							
Ph.D	1		5	6	11	5	28
M.Phil	0	0	0	0	0	0	0
PG	0	0	1	1	5	2	9
Temporary Teachers (on contract)							
Ph.D	0	0	0	0	0	0	0
M.Phil	0	0	0	0	0	1	1
PG	0	0	0	0	0	1	1
Part - time Teachers							
Ph.D	0	0	0	0	0	0	0
M.Phil	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0

\* Principal

**2.4.2 How does the institution cope with the growing demand/scarcity of qualified senior faculty to teach new programmes/modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.**

- The college has sent proposals to State Government to sanction new courses like Biotechnology, Forensic Sciences, Music- Drama, Astrophysics, Drug synthesis, Nano Science and others. The Government sanction of the proposals regarding new courses is awaited.
- In the mean time the college departments have organised seven expert lectures on new areas like Bioinformatics, Biotechnology and Nanotechnologies, Genetic Engineering.
- Workshop on Hands on techniques in Molecular Biology.
- The existing staff of the college is involved in doing research relevant to the above mentioned areas. Hence they are ready to share the additional responsibility of teaching in new areas.

**2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.**

**a) Nomination to staff development programmes:**

**Table 2.7 (a): Staff Development Programmes**

<b>Academic Staff Development Programmes</b>	<b>No. of faculty nominated</b>
Refresher Courses	14
HRD Programmes	02
Orientation Programs	08
Staff training conducted by the University	60
Staff training conducted by the other University	05
Summer/Winter Schools, workshops, etc.	63

**b) Faculty Training programs organized by the institution to empower and enable the use of various tools and technology for improved teaching - learning:**

The college organizes various workshops and training programs to empower and enable faculty to use technology, innovative methods, to create and manage e-contents, handling curriculum and assessment.

**\*Teaching learning methods/ approaches:**

**Table 2.7 (b): Faculty Development Program arranged by the college.**

<b>Sr</b>	<b>Workshop Themes/ subjects</b>	<b>Organizer</b>	<b>Date</b>	<b>Resource Person</b>
1	Techniques in Molecular Biology	Dept. of Microbiology	21/12/2010	Himedia Experts
2	Teaching and Learning Biology	Lead College Activity	29/12/2010	Dr. B.A.Karadage
3	Remote Sensing and Use of GPS	Department of Geography	15/02/2011	Mr. Sagar Mali
4	Workshop on Web Designing	Department of Hindi	14/09/2011	Mr. Ajit Shinge
5	On MatLab and C++ Language	Department of Mathematics	29/09/2011 30/09/ 2011	Shri. S.J. Kalgonkar
6	Research Methodology	Department of Psychology	05/01/ 2014	Dr. D.S. Janbandhu
7	Consortium for Scientific Research	Department of Physics and Chemistry	20/09/2015 21/09 2015	Dr. S. D. Kaushik UGC DAE CSR/BARC Mumbai



**\*Handling New Curriculum - (Syllabus /workshops organized in college)**

The syllabi of Geology and Home Science (UG) revised recently and so following programmes were arranged by the college:

**Table 2.7 (c) Handling New Curriculum**

Sr. No.	Name of The Organizing Department	Year and Date	Resource Persons
1	Geology	10/08/2014	Dr. S.V Vadagbalkar, Dr. R.A. Suryavanshi, Prof. J.V. Khanapurkar Dr. P.T. Sawant
2	Home Science	7/09/ 2014	Dr Asha Arya, Dr Sayyad Rizwan Dr Ila Jogi, Prof.Siddharth Lokhande, Arc. Amar Mestri Prof. Jyoti Hiremath, Prof Anuradha Dubey

**\*Content/ Knowledge Management:**

- The important internet links to curriculum are provided by most of the Departments.
- Central and Departmental library linkage.

**\*Selection, development and use of enrichment materials**

- Total number of books written by faculty: 12
- Chapter in book written by faculty: 02

**\*Assessment:** Dr R.M.Kamble, Chairman, Board of Studies attended a workshop on 'How to formulate questions, its assessment and moderation' organised by Shivaji University, Kolhapur.

**\*Cross-cutting issues:** Gender equality topics are included in the syllabi of Social Sciences.

**c) Percentage of faculty**

- Faculties are invited as resource persons in Workshops/Seminars/Conferences organized by external professional agencies - 18 (International level - 2, National level - 9, State level - 7) that is 46.15%
- Faculties participated and presented papers in Workshops/ Seminars/ Conferences conducted/ recognized by professional agencies (year 2010-15) - *International level - 57, National level - 116, State level- 1, Total - 174.*

**Table 2.7 (d) Faculty Percentage**

Activity	International	National	State	Total
Resource persons	02	09	07	18
Paper presentation	57	116	1	174

Attendance at Seminars /Conferences	10	109	19	138
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**2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)**

Systems in place for recharging teachers:

- Promotion of research culture through major and minor research projects
- Study leave to faculty under FIP.
- Conducting conferences and workshops.
- Motivating faculty to write text books, Reference books, study materials.
- Publishing research papers in National, International journals.
- Obtaining recognition of laboratories for research work.

**2.4.5 Give the number of the faculty who received awards / recognition at the state, national and international level for excellence in teaching during last four years. Enunciate how the institution culture and environment contributed to such performance/ achievement of the faculty.**

**Table 2.8 Awards and Recognitions achieved by the teachers**

Name of the faculty	Year	Name of the Award/Recognition	Agency/ Body/Institute
Dr. K.A. Mali	2013-14	Best teacher	Rotary Club of Kolhapur
Dr.K.A. Mali	2014 -15	‘Bhugool Bhushan’	Shivaji University Bhugool Shikshak Sangh Kolhapur
Dr. S.S. Hunsawadkar	2013-14	Best volunteer in sports	District Sports Association

**2.4.6 Has the institution introduced evaluation of teachers by the students and external peers? If yes how the evaluation used for improving the quality of the teaching - learning process?**

Yes. The college has the mechanism to obtain feedback on teacher’s performance.

- The student's written feedback in a structured Performa is collected Department wise manually and analysed by respective Heads of the Departments.
- Where necessary, the concerned teachers are guided by the Principal and respective Departmental Heads for the improvement.
- The feedback from suggestion box is also equally considered.
- The internal academic audit committee evaluates the teacher’s performance.
- The external academic audit committee conducted by the University regarding the teachers performance.

- The API and KPI forms submitted by the faculty and the Principal respectively are evaluated by the Director of Higher Education, M.S., PUNE.

## **2.5 Evaluation Process and Reforms:**

### **2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes.**

The Institution communicates the evaluation process, examination pattern and the scheme of marking to the students and other stakeholders in the following ways:

- Website
- The system of slip discussions for practicals
- Notice board
- The tentative time table of examinations (internal and external) published in the prospectus and included in the academic planning
- Principal's address
- First lecture by the concerned teacher at the beginning of the academic year
- B.O.S. meetings and University circulars displayed on the notice board
- Parents meet

### **2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?**

#### **\*University Reforms:**

Institution follows the evaluation system given by the University.

- Recently (from 2010), the University has introduced the semester pattern of examinations.
- The University has entrusted the conduction and evaluation of all first year examinations to the colleges.
- The scheme of marking for some classes given by the University is 40:10, per semester. For P.G. classes it is 80:20.
- The practical examinations are conducted by the University.
- University has provided some options for internal examinations.

#### **\*College Reforms:**

Out of the options given by the University for the internal examination, the college has adopted the following:

- Assignments
- Project works
- Viva-voce
- Seminars
- Class tests
- Study tour reports

### **2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?**

- The college makes significant contribution to the University examination system by conducting Central Assessment Programme (CAP) in our college. We have received a letter of appreciation from the University for smooth conduct of the CAP.
- The college has a separate examination committee (having other separate class wise committees) that prepares the examination schedule and monitors the entire examination program.
- The grievances are taken care of by the Principal and the examination committee.
- The college follows *Online Communication Mode* for conveying the results to the University.

**2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.**

The following formative and summative evaluation approaches have been adapted by the institute.

**\*Formative assessment:**

- The personal counseling and usual discussions between the faculty and the students prepare the necessary background for the formative assessment.
- The elocution competitions, essay writing competitions, skit, quiz, model making, presentations, seminars and lectures by the students are the means to evaluate students comprehension, analytical skills, critical skills and social responsibilities.

**\*Summative assessment:**

The results of semester examinations, practical, project works, viva-voce, assignments, class tests, study reports, seminars are collected and the cumulative results in the form of marks are used for declaration of results.

**\*Impact:**

- Increase in the Institutional examination results
- The system renders significant help to the students in the preparation of various types of competitive examinations and PG entrance examinations
- Development of research aptitude among the students.
- Achievement of honors in the form of
  - Chancellor's Gold Medal (University),
  - Young Scientist Awards at International conference
  - Inspire fellowships
  - Avishkar prizes
  - Gold Medals at the Republic Day Parade,
  - ‘Ran Ragini Tararani’ Award,
  - a student (M. Jayashri Desai) bagged a Cash prize of Rs 51,000/- at the Elocution competition organized by newspaper ‘Lokmat’ in 2013-14.
  - Various prizes honours and colours in Cultural and Sport competitions at various higher levels (International, National, State levels) won by the students of the college.

**2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and**

**weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.)**

According to the University rules, the college has adopted the continuous internal assessment system. The transparency in the internal evaluation is ensured by the following ways:

- For the internal examination in sports activities, external experts are invited.
- Objective type questions like fill in the blanks, multiple choice etc. are used in the internal examination to ensure correct marking and impartiality.
- The internal marks are displayed on the notice board.
- Proper seating arrangements to ensure prevention of malpractices made.

The weightage assigned for overall development of students designed by the college are as follows:

- Behaviour - 15 %,
- Subject matter - 50%,
- Independent learning - 15%,
- Communication Skills - 10%
- Class Regularity and Punctuality – 10%.

**2.5.6 What are the graduate attributes specified by the college/affiliating University? How does the college ensure the attainment of these by the students?**

The graduate attributes defined by the college are:

- Capable of cultivating self learning habit
- A strong sense of civic responsibility
- Environmental consciousness
- Patriotism
- Soft skills and life skills
- Leadership qualities
- Awareness of Global Knowledge Society and Global Competencies
- Courage
- Hard work
- Tolerance
- Quest for excellence

The college ensures the attainment of the graduate attributes by students in the following ways:

- National Anthem at 10.28 a.m. every working day.
- Principal's Address.
- Code of conduct published in the Prospectus
- Celebration of special days such as: 26 January-Republic Day, 1 May- 'Maharashtra Din' and 'Labours Day', 15 August –Independence Day, 5 September- Teachers Day etc.
- Special lectures to inculcate moral and human values among the students.

- A separate *Discipline Committee* to maintain discipline.
- A special care for the security of Girl Students
- Special extension activities
- Cleanliness campaigns

**2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?**

The following are the set mechanism for the redressal of the grievances with reference to evaluation.

**\*College Level:**

- The college has the Examination Committee which takes care of grievances regarding internal evaluations.
- The final decisions are taken by the Principal with the help of committee
- On request, photocopy of the answer sheet is provided to the students and reassessment is undertaken. The direct interaction between the students and the teacher is in practice.

**\*University Level:**

The University Examination Grievance Redressal Cell deals with the grievances regarding University theory examinations.

- There is a provision of supplying photocopy of the answer-book to the concerned student.
- The system of re-evaluation wherein the answer-book, in question, is re-assessed by other examiner appointed by the University.
- The University has a special *Lapses Committee* to deal with the unfair practices during examinations.

**2.6 Student performance and Learning outcomes:**

**2.6.1 Does the college have clearly stated learning outcomes? If ‘yes’ give details on how the students and staff are made aware of these?**

Yes.

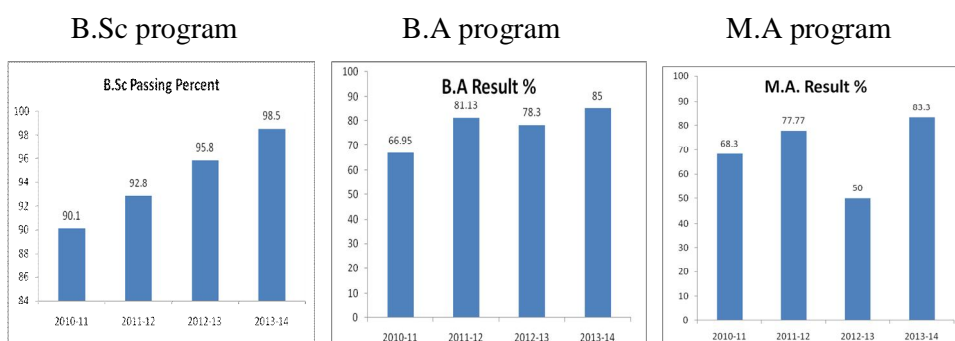
- The learning outcomes are defined by the University BOS committees of the respective subjects. They are clearly stated in the syllabi of the respective subjects.
- As the learning outcomes are available on the University website (online), they are known to the faculty and the students.
- The Principal, in the first staff meeting, encourages the faculty to communicate the learning outcomes to the students.
- The teachers discuss the learning outcomes in the classrooms at the beginning of the academic year.

**2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of course/ program? Provide an analysis of the students’ results/ achievements (programme/ course wise for last four years) and explain the difference if any and patterns of achievement across the programmes / courses offered.**

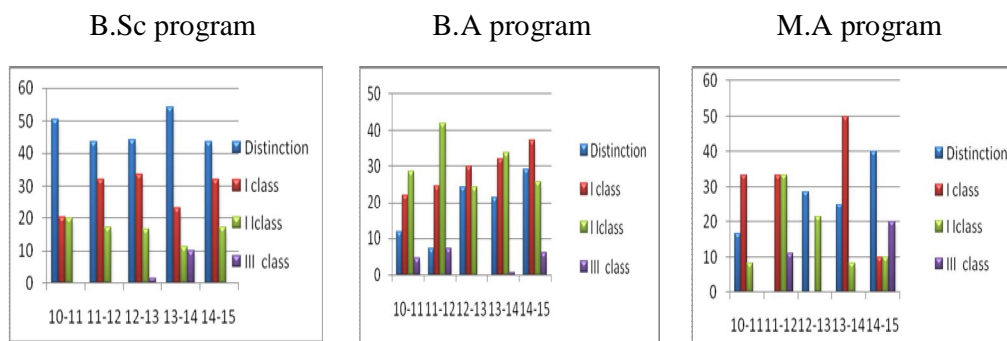
- The progress and the performance of the student is monitored mainly by the HODs, of the respective Departments, Result Analysis Committee and by the IQAC.
- The Principal takes the review of the students progress in the staff meetings.
- The Internal Academic Audit Committee and the State Level Review Committee of the Government of Maharashtra take the review of the students academic progress.
- The University Academic Audit Committee conducted the academic audit of the College in 2013-14 and the college secured the highest score: 90.7 %.
- The college communicates the students' progress to the stakeholders in the following ways; i) All the results are displayed on the notice boards, ii) the University displays the mark-sheets on its Website and the hard copies are sent to the college and the college distribute the mark-sheets to the students, iii) The students progress is discussed in the parents meeting.

The details of the result analysis and achievements of the students are as follows:

**Figure 2.2 Result Analysis**



The analytical diagrams reveal that the Percentage of results for B.Sc., B.A and M.A is constantly increasing with the exception of M.A in 2012-13.

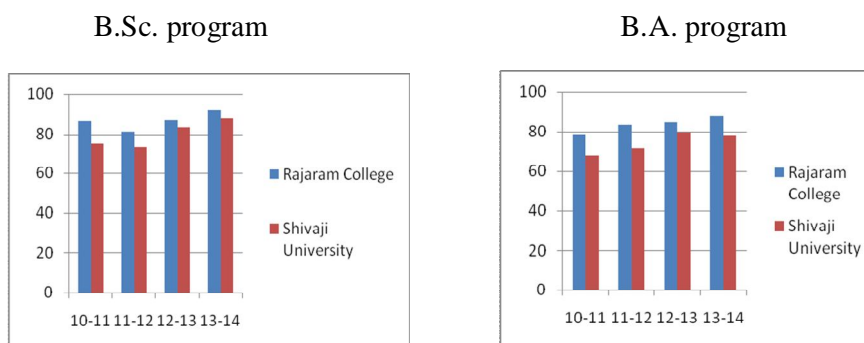


The above analytical diagrams indicate:

- The percent range of distinctions in the B.Sc. examinations is between 45-55.
- The percent range of distinctions in the B.A. examinations is between 12-28.
- The percent range of distinctions in the M.A. examinations is between 17-40.



**Figure 2.3. The comparison of the results of the College with those of University**



- It to be noted that compared to the results of University examinations (of B.Sc and B.A), the result of the Institution are always higher and increasing.

### **2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?**

The institution has established a clear mechanism to link teaching, learning and evaluation processes to the intended learning outcomes in the following ways:

- Completion of syllabus within stipulated period as per given in the academic calendar
- Teachers are trained to use ICT tools.
- Involvement of teachers in training and structuring the syllabus, setting question papers and evaluation of answer sheets.
- The weaker students are boosted with extra coaching and counselling.
- Advanced learners are given special attention.

### **2.6.4 What are the measures / initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?**

The initiatives taken by the Institution to enhance the social and economical relevance of the courses:

- Inviting professionals from various sectors to guide the students from time to time
- Conveying the job opportunities to the stakeholders at the time of Parent Meet, and Farewell Ceremony
- Offering 'On Job training'
- Displaying news paper cutting on notice boards
- A separate paper entitled, 'entrepreneurship development' has been introduced in syllabus at BA-III Home Science subject under the B.O.S Chairmanship of Dr R.M. Kamble.
- Arranging Industrial visits
- Organising study tours, poster exhibition, elocution and debate competitions

- Encouraging research aptitude by making the students participate in paper presentation at various conferences and seminars and activity like AVISHKAR.

#### **2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?**

The data is obtained through the results of various examinations and the students feedback on different courses. It is then analysed in categories such as i) Problems faced by slow learners, ii) Unfulfilled needs of the advanced students. This is placed before IQAC and discussed among HODs and the faculty. They decide upon measure to be taken next time when the course is taught. Thus the exercise proves helpful in planning and overcoming barriers of learning.

#### **2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?**

The achievements of the learning outcomes of the students are monitored by the following:

- i) *Head- Principal Meet*- Individual results and their analysis are discussed at length and suggestions evolved.
- ii) *IQAC*- The deliberation of i) above are placed for discussion before the members and their opinion sought.
- iii) *LAC*- The committee is made aware of the efforts of the Head and the Faculty.
- iv) *State Review Committee*- It is the highest body holding meetings at Pune and Mumbai. The report of deliberations of i), ii) and iii) above is discussed and instructions offered to the Institution.

#### **2.6.7 Does the institution and individual teachers use assessment/ evaluation outcomes as an indicator for evaluating students performance, achievement of learning objectives and planning? If ‘yes’ provide details on the process and cite few examples.**

Yes. The performance is classified in two categories, i) Advance, ii) Slow/ average. The best answers are discussed in the class and suggestions are made for their improvement. The performance of second category is also discussed and causes for errors found out and remedies sought.

## CRITERION – III

### RESEARCH CONSULTANCY AND EXTENSION

#### 3.1 Promotion of Research

##### 3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

Yes. At present, seven research laboratories are recognized by Shivaji University, Kolhapur. The Departments of Physics, Chemistry, Botany, Microbiology, Home Science, Geography and Psychology have separate recognized research labs and in these labs 80 Ph. D and 08 M. Phil. students are pursuing research. Twenty teachers of the College are recognized research guides of Shivaji University.

##### 3.1.2 Does the institution have a research committee to Monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Yes. Dr. V.B. Helavi (Principal) is Chairman and Dr. R. M. Kamble is Coordinator of the committee. Its members are Dr. V. M. Bhuse, Dr. K. A. Mali, Dr. Ms. Y. C. Attar, Dr. Ms. L. D. Jadhav and Dr. Ms. A. R. Patil

Few recommendations by the committee and their impact are:

- The research proposals are scrutinized.
  - Ongoing Major Projects: 05      Recommended for submission: 03
- The proposals for organization of seminars/conferences and workshops are assessed.
  - Organized three National level Conferences and one workshop.
- The teachers are encouraged to publish research papers/articles in National and International Journals.
  - 166 papers published in peer reviewed National and International Journals.
- The committee supports research scholars to apply to various funding agencies for financial assistance.

##### 3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research /schemes/projects?

- **Autonomy to the Principal Investigator:**

The College has given full academic autonomy to the Principal Investigators (PI) in proposing and executing projects. PI's have freedom to purchase books and chemicals and utilize contingency grant.
- **Timely availability or release of resources:**

The college has provided all facilities, resources to principal investigators and makes all necessary arrangements for timely release of funds as per norms of the funding agencies and demand of P.I. The College has purchase committee, which has formulated the rules for the purchase of equipments.
- **Adequate infrastructure and human resources:**

The college has well established research labs with internet. Some departments have separate research labs. College has a well stacked library with 1 lakh titles, references books and research journals.

- **Time- off, reduced teaching load, special leaves etc to teacher:**  
Under the existing rules, a remission of two lectures each is sanctioned to teachers who are Ph.D. guides. The duty leaves, such as leave for travel to an outside place of research, are sanctioned.
- **Support in terms of technology and information needs:**  
The college has provided technological facilities such as:
  1. E-Journals, encyclopaedias and books through N-List.
  2. Computers with internet facilities
  3. Reprographic facilities
- **Facilitate timely auditing and submission of utilization certificate to the funding authorities:**  
Yearly audit is done by authorized auditor and utilization certificates are submitted from time to time. The research committee and administrative office provides help in this respect.

### 3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

The following efforts are made towards motivating the students for research:

- Organizing visits to reputed research centres and labs for benefit of the students.
- Encouraging the students to participate in 'Avishkar' and 'Lead College' Workshops.
- Organizing competitions and exhibitions under activities of different clubs of the College.
- Arranging for the students an interaction with eminent Scientists.
- Assigning projects on different environmental and social issues.

### 3.1.5 Give details of the faculty involvement in active research (Guiding Student research, leading Research Projects, engaged in individual/collaborative research activity, etc)

The faculty members of the College are guiding students for Ph.D. and M. Phil. They are also involved in individual and collaborative research. The details are given in the following Tables.

**Table 3.1 Details of faculty guiding Ph.D./M. Phil. students (2010-15).**

Sr. No	Name of Faculty	Subject	No. of Ph.D. students		No. of M. Phil. students	
			Working	Awarded	Working	Awarded
1.	Dr. V. B. Helavi	Chemistry	08	-	02	-
2.	Dr. Ms. Y. C. Attar	Micro-biology	04	-	-	-
3.	Dr. B. D. Bhosale	Chemistry	-	-	01	-
4.	Dr. V. M. Bhuse	Chemistry	07	01	01	-
5.	Dr. Ms. A.J. Bodake	Chemistry	04	-	-	-
6.	Dr. R. V. Hajare	Geography	07	-	-	-
7.	Dr. S.S Hunswadkar	Phy. Edu.	03	05	-	-

8.	Dr. Ms. L. D. Jadhav	Physics	06	02	01	-
9.	Dr. Ms. S. S. Joshi	Physics	04	-	-	-
10.	Dr. R.M. Kamble	Home Science	06	02	-	-
11.	Dr. H. N. Kathare	Economic	06	-	02	-
12.	Dr. A. S. Khomane	Chemistry	02	-	-	-
13.	Dr. K. A. Mali	Geography	05	03	01	-
14.	Dr. D. B. Nakade	Micro-biology	05	-	-	-
15.	Dr. A. S Parit	Psychology	05	02	-	-
16.	Dr. Ms. K. K. Patankar	Physics	02	-	-	-
17.	Dr. Ms. A. R. Patil	Botany	02	-	-	-
18.	Dr. Ms. K. K. Patil	Chemistry	01	-	-	-
19.	Dr. Ms. S.C. Patil	Botany	01	-	-	-
20.	Dr. Ms. S.V Toro	Botany	02	-	-	-
<b>Total</b>			<b>80</b>	<b>15</b>	<b>08</b>	-

**Table 3.2 Details of faculty involved in leading Research Projects (2010-15)**

Sr. No.	Name of Faculty	Subject	Major projects		Minor projects	
			Ongoing	Completed	Ongo- ing	Com- pleted
	UGC sponsored					
1.	Dr. V. B. Helavi	Chemistry	01	-	-	-
2.	Dr. K. A. Mali	Geography	01	-	-	01
3.	Dr. Ms. A. R. Patil	Botany	-	01	-	01
4.	Dr. Ms. S. S. Joshi	Physics	-	01	-	-
5.	Dr. Ms. K. K. Patankar	Physics	-	01	-	-
6.	Dr. R.M. Kamble	Home Science	-	01	-	-
7.	Dr. H. N. Kathare	Economic	-	01	-	01
8.	Dr. B. D. Bhosale	Chemistry	-	-	-	01
9.	Dr. Ms. Y. C. Attar	Microbiology	-	-	-	01

	<b>Environment Department, Govt. of Maharashtra</b>					
10.	Dr. Ms. A. R. Patil	Botany	01	01	-	-
	<b>Collaborative Research Projects</b>					
11.	Dr. Ms. S.V Toro	Botany	-	01 (RG-STC)	-	-
12.	Dr. Ms. L. D. Jadhav	Physics	01(DRDO)	01 (BRNS)	-	01(UGC-DAE CSR)
13.	Dr. Ms. K. K. Patankar	Physics	01(UGC-DAE CSR)	-	-	-

**3.1.6 Give details of workshop/ training programmes / Sensitization programmes conducted / organized by the institution with focus on capacity building in term of research and imbibing research culture among the staff and students.**

The following Table gives details of activities with focus on capacity building in terms of research.

**Table 3.3 Workshop/Training Programs/Sensitization Programs organized by the College**

Sr.	Name of the Department	Particulars of Workshop / Seminar / Conferences / Training Programmes
<b>National Level</b>		
1.	Botany 1-2 Feb 2013	UGC sponsored National Conference on ‘Sacred Groves as a Repository for Ethno medicinal Plants’.
2.	Physics 26-27 Sept. 2014	UGC sponsored National Conference on ‘Materials for Future Technology’
3.	Microbiology 4-5 Oct 2014	UGC sponsored National Conference on ‘Recent Trends and Future Prospects in Multidisciplinary Approaches of Microbiology
4.	Physics 20-21 Feb 2015	Awareness workshop on “Consortium for Scientific Research” by UGC-DAE-CSR, Mumbai
<b>State Level</b>		
5.	Psychology 27-28 June 2014	Workshop on Research Methodology and Writing Research Proposal
<b>University Level</b>		
6.	Microbiology 21 <sup>st</sup> Dec 2013	Workshop on ‘Techniques in Molecular Biology’
7.	Economics/Chemistry 24 Feb. 2015	Recent Trends in Research Applications

College level		
8.	Physics 28 <sup>th</sup> Feb - 2012	Workshop on 'Elegant Universe' in association with 'Akashdarshan Mandal' Kolhapur
9.	Physics 28 <sup>th</sup> Feb 2014	Workshop 'EYES- 2014' conducted jointly by Physics Department and Indian Institute of Information Technology, (I <sup>2</sup> IT), Pune
Experts Lectures		
10.	Physics / Electronics 28 <sup>th</sup> Feb 2013	A lecture on 'Nuclear Energy and Career Prospectus in DAE' by Dr. Shivaram Bhoje, eminent scholar in Nuclear Reactors
11.	Research Committee 1 <sup>st</sup> and 22 <sup>nd</sup> Jan. 2014	Lecture series by Dr. R. S. Patil on 'Nanotechnology'
12.	Chemistry 30 <sup>th</sup> Dec. 2014	Lecture on 'Nanotechnology' by Dr. S. D. Delekar

### 3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

Faculty members of the college do research in variety of fields as listed below:

**Table 3.4 Research Guides and their Areas of Expertise**

Sr. No.	Subject	Name of the Research Guide	Expertise
1.	Chemistry	Dr. V.B. Helavi	Synthetic Chemistry
		Dr. V.M. Bhuse	Materials Science, Solid State Chemistry
		Dr. Ms. K.K. Patil	Chemical Kinetics
		Dr. Ms. A.J. Bodake	Synthetic Organic Chemistry
		Dr. B.D. Bhosale	Theoretical Chemistry, Chemical Kinetics
		Dr. A.S. Khomane	Materials Science
2.	Physics	Dr. Ms. S.S. Joshi	Thin Films
		Dr. Ms. L. D. Jadhav	Fuel cells and Electrochemical Energy Materials
		Dr. Ms. K.K. Patankar	Magneto-electric Composites
3.	Microbiology	Dr. Ms. Y. C. Attar	Environmental and Agricultural Microbiology
		Dr. D.B. Nakade	Agricultural Microbiology
4.	Geography	Dr. K.A. Mali	Cultural and Tourism Geography



		Dr. R.V. Hajare	Agricultural Geography
5.	Botany	Dr. Ms. S.V. Toro	Eco-physiology
		Dr. Ms. A. R. Patil	Mycology and Plant Pathology
6.	Home Science	Dr. R. M. Kamble	Food Science and Nutrition
7.	Economics	Dr. H.N. Kathare	Agricultural Economics
8.	Psychology	Dr. A.S Parit	Personality Development

**3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students.**

- The teachers of our college attend workshops/conferences organized at various places. They interact with the researchers of eminence during such events. Inspired by their expertise, our teachers invite them to visit our campus for guiding and motivating our students.
- In addition, Eminent Scientists and Scholars from reputed National institutions are invited as guests in social gatherings or to deliver guest lectures at functions organized by various clubs of the College.
- The College also organizes conferences, seminars and workshops where researchers of eminence visit and interact with students and teachers.

**3.1.9 What percentage of the faculty has utilized Sabbatical leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus? NA**

**3.1.10 Provide details of the initiatives taken up by the institution in creating awareness / advocating / transfer of relative findings of research institution and elsewhere to students and community (lab to land).**

The research findings of the College and the new developments in research are communicated to students and community by:

- Presenting findings at different Conferences/Symposia/Workshops.
- Writing popular articles in News Papers.
- Delivering popular talks and poster presentations on significant days.
- Easy access for students to labs to make them inquisitive about new findings.

**3.2 Resource Mobilization for Research:**

**3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.**

Being the Government College, separate provision for research is not made. However, the College has spent a considerable amount on the following:

Subscription of research journals:	Rs. 58,505/-
Purchase of equipment:	Rs. 4,24,720/-
Up-gradation of Infrastructural facilities:	Rs. 53,000/-

**3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years? No**

**3.2.3 What are the financial provisions made available to support student research projects by students? No**

**3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research?. Cite examples of successful endeavours and challenges faced in organizing interdisciplinary research.**

The staff of the College is encouraged to undertake inter-disciplinary research. For ex:

1. Dr. A. R. Patil from Department of Botany and Prof. S. V. Pathare from Department of Geology are working on the project entitled “Conservation of natural water reservoirs from hill forts from Kolhapur District”.
2. Dr. V. B. Helavi, Principal, (Chemistry), Dr. Ms. K. K. Patil (Chemistry) and Dr. Ms. K. K. Patankar (Physics) have jointly undertaken project entitled “Synthesis of Microwave sintered Ferrites from different chemical routes for applications in power generation and surface mounting technology”

**3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?**

The College has well equipped Physics, Chemistry, Botany, Microbiology, Geography, Psychology and Home Science laboratories. The faculty members and students use the equipment at respective Departments as and when required. The internet is available 24x7. There is an open access to laboratories and free guidance to researchers.

**3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If ‘yes’ give details.**

No.

**3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.**

**\*The support provided to the faculty:**

- The research committee is functional.
- Adequate infrastructure and human resources are made available.
- Staff is encouraged to submit proposals to UGC and other funding agencies.

**\*Details of Projects (2010-15):**

- Seven minor projects of total outlay Rs. 7.36 lakh.
- 13 major projects of total outlay Rs. 127.65 lakh.
- UGC-TG: 01 teacher Inspire fellowship: 05 UG students

- CSIR-JRF: 02 research scholars

(Please see the list attached as ANNEXURE V)

### **3.3 Research Facilities:**

#### **3.3.1 What are the research facilities available to the students and research scholars within the campus?**

- Seven recognized laboratories for research work
- Library with a good collection of reference books and encyclopaedias.
- Subscription to online Journals and books through N-List
- Computers and Internet facility
- Photocopying and Printing facilities

#### **3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?**

- The Research Committee of the College formulates the strategies for the promotion of research and these are as follows:
  - Identification of New and Emerging areas of research and encouraging staff to work in these areas.
  - Motivates staff to write research proposals in these areas.
  - Library enrichment: subscription of research journals, reference books, and access to INFLIBNET
- Out of the total amount received from the various funding agencies for research work, the equipment worth Rs. 27.26 lakh are purchased and they are available in the laboratories. In effect, our laboratories are upgraded.
- Besides, the College has submitted proposal to RUSA and funds for establishment of central facility centre (CFC) are asked.
- The College also submits proposals to 'DPDC' and 'State Plan' for the up gradation of laboratories to keep in pace with the recent trends in research.

#### **3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities?? If 'yes', what are the instruments / facilities created during the last four years. : No.**

#### **3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?**

The Research Scholars use characterization facilities at BARC, Mumbai and IUC, Mumbai and Indore Centres free of cost. The facilities in Institutes such as Shivaji University, Kolhapur, Savitribai Phule Pune University, Pune, Agharkar Research Institute, Pune, Agricultural College, Kolhapur and IIT, Mumbai are also made available to them.

In fact, the research scholars from other Institutes and Shivaji University use research labs, library and other facilities of our College.

### 3.3.5 Provide details on the library/ information resource centre or any other facilities available specifically for the researchers?

The library is a learning centre, both for staff and students which provide:

- Wide range of reference books and encyclopaedias
- Easy access to internet and N-List e resources
- Journals and Magazines
- Printing and scanning facility

### 3.3.6 What are the collaborative research facilities developed/ created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc. No

## 3.4 Research Publications and Awards:

### 3.4.1 Highlight the major research achievements of the staff and students in terms of :

*\* Patents obtained and filed (process and product) : Nil*

*\*Original research contributing to product improvement:*

1. Ms. S. A. Jadhav: Lipase and Amylase are produced from banana and potato peel waste.
2. Dr. R. M. Kamble:
  - a. Dietary fibre products for cardio vascular disease are produced.
  - b. The 'soyabean' products are produced and used to mitigate malnutrition among pre-school children.
  - c. The 'kokam' products with nutritional property like hydroxy oxylic acid are produced and are used to reduce adult obesity.

The data is reported in peer reviewed Journals.

*\* Research studies or surveys benefiting the community or improving the services*

- 1) The research project entitled "Hydrogeochemistry and genesis of the fluoride contaminated groundwater in Rajura, Koparna parts of Chandrapur, District Chandrapur, Maharashtra" (S. V. Pathare in collaboration with Institute of Science, Aurangabad 2012) conclusively shows that the fluoride rich minerals contribute to fluoride contamination in ground water.
- 2) Research completed (2010-14) under the guidance of Dr. R. M. Kamble (Home Science), on various health-related issues shows that the effects on health during Ramzan fasts could be lessened by following the guidelines suggested by the research.

*\* Research inputs contributing to new initiatives and social development: Nil*

### 3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

The institution does not publish or partner in publication of research journals, but some of our teachers work as part of the editorial board.

### 3.4.3 Give details of publications by the faculty and students:

- Publications per faculty: **07**
- Number of papers published by faculty and students in peer reviewed journals (national / international) : **166**
- Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - **In Google Scholar: 112**
  - **In Scopus: 34**
- Monographs **NIL**
- Chapter in Books: **10**
- Books Edited: **01**
- Books with ISBN/ISSN numbers with details of publishers: **09** (*Please see the following table*)
- Citation Index: (*Please see the following table*)
- SNIP: **up to 1.905**                      **SJR: up to 1.585**
- Impact factor: **up to 4.625**

**Table 3.5 Details of publications by the Faculty**

Sr. No.	Faculty Name	Peer Reviewed Journals (National International)	International Database		Citations since 2010	h-Index	Chapter in Books
			Google Scholar	Scopus			
1.	Dr. V. B. Helavi	05	05	03	23	4	--
2.	Dr. Ms. Y. C. Attar	03	01	01	--	--	--
3.	Dr. B. D. Bhosale	02	02	--	9	3	--
4.	Dr. V. M. Bhuse	07	04	02	358	13	--
5.	Dr. R. V. Hajare	12	--	--	--	--	01
6.	Dr. Ms. L. D. Jadhav	18	18	14	273	09	01
7.	Ms. S.A. Jadhav	02	02	--	4	01	--
8.	Dr. Ms. S. S. Joshi	04	04	04	229	08	
9.	Dr. R.A. Kadakane	04	--	--	--	--	01
10.	Dr. R. M. Kamble	14	14	--	10	02	--
11.	Dr. H. N. Kathare	04	--	--	--	--	03
12.	Dr. A.S. Khomane	07	07	05	213	08	--
13.	Ms. N. N. Lad	04	--	--	--	--	--
14.	Dr. P.U. Lande	--	--	--	27	04	--

15.	Dr. K. A. Mali	12	12	--	--	--	02
16.	Dr. S.A. Moraye	05	05	--	07	02	--
17.	Dr. D.B. Nakade	17	10	--	35	03	01
18.	Dr. A. S. Parit	02	--	--	--	--	--
19.	Dr. Ms. K. K. Patankar	10	10	04	622	20	--
20.	Mr. S.V. Pathare	02	02	--	02	01	--
21.	Dr. Ms. A. R. Patil	11	11	--	21	03	01
22.	Dr. Ms. K.K. Patil	02	01	--	--	--	--
23.	Dr. P.D. Talap	02	02	--	48	01	--
24.	Dr. Ms. S.V Toro	02	02	01	--	--	--
25.	Dr. T. K. Udgirkar	11	--	--	--	--	--

**Table 3.6 Books with ISBN/ISSN numbers with details of publishers:**

Sr	Author	Title of the Book	Publisher	ISBN/ISSN Number	Year
1.	Dr. R. M. Kamble	HIV/AIDs and Nutritional Approach	Nirmiti Sanwad, Kolhapur	978-81-921784-6-2 (18)	2011
		Panchayati Raj Women Leaders	Nirmiti Sanwad, Kolhapur	978-81-921784-6-2 (19)	2011
2.	Dr. H. N. Kathare	Impact of Rural Electrification on Agricultural Development	Serials Publications, New Delhi	978-81-8387-512-7	2012
3.	Dr. D. B. Nakade	Clinical Microbiology and Cheotherapy	Prarup Publications, Hatkanagale	978-81-927211-6-9	2014
		Microbes of Hypersaline soils	Prarup Publications, Hatkanagale	978-81-927211-3-9	2015
4.	Mr. S. V. Pathare	Text Book of Geology	Atharva Publication	978-93-84093-29-7	2013
5.	Dr. P. U. Lande	Introduction to Microprocessor (Text Book)	Nirali Prakashan,	978-93-5164-166-7	2014
		Microprocessor Interfacing and Micro-controller 8051 (Text Book)	Nirali Prakashan, Pune	978-93-5164-528-3	2015

		Basic Electronics: A Practical Approach	Swachand Publication, Kolhapur	978-93-83796-05-2	2014
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#### 3.4.4 Provide details (if any) of

##### *\* Research awards received by the faculty:*

- Dr. R.M. Kamble: “Fellow of Hind Agri-horticultural Society”, UP, Dec. 2010.
- Dr. L. D. Jadhav: Best Oral Presentation in the 3<sup>rd</sup> National Symposium for Materials Research Scholars (May 2010).
- Dr. Y. C. Attar: First prize for poster presentation in International Conference organized by Dept of Microbiology BAMU , Aurangabad (Feb 2011)
- Dr. A.R. Patil: ‘Rashtriya Gaurav’ Award by India International Friendship Society.

*\* Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally:* Please see the following table.

**Table 3.7 The faculty members who are Life Members and Members of Professional Bodies**

Sr. No.	Name of the faculty	Life Member	Member
1.	Dr. Ms. Y. C. Attar	<ul style="list-style-type: none"> <li>• Association of Microbiologist of India</li> <li>• Microbiology Society of India</li> </ul>	Member of scrutiny committee of Ph.D. thesis (spiral bound): Shivaji University.
2.	Dr.V.M. Bhuse	<ul style="list-style-type: none"> <li>• Indian Chemical Society</li> </ul>	--
3.	Dr. Ms. L. D. Jadhav	<ul style="list-style-type: none"> <li>• Materials Research Society of India.</li> <li>• Indian Society for Materials Chemistry (ISMC), BARC.</li> <li>• Indian Association of Physics Teachers.</li> <li>• Indian Society of Fuel Cell Technologists (ISOFT)</li> </ul>	--
4.	Ms. S. A. Jadhav	<ul style="list-style-type: none"> <li>• Association of Microbiologist of India</li> <li>▪ Microbiology society of India</li> </ul>	--
5.	Dr. S.S. Joshi	--	DRC (Physics) Shivaji University, Kolhapur
6.	Dr. H. N. Kathare	<ul style="list-style-type: none"> <li>• Marathi Arthashastra Parishad, Mumbai.</li> <li>• Indian Economics Association</li> </ul>	--



7.	Dr. R. M. Kamble	<ul style="list-style-type: none"> <li>• Nutrition Society of India, Hyderabad</li> <li>• International Gerontology Association, Varanasi</li> <li>• All India Association of Home Science, Vadodara</li> </ul>	Chairman, CRC (Home Science), Shivaji University, Kolhapur
8.	Dr. K. A. Mali	--	<ul style="list-style-type: none"> <li>• Deccan geographical society, Pune.</li> <li>• Maharashtra Bhoogolshatra Parishd, Pune.</li> <li>• Shivaji University Bhugolshatra Parishad.</li> </ul>
9.	Dr. D. B. Nakade	<ul style="list-style-type: none"> <li>• Fellow member of International Science Association</li> <li>• Association of Microbiologist of India</li> <li>• Microbiologist Society of India</li> <li>• Indian Science Congress.</li> </ul>	Member of scrutiny committee of Ph.D. thesis (spiral bound): Shivaji University, Kolhapur.
10.	Mr. S. V. Pathare	--	<ul style="list-style-type: none"> <li>• The Gondwana Geological Society, Nagpur</li> <li>• Deccan Volcanics, Pune</li> </ul>

**\* Incentives given to faculty for receiving state, national and international recognitions for research contributions.** No

### **3.5 Consultancy:**

**3.5.1 Give details of the systems and strategies for establishing institute-industry interface?** No

**3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?**

The institute expects from its teachers that they utilize their expertise for the good of society rather than keeping any commercial outlook.

**3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?**

As stated above.

**3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.**

The Department of Microbiology: Offering microbial culture services.

The Department of Chemistry: Soil testing and water analysis

**Table 3.8 Revenue Generated in rupees during 2010-15**

Department	2010-11	2011-12	2012-13	2013-14	2014-15
Microbiology	700	750	500	300	100
Chemistry	--	--	--	620	--

Besides, revenue (>Rs. 5 lakh) has been generated through outsourcing of Auditorium and laboratory facilities.

**3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?**

As per Maharashtra Civil Service Rules (MCSR).

**3.6 Extension Activities and Institutional Social Responsibility (ISR):**

**3.6.1 How does the institution promote institution-neighborhood- community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?**

Our college promotes institution- neighborhood- community network and student engagement in many ways. Some of these are highlighted in the following table.

**Table 3.9 The activities conducted by the College to promote institution-neighborhood- community network.**

Sr.	Department	Activity	Purpose
1.	NCC and NSS Unit	Rallies, Street plays	o Sensitizing students about various social problems, rendering their services to the society for its betterment
		Blood Donation Camps	o To be useful to the patients at the time of Medical Emergency. o To inculcate among students the value of being socially useful.
2.	Microbiology and Industrial Microbiology	Health and Hygiene Camps	o To educate village population regarding personal hygiene, diseases, their cure and prevention with the use of charts, pictures, slides and such materials. We also arrange small skits on health issues to educate the public.
		Identification of Blood groups	o To be useful to society in a practical way
		Determining Water Potability	
		Promotion of Organic farming	
3.	Botany	Workshops for school students	o To create awareness among school students regarding conservation of Natural Resources.
4.	Ladies Staff Club (Pradhyapika Mandal) and Student Volunteers	Donations	o To provide financial help and services to the needy people and social organizations of the society.
		Providing services to Orphanage, old-age Home, School of Specially Challenged Students	o To inculcate sense of responsible citizenship and social service among the students. o To improve institutional society relationship/ interaction.

5.	Laboratories of the Departments	Visits by neighboring school teachers & students	<ul style="list-style-type: none"> <li>○ To enrich the students knowledge and to widen the teachers horizon of the respective subjects.</li> <li>○ To improve the institution-society interface.</li> </ul>
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### **3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?**

The college maintains lists of students participating in social activities mentioned at 3.6.1 above.

### **3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?**

- The perception of the stakeholders on the Institutional performance is obtained through feedback. It is analyzed and used for quality improvements.
- By discussions in the meetings of parents, alumni and University External Audit Committee
- Records such as Visitors Book
- Government Audit Report

### **3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.**

The extension and outreach activities are planned by a set mechanism with the help of following bodies/ committees;

- NSS and NCC
- Ladies Staff Club and Students Volunteers
- Departmental Clubs
- Ladies Association

The incidental charges are provided by the college as there is no separate budgetary provision for these activities.

### **3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?**

- The involvement of the faculty in various committees is ensured by the Principal.
- The teachers explain the significance of such extension activities to the students with reference to the following aspects:
  - Leadership quality development,
  - Sustainable development of the society,
  - Improvement of communication skills
  - Awareness of Global competency.
- Providing incentives, awards and prizes, concessions etc.
- University offers ten marks benefit for the satisfactory completion of NSS program.

**3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?**

- The research students from Home Science department have undertaken a survey on Pre-school malnourished children. The low cost and nutritious soya based products have been formulated, prepared and provided to such children to overcome the malnutrition.
- A survey conducted by the Department of Geography on '*Impact of industries on rural development*' has led to a research project and research publication.
- A survey conducted by the Department of Home Science on '*Age Well Program*' under '*Help Age India Scheme*' of the Central Government: 3 districts, 900 beneficiaries out of which 120 were trained by using Extension Teaching Methods. They are being benefitted currently.
- The Department of Economics conducted a survey on '*Impact of Electrification on Standard of Living and Crop Patterning*'

**3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.**

The extension activities have direct and indirect implications on student's academic learning experience, promotion of values and development of skills. The surveys and research publications have academic significance. The student's interactions with the concerned stakeholders improve their communication and life skills. Such extension activities enhance student's perception of social reality. Participation of students in such activities inculcate among them moral and human values. It develops qualities like grit, determination, commitment and a sense of patriotism.

**3.6.8. How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?**

The College renders significant social service to the neighboring community and other NGOs in the following ways:

- NSS special camps and other activities like blood donation, tree plantation, gender sensitization etc.
- Arranging lectures of eminent resource persons and inviting the parents and alumni.
- The college has conducted several significant activities under '*Jagar Janivancha*': campaign by Government of Maharashtra on Gender Sensitization and Women Empowerment.

In such activities, the College ensures the participation of District Collector of Kolhapur, Civil Surgeon, The Heads of various NGO's, Joint Director-Higher Education, Kolhapur Region, Kolhapur, The Village *Sarpancha*, RTO, Parents, School Teachers and Students, Alumni and others

**3.6.9. Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.**

The Institution has constructive relationships with the local institution in its various outreach and extension activities.

**Table 3.10 A List of Extension Activities Conducted in Coordination with Other Organizations**

Sr. No.	Name of the Organization	Activities
1.	Ministry of Forest and Environment, Government of India-BAIF, 'Nisarg Mitra', Kolhapur and Rajaram College	Organized Environment consciousness workshops
2.	Environment Department, Government. of Maharashtra, 'Nisarg Mitra', Kolhapur and Rajaram College	Call for Green Ideas: conducted workshops for 'School Children'
3.	CPR Hospital, NCC and Rajaram College	Blood Donation Camp and Polio Campaigning
4.	Election Officer, Kolhapur and Rajaram College	Voters Awareness Program/rally
5.	Shivaji University, Kolhapur and Rajaram College	Conducted various activities under NSS
6.	Siddhagiri Math, Kaneri, Shivaji University and Rajaram College	Special NSS camp under "Suvarn Bharatiya Abhiyan"
7.	Village <i>Sarpanch</i> and Rajaram College	NSS regular camps (10 days each)
8.	RTO, Kolhapur and Rajaram College	Road Safety Week
9.	Chetana Vikas Mandir: A school for specially challenged children and RCK	The students of the College render the Administrative and Managerial help for the organization of Sports activities.

**3.6.10. Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.**

The awards received by College: Faculty and Students for extension activities

- Award for '*Jagar Janivancha*'- campaign by Government of Maharashtra on Gender Sensitization and Women Empowerment:
  - 2<sup>nd</sup> prize at District Level (2012-2013) of Rs. 50,000/-
  - 1<sup>st</sup> prize at District level (2013-2014) of Rs. 1,00,000/-
  - 2<sup>nd</sup> prize at University level (2013-2014) of Rs. 1,00,000/-
- Award (District level) by Government of Maharashtra to Dr. S.S. Hunswadkar (Physical Education) in recognition of contribution to Sports (Jan. 2015).
- Awards by Shivaji University to Students:

- ‘Ranragini Tararani Puraskar’ to Ms. Pooja Pawar and ‘Ch. Shivaji Maharaj Award’ to Mr. D. S. Nine for being the Best NCC cadets.
  - ‘Chancellors Award- The University Best Student Award’: to Ms. Kshitija Tashi.
  - ‘Best NSS Cadet’ awards to
    - Mr. A. A. Gaikwad and Mr. P.B. Salunkhe (2012-13)
    - Ms. V. N. Gavali and Mr. V.J. Kokare (2014-15)
4. Seven NCC cadets have received Gold Medals at RDC-PM rally and TSC.
5. Two NCC students have received CM fellowship.

### 3.7 Collaboration:

**3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives- collaborative research, staff exchange, sharing facilities and equipment, research scholarships, etc.**

#### \*Collaborative Research:

Some of our Departments have collaboration with the following reputed Research Institutes. For example:

- Agharkar Research Institute, Pune
- Department of Physics, Shivaji University
- Bhabha Atomic Research Center (BARC), Mumbai
- Consortium for Scientific Research (CSR), Mumbai.

#### \*Sharing facilities and equipment

We share facilities and equipment at:

- Shivaji University, Kolhapur,
- BARC, Mumbai
- IIT, Powai
- IUC, Indore and
- IISC, Bangalore

It is found that collaboration with these seats of learning always proves to be fruitful mutually because the scholars in both the Institutes can exchange ideas and views, which ultimately helps research proceed.

**3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/ industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.**

The following table provides the details of Collaborating Institutes contributed to the development of the institution.

**Table 3.11 Details of Collaborating Institutes**

Sr.	Department	Collaborating Institute	Purpose of Collaboration
1.	Physics	BARC and UGC-DAE-CSR Mumbai	Major Research Projects

		UGC-DAE-CSR Mumbai	Organizing Awareness Workshop
		Department of Physics, Shivaji University, Kolhapur	Organizing National Conference
2.	Botany	Agharkar Research Institute, Pune	Major Research Project
		S.G Phytopharma, Kolhapur	Organizing National conference.
		BAIF, Development and Research Foundation, Pune.	Organizing National Environmental Awareness campaign
		Proprietor Mrs. V. V. Patil, Sajeev Nursery, Kolhapur.	Horticulture Training of B.Sc. II students.
		Dr. Bachulkar, V.Y. Yadav Arts & Science College, Pethwadgaon And Nisarga Mitra NGO, Kolhapur.	Major Research Projects
3.	Microbiology	Microbiologist Society	Organizing National conference

The above mentioned MoUs and collaborative arrangements certainly helped us share mutual research and boost our own projects. It also brings together young scholars and seasoned researchers for mutual benefit.

**3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.**

Interactions with outside industries and organizations certainly help at least in one respect- Our students get hands-on experience and the actual feel of the job they are going to be entrusted with after finishing their course. This is something which is not available within the four walls of the classroom.

The career counselling cell of our College organizes the placement camp in collaboration with the reputed Lupin Pharmaceuticals, Mumbai, Infosys, and other companies. Some talented students are selected for the coveted jobs in these organizations.

**3.7.4 Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.**

During the last five years, the college organized three National Conferences in the Departments of Botany, Physics and Microbiology sponsored by UGC. The details are as follows:



**Table 3.12 The list of Eminent Scientists contributed to National Conferences**

Department /Year	Topic	Eminent Participants
Botany 2012-13	National Conference on “Sacred Groves as repository for Ethno-medicinal plants”	1. Dr. G. R. Hegade, Dharwad University, Dharwad. 2. Dr. Anuradha Upadhya and Dr. Vinaya Ghate, ARI, Pune. 3. Dr.S.R.Yadav, Shivaji University, Kolhapur.
Physics 2014-15	National Conference on “Materials for Future Technology”	1.Prof. D.P. Amalnerkar, CMET, Pune. 2.Prof. S.H. Pawar, VC-DYP Deemed University, Kolhapur 3.Dr. S.D. Sartale, Savitribai Phule Pune University, Pune 4. Prof. C. D. Lokhande, & Prof. P.S. Patil Shivaji University, Kolhapur
	Awareness workshop on Consortium for Scientific Awareness	1. Prof. Dr. V. Sirguri, UGC-DAE, Mumbai Center 2. Prof. V.Ganesan, UGC-DAE, Indore Center 3. Prof . Mukhopaddhay, BARC, Mumbai 4. Dr. Deshpande, Dr. Kaushik, Dr. Rayprol, UGC-DAE, Mumbai
Microbiology 2014-15	Recent Trends and Future Prospects in Multidisciplinary Approaches of Microbiology	1. Dr. Yogesh Shouche, NCCS, Pune. 2.Dr. Prakash Halami, CFTRI, Mysore. 3.Dr. Shanti Gupta, Forensic Institute, Aurangabad. 4.Dr. A. M. Deshmukh, Microbiologist Society, 5. Dr. Gurvindar Kochar, Panjab Agri. Uni. Ludhiyana

**3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated -**

**\* Curriculum development/enrichment:**

The BOS Chairman, Members and Syllabus sub-committee members have been contributing to the curriculum design and enrichment as per the following table.

**Table 3.13 Subject wise list of BOS members/sub-committee members**

Subject	Name of the Faculty
<b>BOS members</b>	
Home Science	Dr. R.M. Kamble (BOS Chairman & Academic Council)

	Member)
Geography	Dr. K. A. Mali (BOS Chairman)
Psychology	Dr. A. S. Parit (BOS Member)
<b>Sub-committee members</b>	
Microbiology	Ms. S. A. Jadhav, Dr. Ms. Y. C. Attar, Mr. A. B. Tikekar, Dr. D. B. Nakade
Botany	Dr. Ms. S.V.Toro
Chemistry	Dr.V. M. Bhuse, Dr Ms. K. K. Patil
Geology	Mr. S. V. Pathare
Electronics	Dr. P.U. Lande

**\* Internship/ On- job training**

Students of Industrial Microbiology and Home Science have to undergo a three weeks training and one week Internship, respectively. Our collaboration with some Industries helps us in this respect.

**\* Faculty exchange and professional development-**

Three teachers from our college completed a course in Professional Development at Yashada Training Institute, Pune.

**\*Research**

Dr. Ms. K. K. Patankar (Department of Physics) is online research mentor for R.P. College, Osmanabad and Advisory board member for their research panel.

**\* Extension-**

Awareness programmes for conservation of water reservoirs from hill forts and conservation of wild vegetables, medicinal plants and dye-yielding plants in Kolhapur District are arranged in collaboration with various organizations.

**3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations.**

The College does 'needs analyses' and identifies the areas for collaboration. Then, the responsibility is entrusted to a particular teacher to locate suitable collaborator (individual/or Institute). After open discussion, a formal proposal is put up. The responsibilities of both are finalized and MoU is signed by the Principal and the Collaborator.

In case of research collaborations, an individual is given freedom to establish collaborations/linkages in his/her field of specialization.

**CRITERION IV:  
INFRASTRUCTURE AND LEARNING RESOURCES**

**4.1 Physical Facilities**

**4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?**

Our college is run by Government of Maharashtra, hence creation and enhancement of infrastructure is according to the rules and regulations laid down by the Government. New infrastructure is developed and upgraded according to the inputs from our institution from time to time, to enhance our academic standards. Critical monitoring is done throughout the infrastructural development by the institution. Creation and enhancement of the infrastructure is done through Public Works Department (P.W.D) of Government of Maharashtra.

**4.1.2 Details of the facilities available for;**

**a) Curricular and co-curricular activities –**

- Spacious classrooms -26
- Technology enabled learning spaces: - 10
- Multimedia Classroom- 01
- Seminar Halls-09
- Laboratories: -12
- Botanical garden -01
- Green House-01
- Specialized facilities and equipment for teaching, learning and research:

The college has seven research laboratories wherein Ph.D. research is pursued. These laboratories have been duly recognized by the University and follow the specifications laid down. It is to be noted that research labs for the subjects of Physics and Chemistry are fitted with all the necessary sophisticated equipments. The Departments of Geology, Zoology and Botany have well maintained Musea which contain rare, archival specimens.

**b) Communication skills development, Extra - curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, yoga, health and hygiene etc.**

A well equipped *Language Laboratory* enlightens the students on niceties of English communication.

The college has separate play grounds for Cricket, Foot Ball, Tennis and Volley Ball. We also have a separate well developed Gymkhana Building containing all the facilities, equipments and instruments for outdoor and indoor games. A well equipped *gymnasium* and the *wooden badminton court* are the facilities that make us proud.

The college has a well furnished *Auditorium*, named after our illustrious alumnus Mr. Yashwantrao Chavan. It has all the modern facilities and acoustic arrangements with the capacity of 750 seats.

We also have two *open air theatres* useful for staging various programmes.

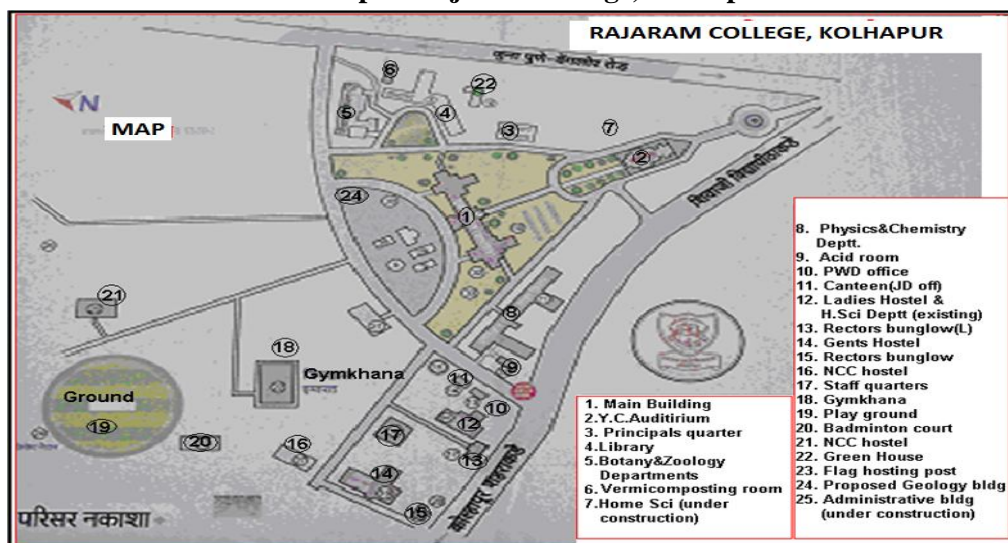
We have two NCC units under 1 Maharashtra Battery (capacity -100) and 5 Maharashtra Battalion (capacity -54). We have a NSS unit with the capacity of 100 students. A Separate building for NCC and NSS room is available in the campus.

Yoga classes are regularly held for staff and students.

Girl students are also trained in self-defence. For Yoga and self-defence classes, a space is provided in the Gymkhana Building.

**4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).**

**Site Map of Rajaram College, Kolhapur**



The enclosed Map indicates existing infrastructure along with proposed development and addition during last four years.

#### **Facilities developed/augmented:**

During the last five years the following facilities have been developed /augmented.

- New buildings- Geology, Home Science, Administrative Block
- Renovation of Auditorium
- Solar water heating system in hostels
- Rain water harvesting tanks
- Campus landscaping
- Parking space
- Toilet blocks
- Drinking water facility
- Replacement of tiles with vitrified materials
- Installation of computer and internet facility in administrative office, laboratories and audio visual room.

- Upgradation of laboratories
- Creation of Research laboratories

**Proposed Additions to the Infrastructure:**

1. Microbiology Building
2. Building for Arts Departments
3. Mathematics and Statistics Buildings
4. Common Facility Centre (for Academics and Research)

**Table 4.1 : Expenditure in last five years:**

Sr. No.	Year	Expenditure (in Lakhs)	Purpose
1	2010-11	22.19	- Construction of Parking - Toilet Blocks - Electrification of Library, Physics, Chemistry, Hostel buildings - Computer room flooring
2	2011-12	227.25	- Wall fencing - Renovation of Toilet blocks - Parking - Paving blocks - Furniture - Renovation of window panes
3	2012-13	266.25	- Wall fencing - Renovation of Toilet blocks - Renovation of Flag post - Electrification - Furniture in Hostels - Rain water harvesting tank (Ladies Hostel) - Botany Bldg. plinth protection
4	2013-14	323.71	- Home Science Department Building - Geology Department Building - Compound wall - Roads - Renovation of Toilet blocks - Car parking - Library cycle stand - Boys hostel, Girls hostel, Physics dept. plinth protection - laying down of water pipeline - paving blocks
5	2014-15	293.84	- Home Science Department Building - Geology Department Building - Compound wall - Internal roads - Paving blocks

**4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?**

The needs of the students with physical disabilities are taken into consideration and catered by facilities such as ramps in important places and special washrooms constructed for them.

**4.1.5 Give details on the residential facility and various provisions available within them:**

**Hostel facility:**

Hostel facility for Boys with capacity: 112

Hostel facility for Girls with capacity: 150

**Various provisions available with the Hostels**

- Aqua guard water purifier
- Water cooler
- Solar water heater
- Mess
- Library with reading room
- Recreational hall with Television set
- Sports facilities & Gymnasium
- Security arrangements
- Rectors quarters

**4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?**

- a) In case of emergency students are shifted to nearby hospital
- b) Medical care and first aid in each Department
- c) Blood group detection camps are organized
- d) BMI camp is organized regularly in Girls Hostel.

The teaching and non-teaching staff of the college can also avail medical facilities offered by the Government. Under this scheme the medical expenditure of the staff and their families are reimbursed by the Government as per Maharashtra Civil Services Regulations.

**4.1.7 Give details of the Common Facilities available on the campus –spaces for special units like IQAC, Grievance Redressal unit, Women’s Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc**

Separate space is available for the following by way of common facilities

- IQAC office with computing and internet facilities
- Grievance Redressal Unit
- Women’s Cell
- Counselling and Career Guidance
- Placement Unit

- Open Air Canteen
- Recreational Spaces for Staff and Students
- Aqua Guard and Cooler
- Auditorium

## 4.2 Library as a Learning Resource

### 4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

Yes, the Library has an Advisory Committee as below:

**Table 4.2 Library Advisory Committee**

Sr.No.	Name of the Member	
1	Dr. P. U. Lande	In-Charge Librarian
2	Dr. R.M. Kamble	Member
3	Dr. S.V. Toro	Member
4	Dr. P. S. Deshmukh	Member
5	Dr. R. A. Kadakane	Member
6	Dr. A.S. Parit	Member
7	Dr. A. S. Khomane	Member
8	Dr. T. K. Udgirkar	Member

Significant initiatives taken by the committee -

- Computerization / digitization of the library
- Subscribing to e- journals and e-books
- More computer nodes for students
- Special emphasis on procuring reading material for competitive exams

### 4.2.2 Provide details of the following:

- Total area of the library (in Sq. Mts.): 15000 Sq. Mts.
- Total seating capacity: 210
  - Reference and Periodical Section – 10 (Faculties)
  - Girls Study Room – 100
  - Boys Study Room – 100
- Working Hours-
  - 09.30 am to 5.45pm on working days
  - 08.30 am to 7.30 pm on examination days
  - 09.30 am to 5.45 pm on vacation days
  - zone for accessing e-resources: Available

### 4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

In the beginning of the year the members of staff submit their requisition through the HOD. These are placed before the Library Committee and after their sanction; the Purchase Committee starts the procedure of purchase.

**Table 4.3 New Books, Journals and E-Resources procured during the Last Five years**

<b>Year →</b>	<b>2010-11</b>		<b>2011-12</b>		<b>2012-13</b>		<b>2013-14</b>		<b>2014-15</b>	
<b>Particulars</b>	<b>No.</b>	<b>Value</b>	<b>No.</b>	<b>Value</b>	<b>No.</b>	<b>Value</b>	<b>No.</b>	<b>Value</b>	<b>No.</b>	<b>Value</b>
Reference Books	31	8140	318	164568	73	13768	13	1258	26	3830
Journals	02	5600	20	35825	112	32765	08	12079	44	22099
e-Journals (Inflibnet)									10,000	5000
Others- Competitive exam book									928	123051

**4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?**

- **OPAC** facility is provided to search books
- In-house/remote access to e-publications: **INFLIBNET**
- Library automation: **in progress**
- Internet band width/ speed: **50 mbps**

**4.2.5 Provide details on the following items (per month)**

- Average number of walk-ins: **250**
- Average number of books issued/returned: **50**
- Ratio of library books to students enrolled: **26: 1**
- Average number of books added during last three years:  
Reference Books: 350  
Text books: 5000

**4.2.6 Give details of the specialized services provided by the library**

**Manuscript:** provided to research scholars

**Reference:** provided to outsiders and research scholars

**Reprography:** facility for Staff members

**4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college:**

- The Library Staff is always accessible and is ready to assist the students to find out the required books
- Collecting Demand slips, analysing them finding books accordingly and issuing them as per schedule



- Helping the teachers find out required titles
- Displaying the new arrivals in the Library
- Holding books exhibitions from time to time

**4.2.8 What are the special facilities provided by the Library to the visually/ physically challenged persons? Give details**

- A ramp has been constructed for physically challenged students
- The staff helps the physically challenged students in issuing books by giving them priority

**4.2.9 Does the library get the feedback from the users? If yes, how is it analysed and used for improving the library services. (What strategies are deployed by the library to collect feedback from users? How is the feedback analysed and used for further improvement of the library services?)**

- The suggestions regarding the library are collected through the common feedback form.
- Grievances of the students are collected from the suggestion box kept in the library. The suggestions are placed before the Library Advisory Committee for necessary action.

**4.3 IT Infrastructure:**

**4.3.1 Give details on the computing facility available (Hardware and software) at the institution**

- No. of Computer with configurations: 110 (all Window based operating system)
- Computer- students ratio:1:3
- Standalone facility- Nil
- LAN facility: - Yes
- WiFi- Available at Chemistry Department and Library (Reading Hall)
- Licensed Softwares- MatLab, Windows Operating System, Vridhhi Software, Vidyasagar Software.
- No. of Nodes/ computers with Internet facilities: 80
- No. of students using computers: 300

**4.3.2 Details on the computer and internet facility made available to the faculty and students on the campus and off campus:**

Most of the Departments have been furnished with computer and internet facility. Both the Hostels also have been supplied with computers with internet connection.

**4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?**

It is proposed to have 30 more pieces of computers in near future along with latest configurations such as Windows 10 and 10 LCD projectors with the help of the RUSA scheme. Automation of the Library is in progress.

**4.3.4 Provide details on the provision made on the annual budget made for procurement, up gradation, deployment and maintenance of the computers and their accessories in the institution (2010-15)**

**Table 4.4 Details Regarding Computers**

Year	2010-11	2011-12	2012-13	2013-14	2014-15	
<b>Computers and Accessories (amount in Lakhs )</b>	0.07	0.08	0.10	0.11	0.18	Up gradation & Maintenance
	1.60	8.41	10.76	15.45	1.44	Procurement

**4.3.5 How does the institute facilitate extensive use of ICT resources including development and Computer aided teaching/ learning materials by its staff and students?**

Most of the Departments make use of computer aided teaching and learning. Activities such as power point presentations, use of software, interactive boards, visualizer, computer programming and animations are a regular feature of educational activity.

**4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to online teaching- learning resources, independent learning, ICT enabled classrooms/ learning spaces, etc.) by the institution place the student at the centre of teaching learning process and render the role of a facilitator for the teacher.**

The college has its own website and some of the departments have deposited their study materials there. It has also facility for maintaining relevant question banks and model answers . The students are acquainted with useful websites to be utilized independently by them. The library has a collection of over 10,000 e- books and e-journals.

**4.3.7 Does the institution avail of the National Knowledge Network Connectivity directly or through the affiliating University? If so, what are the services availed of? No**

**4.4 Maintenance of Campus Facilities:**

**4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?**

**Table 4.5 : Details of budget allocations (in Lakh)**

Sr. no.	Heads	2010-11	2011-12	2012-13	2013-14	2014-15
a	Building	92.54	164.66	0.78	592.74	95.27
b	Furniture	-	6.98	6.80	-	-
c	Equipment	16.25	4.30	1.46	1.59	4.22
d	Computers	1.60	8.41	10.76	15.45	1.44

#### **4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?**

Different committees consisting of teaching and non-teaching staff are entrusted with a responsibility of maintenance and upkeep of infrastructural facility and equipments. Stock verification of furniture, equipment and other facilities is done physically at the end of every academic year. The PWD of Government of Maharashtra cares for maintenance of the Building Infrastructure.

#### **4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?**

Calibration of equipment and instruments is taken up whenever required. responsibility of the concerned department/s. Equipments are checked for calibration annually by the staff of respective departments during practical examinations.

#### **4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?**

As the college is a Government Institution, electric and water supply is looked after by the Government agencies. The water supply is maintained by Kolhapur Municipal Corporation and the Electric supply is maintained by M.S.E.B.

To safeguard the electrical instruments in the laboratories Uninterrupted Power Supply (UPS) facilities have been installed.

The Auditorium has its own generator in case of emergencies.

## CRITERIA V: STUDENT SUPPORT AND PROGRESSION

### 5.1 : Student Mentoring and Support

#### 5.1.1: Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

Yes. Our institution does publish its updated prospectus every year along with admission form. Prospectus contain 1) Important Instructions, 2) Rules and regulations, 3) Facilities available, 4) Free-ships and Scholarships, 5) Accident Insurance scheme, 6) Courses available with subject details, 7) Admission Process: Time table and Information, 9) Details of Fee structure, 10) Calendar of Academics and other activities, 11) Admission committees, 12) Information about Grievance Redressal Cell, 13) Prospectus committee, 14) List of eminent alumni, 15) Special Cell for backward category students, 18) Admission Form and 17) Contact numbers, email and Website of the college.

There is an elaborate mechanism with different committees to take care of promises and assurances given in the prospectus and these cater to the students whenever any dispute arises. The college is committed to fulfill its accountability in this way.

#### 5.1.2 Specify the type, number and amount of institutional scholarships / freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

Our college being a Government Institution, the financial support to students under the scheme of 'Students Aid Fund' as per guidelines given by the Government of Maharashtra. Beside this, college provides support to sports and cultural activities. Institutional financial support to students during past 5 years is as follows. Yes financial aid was disbursed on time.

	No. of students	Total Amount(Rs)
Student Aid Fund	137	78015

#### 5.1.3 : What percentage of students receives financial assistance from state government, central government and other national agencies?

On an average 65 % of students receive financial assistance from state, central government and other agencies. The following table shows the financial assistance received during last four years.

**Table 5.1 : Financial Assistance to students**

Sr. No.	Fellowship/Scholarship	Agency	Total Number of Student Beneficiaries	Amount (Rs)
1	Reserved category students Scholarship	State Govt,	1329	43,62,107
2	Dakshina Fellowship	State Govt,	48	1,20,000
3	Mathematics and Physics Scholarship for B.Sc -I	State Govt,	06	6000

4	Minority Fellowship under UGC XI <sup>th</sup> Plan	Central Govt.	10	30,000
5	Finance for students study tour UGC IX <sup>th</sup> plan	Central Govt.	20	59.741
6	DST-Inspire fellowship	Central Govt.	5	6,60000
7	Malhotra-Weikfield Foundation Scholarship	Malhotra Foundation	24	2,40,000
		<b>Total</b>	<b>1442</b>	<b>54,77,848</b>

Besides these, financial assistance is also available from the State Government in the form of EBC Free-ships for 1634 students. ii) Central sector fellowship awarded to 140 students during past two years. The amount of both these is deposited directly to student's bank account.

#### **5.1.4 What are the specific support services/facilities available for Students from SC/ST, OBC and economically weaker sections:**

##### **i) Students from SC/ST, OBC and economically weaker sections:**

- a) Scholarship from Government of India and State Government schemes, b) Remedial coaching under the UGC scheme, c) Student Aid Fund and Earn and learn scheme. (From the institute).

##### **ii) Students with physical disabilities:**

- a) Ramps have been provided for benefit of the students, b) The special seating arrangement in the first row, c) Special guidance regarding different government schemes.

##### **iii) Overseas students: Not Applicable**

##### **iv) Students to participate in various competitions/National and International:**

In case the participating student has missed classes, the concern teacher helps him learn the missed portion.

##### **v) Medical assistance to students: health center, health insurance etc:**

- a). In medical emergency, the college admits the student forthwith to nearby hospitals.
- b) First Aid Box is available in the Library, Gymkhana, Laboratories and College Office.

##### **vi) Organizing coaching classes for competitive exams:** Individual guidance is available to students for competitive examinations at departmental level from time to time. It would be worth mentioning here that our Principal Dr. V.B. Helavi and HOD Dept. Home Science Dr. R.M. Kamble have, in the near, worked as regular Directors at the Pre-IAS Training Center, Kolhapur of Government of Maharashtra.

##### **vii) Skill development (spoken English, computer literacy, etc**

The Department of English offers free guidance to the students regarding Communication Skills. The Language Laboratory specially set up by the college

comes handy for the improvement of Spoken English of the students. The Department also honours its Ex-Principal and noted scholar of English Language and Literature Bar. Khardekar by organizing **Bar. Khardekar Lecture Series** every year on 26<sup>th</sup> December, the birth anniversary of the great man. Computers with internet facility are provided to the students by every department.

**viii) Support for “Slow Learners”:**

Extra coaching is given to the slow learners as and when required.

**ix) Exposures of students to other institution of higher learning /corporate / business house etc:**

Departments organize study tours/Academic visits to industries, higher education institutes in or outside the state.

**x) Publication of student magazines:** The “Rajaramiya”, annual publication, gives an opportunity to the students for showing their creative talent in the form of poems, articles, stories, plays as also photographs and sketches.

**5.1.5: Describe the efforts made by the institution to facilitate Entrepreneurial skills, among the students and the impact of the efforts.**

Kolhapur happens to be an industrial city which can pride upon a number of successful industrialists and business tycoons. Some of these are invited in our college for interaction with our students. It is also to be noted here that the students of Home Science Department study a special paper titled “Entrepreneurship Development” as part of their course.

**5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co- curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.**

**i) Additional academic support, flexibility in examinations**

The university organizes separate examination/s for sport persons and participants who missed the examination.

**ii) Special dietary requirements, sports uniform and materials**

Sport kits, sports uniform, tracksuit are provided to students and successful players are felicitated with the mementos.

It is worth mentioning here that our college has constructed a separate building which houses the Gymkhana fitted with all the necessary instruments of exercise and sophisticated machinery along with wooden Tennis Court.

**5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL /GMAT / Central /State services, Defense, Civil Services, etc.**

As the Government of Maharashtra has set up an independent Pre-IAS Training Center for specialized guidance of competitive examinations in the vicinity of our campus the students avail themselves of it.

**5.1.8: What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)**

- **Academic counseling:** The faculty members of our college provide the academic counseling on both personal and group level by organizing extra and additional

lectures of eminent subject experts, group discussion, seminars, problem solving with solution.

- **Personal counseling:** Health counseling is given by conducting health camp and Yoga classes, the college has arranged Personality Development programs regularly.
- **Career counseling:** The College has conducted competitive and entrepreneurship awareness programs.
- **Psycho-social counseling:** The College organizes different social activities to motivate the students to participate in social work through NSS, NCC activities, psychological documentary film show, programs on 'How to reduce anxiety', and how to reduce "Examination Phobia" etc.

**5.1.9: Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).**

Yes, we do have a committee for Personality development and Placement Cell for the benefit of students. It offers the following services.

- 1) Arranging lectures for creating awareness among the students regarding employment opportunities.
- 2) Displaying necessary information about job opportunities and details regarding entrance tests, seats available, centers imparting guidance and conditions for admissions through a wall paper titled ASCENT.

**The college has, during last five years, arranged programs as per the following table.**

**Table 5.2 Career Guidance and Placement Programs**

Sr.	Lecture Topic	Workshop On
1	Effective goal setting	Beaconing Horizons
2	Career in Merchant Navy	Personality Development through Arts
3	Career Options in Future	Competitive Examinations: Nature and Preparation
4	Youth Empowerment	Interview Technique
5	Preparation for Competitive Examinations	Interview Technique

**The following companies organized campus interviews for students.**

**Table 5.3 Campus Interviews during Last Five Years**

Sr. No	Year	Company	No. of Students attending	No. of students selected
1	2010-11	Mahindra Forging, Pune	13	3
2	2011-12	1. Thermax Ltd. Pune 2. Central Police Force	12 25	02 01

		3. VARIAC	08	03
3	2012-13	Indo-Count, Kolhapur	21	06
4	2013-14	1. Influence Computer organization 2. Jet King Learning Center, Kolhapur	102 10	03 0
5	2014-15	Influence Computer, Kolhapur	50	9

**5.1.10: Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.**

Yes, the college has a Grievance Redressal cell. Special Committee consist of Principal, Coordinator, and co-opted staff members to resolve the matter in the cases is designed. Within last five years, about 99 minor complaints have been suggested in suggestion box mostly about infrastructure facility and teaching by temporary staff. No major complaints have been registered. Besides, every teacher, HoD and Principal usually solve their problems through discussion.

**Table 5.4 Details of Grievances received during last five years**

Sr.	Type of Grievance	Total No.
1	Office	07
2	Library	10
3	Fundamental Facilities	45
4	Faculty	23
5	Non Teaching Staff	06
6	Cleanliness	08

**5.1.11: What are the institutional provisions for resolving issues pertaining to sexual harassment?**

The Sexual Harassment Prevention Committee is framed according to Central Government Act 2013. The grievance is handled as per the provisions in this Act. The college has arranged special guidance workshop by Dr. Ms. Bharati Patil (Social Activist) Dr. Ms. Megha Pansare (Social Worker) and Advocate Asim Sarode (noted Lawyer and Social Worker).

**5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?**

Yes. The Ragging Prohibition Committee (RPC) in our college was constituted as per the guidelines laid down by the UGC. Every year mandatory undertaking is taken from student as well as parent along with application form. A positive atmosphere is created among the students to make the college campus free of ragging. Till date no case of ragging in the campus is registered.

**5.1.13: Enumerate the welfare schemes made available to students by the institution.**



Welfare schemes available are, i) Student Aid fund. ii) Earn and Learn Scheme. iii) Accident Cover Insurance and Group Insurance Scheme are available as per Government and University rules respectively.

**5.1.14: Does the institution have a registered Alumni Association? If ‘yes’, what are its activities and major contributions for institutional, academic and infrastructure development?**

Yes, the College has a Rajaram College Past Student Association (RACOPASTA), registered on 1<sup>st</sup> March 1979.

**Table 5.5 Activities of the Alumni Association**

Sr. No.	Institutional Development	Academic Development	Infrastructural Development	Any Other
1	Cash Prizes and Awards to meritorious students	Book Donation	Supplying Nursery Plants	Marshal Art Classes(2014)
2		Personality Development Lecture	Supplying Tree Guards(2014-15)	Helping Rajaramians Abroad in many ways
3		Value Education Lecture(2011-2013)	Supplying Garden benches. (2014-15)	

**5.2: Student Progression**

**5.2.1: Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.**

Average percentage of student progression for higher education and employment during last four years.

**Table 5.6 Details of Student Progression**

Student progression	%
UG to PG	28.93 %
PG to M.Phil.	-
PG to Ph.D. (Psychology)	16.66% <b>only for psychology ( PG)</b>
Employed (after graduation) Campus selection Other than campus recruitment	11students (of those who opt for campus interview) 36 % (of remaining who don't do PG)

*There is a growing trend of students choosing to continue their studies to post graduate courses. But it is not clear if they go beyond this stage.*

**5.2.2: Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.**

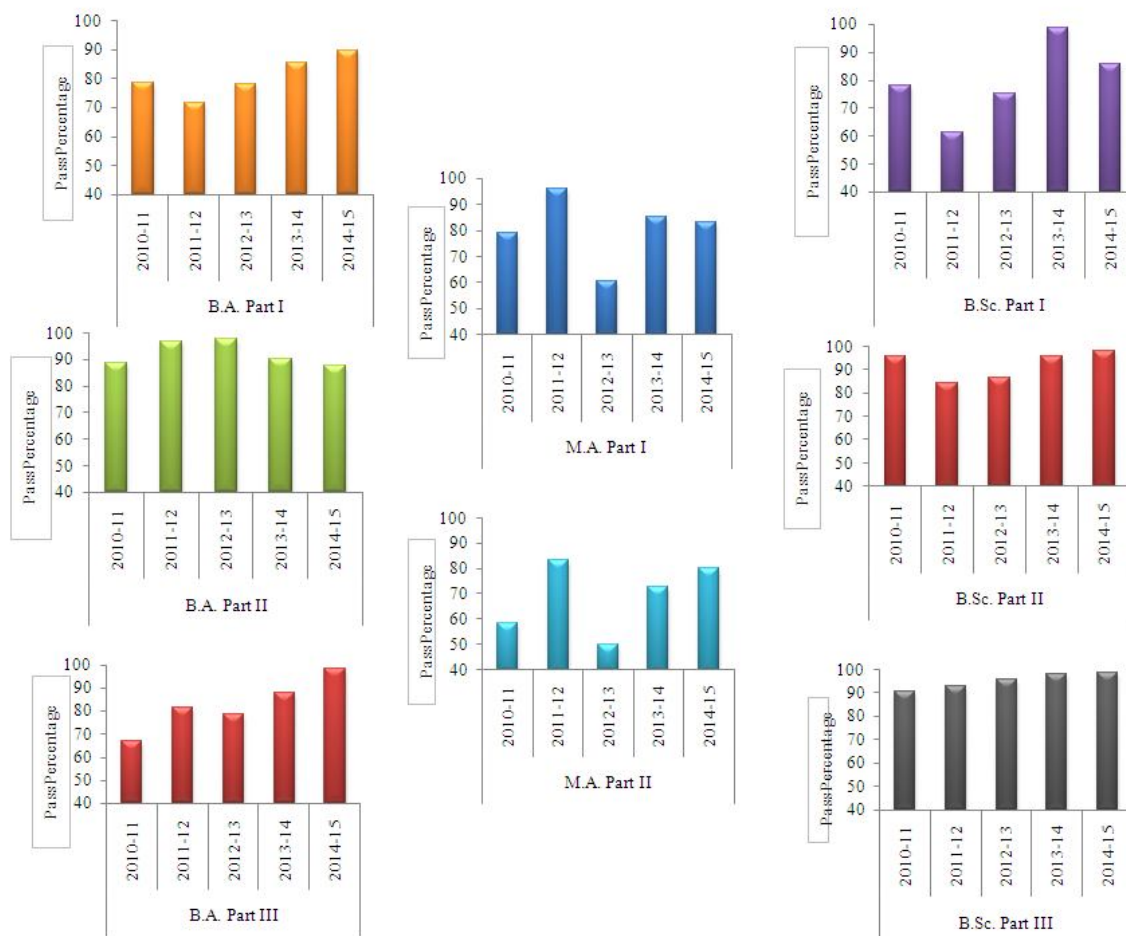
Year wise and batch wise details of passing percentage in university Examination are given below in tabular and bar chart form.

**Table 5.7 Passing Percentage in University examination**

<b>Year</b>	<b>B.A</b>			<b>B.Sc</b>			<b>M.A</b>	
<b>Part</b>	<b>I</b>	<b>II</b>	<b>III</b>	<b>I</b>	<b>II</b>	<b>III</b>	<b>I</b>	<b>II</b>
	<b>Pass Percentage</b>			<b>Pass Percentage</b>			<b>Pass Percentage</b>	
2010-11	78.70	88.63	66.97	77.77	96.00	90.48	78.94	58.33
2011-12	71.69	96.87	81.14	61.28	84.02	92.81	95.83	83.33
2012-13	78.09	97.89	78.64	75.32	86.75	95.80	60.71	50.00
2013-14	85.63	90.19	87.70	98.82	95.54	98.26	85.00	72.72
2014-15	89.55	87.85	98.23	85.54	98.26	98.50	83.33	80.00

The relevant bar chart indicates the progression and consistency in result in University examination of our college students during the last five years, ( i.e. 2010-11 to 2014-15). As compared to other reputed local colleges (GKG, Shahaji and Vivekananda ) our results seem to be fairly satisfactory.

**Figure 5.1. Program Wise Pass Percentage Bar Chart**



### 5.2.3: How does the institution facilitate student progression to higher level of education and/or towards employment?

Institution facilitates student progression to higher level of education by;

- 1) Special permission is given to students to use reference books in library for entrance examination preparation
- 2) Guidance for PG Entrance examinations.
- 3) Alumni and student interaction through meet for getting job and choosing career.

### 5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

Efforts in the form of extra teaching to simplify subject content, giving assignments, conducting practice tests, and guidance for improving performance are taken by teachers, both at personal and departmental level to avoid risk of failure. A counseling lecture “How to Overcome Examination Phobia?” was arranged. The financial support is given by some teachers in the form of fees, books donations financial assistance for study tours. The College also provides support through Earn and Learn Scheme and Student Aid Fund.

### 5.3: Student Participation and Activities

#### 5.3.1: List the range of sports, games, cultural and activities available to students. Provide details of participation and program calendar.

(A) **Sports:** Our college students participate in the Zonal and Inter-Zonal Sports Competitions organized by the Shivaji University, Kolhapur, in the events such as Athletics, Badminton, Cricket, Chess, Football, Table Tennis, Volleyball, Swimming, Judo, Wrestling, Shooting, Taekwondo, Boxing etc.

(B) **Cultural & other extra-curricular activities:** Student participate in Youth festival, Elocution, debate, spot photography, solo and sugam-sangeet, street play, one act play, poetry recitation, essay and poster competition, classic dance and folk dance. Annual Plan of Sports and Cultural/Extra Curricular activities are as give in table:

**Table 5.8 Details of Participation**

Participation	Number of Students Participated				
Year →	2010-11	2011-12	2012-13	2013-14	2014-15
Sports	35	57	46	81	81
Cultural and Extra curricular	06	24	34	55	81
Total	41	81	80	136	162

**Table 5.9 Program Calendar**

List of Events	Academic years 2010-11 to 2014-15
Participation in Zonal and Inter-Zonal Sports Competitions organized by Shivaji University, Kolhapur	August to December as per the schedule given by the University.
Participation in Open sports competitions organized by the Association	September to February every year as per the schedules of the concerned Association/s
Other programmes in Sports (1) Workshops in sports (2) Training programmes /camps	Yoga training Camp
Other programmes in Youth Festival (1) Preparation of cultural, dramatic, Dance, Debate, Elocutions, mono-act etc. (2) Participation in above events during – Zonal and Inter-Zonal levels.	Every year in the months of August to October, in two phases – Zonal and Inter-Zonal Level
Annual Cultural Program	In the month of January /February every year

#### 5.3.2: Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University /State /Zonal /National /International, etc. for the previous four years.

Major achievements of students is given in following table:

**Table 5. 10 (a): Details of Major students' achievement in sports**

Year	Name of the students	Name of the competitions	Achievements
2010-11	1.Khot Supriya 2.Vaidya Nitesh 3.Shaikh Dastgir	1. Marshal Art 2.Vushu and Boxing	1.National 2.National 3.State
2011-12	1.Nikita Babar 2.Umesh Chougule	1.Khomalai 2.Taekwondo	1.National 2.National
2012-13	1.Rathod Mahesh 2.Patil Sangram 3.Chougule Mahesh	1.Vushu 2.Chess 3.Vushu	1.International 2.West zone All India 3.National
2013-14	1.Chavan Shraddha 2.Sathe Amar	1.Swimming 2.Cricket	1.National 2.National

**Table 5.10 (b) Details of Major students' achievement in Cultural and Extra Curricular Activities.**

Year	2010-11	2011-12	2012-13	2013-14
No of students	03	07	08	05

### **5.3.3: How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?**

The feedback on teaching quality, class room activities and syllabus completion is taken from the students at the end of year mainly by third year students. Also college arranges farewell function to interact with graduate student. Many Employers like Warana Sahakari Dudha Udpadak Prakriya Sangha, Kirloskar Oil Engines appreciate knowledge and skill of our student. And gave positive suggestions for further improvement and greater employability

Suggestion from student and feedback data is used positively to enhance performance and quality. It is policy of Govt. authority to conduct "Review Meeting" of Principals about academic and administrative audit. Recommendations and suggestions in meeting by Director and Joint Secretary of Higher education, which helps us for improvement.

### **5.3.4: How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.**

a) **Wall-Magazine:** Via Corner exhibits and Departmental club exhibit.

b) **College Magazine:** College magazine 'Rajaramiya' is published annually.

c) **News Paper Articles:** The institution encourages the students to publish their material in the local and state level newspapers. The students have actively participated in debates organized by news papers. Ms. Jayashri Desai was appointed Ambassador for 'Yuva Next' (Lokmat Newspaper)

**5.3.5: Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.**

Yes. Under the University Act 1994, clause 40(2) (VII) and (VIII) and University Statute 220, the students council is formed every year by nomination procedure laid down in the Act. The council in our college consists of 8 class representatives (CR) selected from each class and 6 Representatives nominated by the Principal, thus totaling to 14.

**Major Activities of the Council:**

a) To maintain discipline in the college, b) To establish liaison between students and staff, c) To plan and organize various curricular and co-curricular activities in the college, d) To conduct Student Welfare Programmes.

Funding: The expenditure incurred by and for the activities of the council is done from the Gymkhana fees collected from the students. The list of members of council is printed in College Magazine.

**5.3.6: Give details of various academic and administrative bodies that have student representatives on them.**

Every department has an association, society or a forum which conducts various curricular, co-curricular and extra-curricular activities. The faculties of concerned departments are ex-officio members and they provide the necessary guidance. The students are actively involved in the planning and execution of its activities which go beyond the syllabus and classroom. Academic bodies represented by our students are: English club, Hindi Mandal, Hikers Club, Wallpaper Club, Manas Pariwar, Bio-vision Club, Geography Club, Science Club Chem Club, Astro Club, Economic Forum, Social Science Club, ,Gems- The Geology Club, Kaleidoscope Film Club, Wilderness- Trekking Club, Silver fish Reading Club.

Administrative bodies represented by our students are: IQAC committee, Students council, Grievance Redressal, Anti Ragging Committee, Cultural Programme, Discipline committee.

**5.3.7: How does the institution network and collaborate with the Alumni and former faculty of the Institution.**

We collaborate with the alumni by arranging *Alumni Meet*. Cultural Activities were successfully organized by guidance and counselling obtained from such luminaries as: *Ms. Sanyogita Patil* (Guinness Book of World Record Holder for Bharatnatyam Program), *Ms Tejaswini Sawant* (India's Star Shooter), *Hemant Nimbalkar* (I.P.S. Bengaluru). Institution invites former faculty members for contributory lectures. They are also invited for Annual Prize Distribution Function and Alumni Meet. A copy of our college magazine is annually sent to Renowned Alumni for their reference.

**Any other relevant information regarding Student Support and Progression which the college would like to include:**

For Last two years admission process is online at entry level to enable student aware about ICT. College has Girls hostels and boys hostel with Gym facility. Catered mess facility is provided in Ladies Hostel. College student participate in Lead college activities arranged by this college and other colleges in sector. Ladies Staff club contributes to Student Aid Fund for financial support to economically weaker, meritorious student.

## CRITERION-VI

### GOVERNANCE LEADERSHIP AND MANAGEMENT

#### 6.1 Institutional Vision and Leadership

**6.1.1 State the vision and mission of the Institution/ and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?**

**Vision:** "Quality Education for Personality and for Nationality"

**Mission:** To impart quality education to students from all strata of society, to create and to stimulate a conducive academic atmosphere for Higher Education, to ensure values like Truth, Honesty, Character, Sacrifice among the Students by sensitizing them to various issues and problems of the society and to make them competent, global citizens, aware of new technologies and scientific temper.

Our college, founded as it was way back in 1880, naturally was influenced by the pre-independence ethos. Right from its inception, it catered to the needs of the common students coming from all over the states and the rural background in the vicinity of Kolhapur. As the facility of collegiate education was scarcely available those days, generations of students sought higher education in the portals of this college. In fact, our alumni have figured in all walks of life such as social work, politics, judiciary, literature, culture, scientific jobs so on and so forth. We have maintained this variety to this date. Even today, our student profile can boast of urban/ rural, marginal/ elite, educated/ less educated and male/female populations. Our teachers, highly qualified as they are, always remember this glorious Heritage and their responsibility in fulfilling the stated mission on the background of our vision. We hope to make education purposeful by making our students competent, global, citizens by following '*glocal*' practices i.e. following both, global and local practices.

**6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?**

The college has academic, administrative and co-curricular committees working under the Principal to implement its quality policies and plans. The committees are delegated powers to co-ordinate and effectively implement their own ideas and chalk-out programs that will reflect the vision and mission of our Institute. The institute is dedicated to increase student competency to global standards. The college regularly interacts with alumni, students, renowned academicians, educationalist, environmentalists, professionals and industrialists. Their inputs are taken into consideration for implementation of different plans to achieve excellence. Review is taken periodically by Director and Principal Secretary of Higher Education, State Government.

**6.1.3 What is the involvement of the leadership in ensuring :**

- the policy statements and action plans for fulfilment of the stated mission
- formulation of action plans for all operations and incorporation of the same into the institutional strategic plan
- Interaction with stakeholders
- Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders



- **Reinforcing the culture of excellence**
- **Champion organizational change**

The Principal in collaboration with the LAC and IQAC tries to decide upon policy regarding various issues, prepare an action plan for all operations and incorporates them into the strategic plan.

The institutional strategic plans is formulated with the help of the members of staff for the benefit of the stakeholders.

Regular interactions are held with the stakeholders through activities such as meetings with student forum, parent meet, alumni associations, staff meetings, meetings with inmates of the hostels. This helps in realising problems with these stakeholders and ways to solve them.

Different committees help the Principal understand and prepare a needs analysis for policy formation and planning. He also seeks research inputs with his own efforts and grasps the problems with the help of consultation with the stakeholders.

All these exercise naturally reinforce the culture of excellence, keeping in view our vision and mission.

The Principal exhibits leadership qualities of the first order by championing organisational change according to the strategic plan prepared with the help of the stakeholders.

#### **6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?**

Being a Government institute, the Government education policy makers are our advisors. They moderate and evaluate our academic progress through periodic meetings with our Institutional Head at the State level. Every teacher is evaluated through a yearly Appraisal report. The performance of teacher is converted into an API score for placement through the committee framed by the Under Secretary, Government of Maharashtra, in consultation with the Director of Higher Education, Pune.

#### **6.1.5 Give details of the academic leadership provided to the faculty by the top management?**

The hierarchy of our institute is Principal Secretary of Higher education followed by Director of Higher Education, Principal, Departmental heads, IQAC cell and finally Committee coordinators, members. All of them work towards enhancing the quality of institute.

#### **6.1.6 How does the college groom leadership at various levels?**

The Principal is the leader of the Institute and as such it is his responsibility to judge the abilities and potentials of his colleagues and entrust different jobs to them.

The college is run through various committees of academic and administrative kind. The Principal tries to groom the teachers according to their abilities, expertise and likes by distributing the yearly work through committees assigned to them. He also closely monitors their performance noticing good and bad aspects and success and otherwise of the decisions taken by them while in action. This



helps the teachers acquire perfection in their work along with leadership qualities.

**6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?**

The delegation of authority follows a pattern of hierarchical responsibility under which the Principal conveys his expectations to the Heads of the Departments, who, in their own way entrust and distribute work to his colleagues according to their abilities. He also monitors the work entrusted and makes suggestions for improvements if any. This exercise gives autonomy to individual sections/ units and also sets in an example of decentralisation of governance. The college being a Government Institute has imbibed automatically the principle of individual and shared responsibilities.

**6.1.8 Does the college promote a culture of participative management?. If 'yes', indicate the levels of participative management.**

Yes. The college promotes a culture of participative management for effective and smooth functioning of the institute. The college follows a pattern of responsibilities entrusted according to relative seniority in the Institute, according to which the Principal is at the helm of affairs. He governs with the help and advice of the LAC. The policies and decisions taken are administered through the Heads of the Departments.

The members of the staff have representation on different academic and administrative committees. They share responsibilities entrusted to them and contribute towards governance and execution of decisions taken by the higher bodies. Some such committees are LAC, IQAC, NAAC, Special Cell, Grievances Committee, Purchase Committee, Library Committee, Examination Committee, Admission Committee, Examination Committee, Discipline Committee to mention a few of them.

**6.2 Strategy Development and Deployment:**

**6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?**

The Institution does have a quality policy decided upon and finalized by the LAC according to the vision and mission. It is developed by the authorities and driven and deployed among members of different academic and administrative committees. The success or otherwise of these committees is periodically reviewed by the LAC at the local level and by the Government at the higher level.

**6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.**

Yes, the institute has a perspective plan with respect to the following aspects.

**\*Academic aspect:**

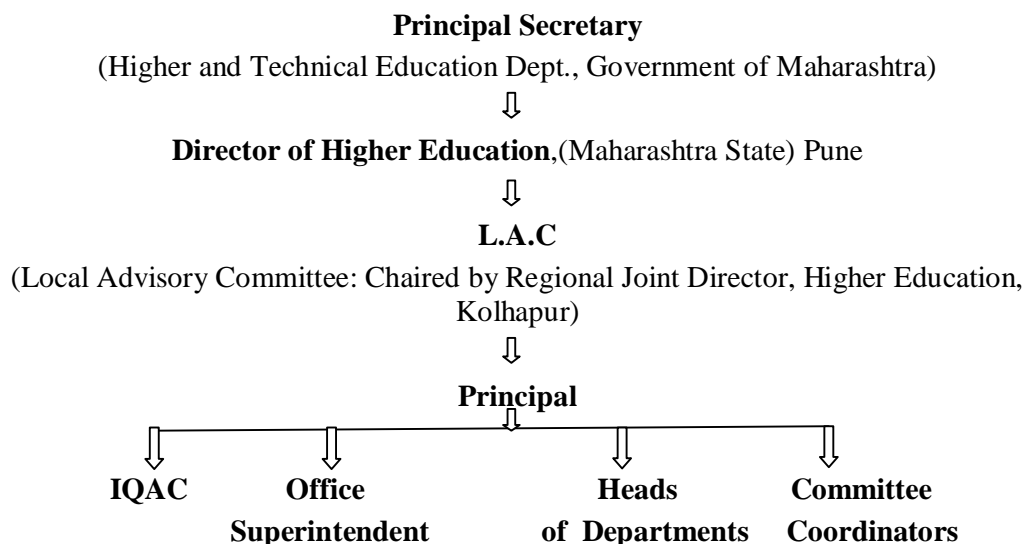
- Common facility centre for Research
- Introduction of new skill based programmes
- Introduction of new PG courses
- Interdisciplinary research projects
- Enhancing use of ICT in teaching

**\*Administrative aspect:**

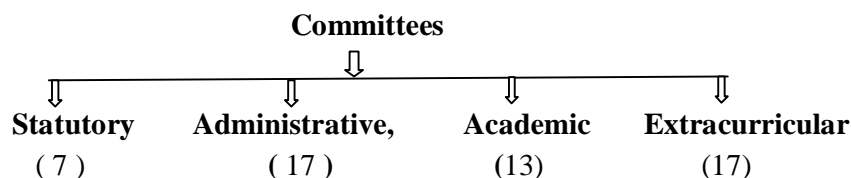
- Construction of separate Departmental Buildings
- Health Centre and Canteen
- Revival of Consumers Cooperative Store
- Automation of Administrative Block and Library

**6.2.3 Describe the internal organizational structure and decision making processes.**

The *organogram* of the Institute:



The types of major committees:



The process of decision involves the above mentioned internal committees. These committees meet on regular basis and decisions are taken by them after thorough discussion keeping in mind the vision and mission of the Institution. The Principal gets these decisions implemented through ordered passed by him within fixed time frame. If required these decisions are placed before the LAC for discussion and sanction.

**6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following:**

Quality improvement strategies devised by the college:

**\*Teaching and Learning:**

- A very strong support in the form of use of ICT for teaching in some subjects
- Support of INFLIBNET to make the use of Library more effective and relevant
- Organizing Experts lectures on the Departmental level to add to the subject knowledge of the students

- ‘Hands-On’ training in the Laboratories
- Periodical evaluation through surprise tests, unit tests, open book tests, preliminary examination, viva, assignments and project work.

**\*Research and Development:**

- Autonomy to the Principal Investigator
- Timely availability or release of resources
- Adequate infrastructure and human resources
- Time- off, reduced teaching load, special leaves etc to teacher
- Support in terms of technology and information needs

**\*Community Engagement:**

Keeping in view the vision and mission of the Institute, the college organises various programmes under the NSS and NCC. These programmes are a big step towards community engagement. These are as follows:

- Jagar Janivancha Abhiyan (Gender Sensitization Programme)
- Voting Awareness programme
- Traffic Rules Awareness Programme
- Visits to Old Age Homes, Specially Challenged Children Homes and Orphanages
- Health and Hygiene Awareness Camps
- Environmental Awareness camps

It is to be noted that most of these programmes are arranged in the nearby villages in the vicinity of Kolhapur, thus making significant efforts to cater needs of the community at large.

**\*Human Resource Management:**

In spite a crunch in human resources, our college has chalked out an effective mechanism for human resource management. The challenges in this area are met through the following steps:

- Clock hour basis (CHB) appointments
- Timely promotions and placements
- Increase in the Superannuation Age Limit

**\*Industry Interaction:**

- Syllabus based Industrial visits/tours
- MoU’s with important Industrial Houses
- Collaborations and linkages with eminent Industries, Academic bodies and Institutes
- In-Plant and On Job training at different Industries

**6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?**

The Principal monitors the work of various Departments through regular meetings, visits to the Department, teacher’s diary, attendance records and exam

result analysis. Every teacher and non-teaching member is assessed on yearly basis with the help of Self Appraisal Form.

The Appraisal forms are assessed by the Principal (as a Reporting Authority) and the Director of Higher Education, Pune, the Reviewing Authority, who confirm the grades of the performance of the concerned member. The Appraisal grades are conveyed to the respective staff.

**6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?**

The Local Advisory committee and IQAC encourage teaching and non teaching members to take active participation in the implementation of action plan. The excellence achieved by staff members is recorded in service book and in self appraisal, which help the faculties for further promotions. Staff members are also motivated to participate actively in policy formulation.

**6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.**

The following resolutions were made by IQAC and recommended by LAC last year and sent to the Higher Authorities for approval.

**Table 6.1 Resolutions made by the Management Council and implementation of resolutions:**

r.	Resolutions	Status of Implementation
1	New Building proposals	Approval pending
2	New courses for UG and PG	Approval pending
3	Additional division	Approved
4	RUSA, Scheme proposal for development	Sanctioned with a grant of Rs 2.00 crores
5	DPDC grant proposal for development	Implemented (Utilised)
6	State Government grant proposal for College development	Implemented (Utilised)

**6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?**

Yes. The proposal for the autonomy will be submitted after second cycle assessment and accreditation by NAAC.

**6.2.9 How does the Institution ensure that grievances/complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?**

Grievances and complaints are addressed through Grievance Redressal Cell, Internal Complaints Committee, Discipline Committee and Anti-Ragging Committee. Suggestion boxes have been kept at different places in the campus. These boxes are opened at the end of each month. The Grievances and complaints are sorted out and passed on to the Principal. Meetings of the above committees are held on regular basis

and difficulties sorted out. The students also approach the respective committees directly with their Grievance. Grievances and complaints are also discussed during Parent-Teacher meet.

**6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?**

Service related complaints are filed against Government of Maharashtra and Institution in the Maharashtra Administrative Tribunal, Mumbai (MAT).

**Table 6.2 Details on the issues and decisions of the court-cases**

Sr	Name	Case No	Issues	Decisions
1	Mr S.B Mali	MAT O.A. 1268/2010	Salary difference	the case is disposed with directions in August -2015
2	Mr. G.P. Patil	Industrial Court,44/2012Kolhapur	Regularization	Matter is pending
3	Mr.T.S. Naiknaware	MAT O.A.11/2015	Salary of Termination period	Matter is pending
4	Mr. G.P. Patil	MAT O.A.25/2015	Regularization	Matter is pending
5	Dr A.S. Khomane	MAT O.A.161/2015	Regularization	Matter is pending

**6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance?. If ‘yes’, what was the outcome and response of the institution to such an effort?**

Yes, the college has a mechanism for receiving and analyzing students feedback on Institutional performance.

**Table 6.3 Student feedback on Institutional performance**

Sr.	Issues	Responses	
		2013-2014	2014-2015
1	Teacher’s Performance	73.2	75.0
2	Curriculum/Co-Curriculum/Extra-Curriculum	81.0	85.0
3.	Infrastructure:		
a	Library facilities	65.0	68.0
b	ICT facilities	48.0	60.0
c	Sports facilities	65.0	72.0
d	Canteen facilities	40.0	40.0
4	Vision, Mission and Mechanism for the Students	78.0	84.0

Feedback Committee looks after the work of feedback collection, its analyses and reports it to the Principal. The Principal in consultation with the concerned authority takes prompt, appropriate and corrective policy decisions. The suggestions of the students are also collected through the suggestion boxes.

### 6.3 Faculty Empowerment Strategies

#### 6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

- Faculty members encouraged to attend Orientation and Refresher courses, short term courses and administrative training (at Prestigious Training Institutes such as YASHADA, Pune)
- The faculty motivated to undertake research activities and projects at National, International and State Level Institutes.
- The faculty encouraged to pursue higher studies like Ph.D.
- Non-teaching staff members trained in the use of office automation, computer skills, academic, administrative and finance matters.
- The Meditation and Yoga programmes conducted for physical fitness of the staff members.

#### 6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

The faculties are empowered by deputing them for various skill-based, value added training programmes.

**Table 6.4: Training Programmes attended by Faculties.**

Sr No	Organizer and Venue	Activity	Faculty
1	Infosys, BPO Ltd. Pune	Trainers Programme As A Part of " Project Genesis"	1.Dr. Mr. P. D. Talap 2.Dr. Mr.R.A. Kadakane
2	Yashvantrao Chavan Academy of Development Administration, Pune	1.Training on MS-Excel-2010, Advance Level 2."Procurement Procedure and Hardware Maintenance"	1.Dr,Mr.A.S.Khomane 2.Dr. Mr.P.U. Lande
3	UGC and Centre for Women's Study, Shivaji University, Kolhapur.	Capacity Building of "Women Managers in Higher Education": Sensitivity, Awareness, Motivation Workshop	1.Dr.Ms.A. J. Bodake 2.Ms. S. A. Jadhav 3. Ms. A. M. Datar
4	Friends of Moral Re-Armament (India) Asia-Plateau Panchgani	"Education Today, Society Tomorrow."	1.Dr.Ms.A.J. Bodake 2.Dr.Ms. A. R. Patil 3.Dr.Ms.L. D. Jadhav 4.Dr.Mr.D. B. Nakade 5.Dr.Mr. M. D. Kale

5	Shivaji University, Kolhapur	Orientation on Sexual Harassment of Women at Workplace-Act 2013	1.Dr. Ms. A.J. Bodake
6	MITCON and DST Govt. Of India, Kolhapur	Faculty Development Programme in "Entrepreneurship"	1.Dr.Mr.R. M, Kamble 2.Dr.Ms. A.J. Bodake 3.Mr. A. B. Tikekar
7	Commission for Scientific and Technical Terminology, HRD Govt. of India, Ratnagiri	"Biological Terminology in Regional Languages".	1.Mr. A. B. Tikekar 2.Dr.Ms. S. V. Toro 3.Ms. A. M. Datar
8	Lady Tata Memorial Trust and Wilson College, Mumbai	Techniques in Molecular Biology- "Hands On Training"	1. .Dr. Y. C. Attar 2. Mr. A. B. Tikekar
9	SIES Institute , Mumbai	Techniques in Spectroscopy	1.Dr. Y. C. Attar

**6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.**

The appraisal form consists of evaluation of the teachers achievement in multifarious areas, the chief being:

1. *Performance of Engaging Lectures/ Practicals.*
2. *Performance of Attendance of Students.*
3. *Performance of Results.*
4. *Other Performance:* **a)** Class room planning and control, **b)** Students guidance and counselling. **c)** Assignments/Evaluation. **d)** Curriculum/ Learning Resources Development. **e)** Seminars/ Training. **f)** CO-curricular Activities. **g)** Administrative functions
5. *Estimate of General Ability and Character of Grade "A" to Grade "C"*

*Officers/Employees:*

- a)** Industry and Application. **b)** Capacity to get work done by subordinates.
- c)** Relation with colleagues and public **d)** General Intelligence. **e)** Administrative ability including judgement, imitative, convincing ability and drive. **f)** Technical Professional ability. **g)** Attitude towards Backward class. **h)** Integrity and Character. **i)** Whether powers delegated are fully utilized. **j)** Fitness for promotion. **k)** Areas of training required. **l)** State of Health. **m)** Fitness for field work. **n)** Willingness to work on computer. **o)** General Assessment.

**6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?**

The self appraisal reports are evaluated by the Principal and sent to the Director of Higher Education, Pune for review. He sends it back with grades allotted to the concerned faculty. The Principal acquaints the faculty with the grade and is expected to improve upon the same if necessary.

**6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?**

The welfare measures undertaken for the staff and faculty are as per the Government rules and Regulations. These include:

**Table 6.5: Welfare measures of the Institute and Beneficiaries**

Scheme		Reimbursement of Medical Bills	LTC	Loan Facilities			Festival advance
				Home	Vehicle	Computer	
2010-2011	No. of staff applied	08	-	03	03	17	59
	No. of staff benefitted	08	-	03	03	17	59
2011-2012	No. of staff applied	10	01	03	03	14	55
	No. of staff benefitted	10	01	03	03	14	55
2012-2013	No. of staff applied	03	03	03	-	06	52
	No. of staff benefitted	03	03	03	-	06	52
2013-2014	No. of staff applied	08	06	03	-	05	49
	No. of staff benefitted	08	06	03	-	05	49
2014-2015	No. of staff applied	07	-	02	-	04	42
	No. of staff benefitted	07	-	02	-	04	42

**6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?**

The eminent faculty is attracted and retained through strategies such as Career Advancement Scheme and increase in Age of Superannuation,

**6.4 Financial Management and Resource Mobilization:**

**6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?**

The mechanism for monitoring effective and efficient use of financial resources is decided by the State Government and following it is obligatory for the Institute.



The college prepares annual budget for the year. This budgetary plan is submitted to state government for approval. After approval of budgetary plan, the purchase committee monitors the process of purchase. The purchases are made through quotation process, e-tendering and Rate contracts. The audit by Indian Audit and Account Department, Account General (A.G) Mumbai is made as per their schedule. The monitoring of available financial resources and expenditure are periodically reviewed by State Government of Maharashtra.

**6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.**

As per the rules and regulation of the government, internal and external audit is done by a competent authority.

The audit by the Account General, Mumbai was done on 01/03/2005 to 30/04/2005 for the period of 01/03/1996 to 30/04/2005 and the compliance is made of the same. The next AG audit is due this year. Generally the AG audit by the Account General, Mumbai is done after every ten years.

**Table 6.6 (a) Details of AG Audit**

Sr. No.	Audit Objections	Compliance made
1.	College maintained one cash book for two PLA accounts which is irregular as per G.R. dated 26/11/2002	Only one PLA account is maintained (bearing No. 87) and other account is S-deposit account for depositing the amounts received from the students such as Poor students Aid Funds etc.
2.	To keep separate Cash Book and separate register to watch receipt and payment of each head.	Single entry book keeping is followed. Reconciliation of deposits made in and withdrawals made from PLA-87 and S-Deposit account 123.
3.	Physical Verification of Cash balance was required to be carried out at end of each month by Head of Office.	Physical verification of cash balance is being carried out as suggested by the Audit.

The Physical Verification (stock verification) audit by the Auditor, Higher Education Grants-Kolhapur Division by the reference of Director of Higher Education, Pune is done between 24/09/2014 to 30/10/2014 for the period of 01/04/2009 to 31/03/2014.

**Table 6.6 (b) Details of Physical Verification Audit**

Sr. No.	Audit Objections	Status of Compliance
1.	Pending objections: 05	Compliance is yet to be made.
2.	Found Excess in Physical verification: 18. Deficit found in Physical verification: 40	Compliance is yet to be made.
3.	Write off and resale: 257	Compliance is yet to be made.

4	Approved for Write off but not resaled: 01	Compliance is yet to be made.
5	Not in use due to no maintenance: 47	Compliance is yet to be made.
6	Not in use from the date of purchase: 3	Compliance is yet to be made.

**6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.**

The major sources of receipts for the college are as follows: i) State Government, ii) District Planning and Development Committee (DPDC), and iii) UGC, BRNS, UGC-DAE, DRDO, the Ministry of Environments and Forests

*There is no question of managing deficit finance.*

**Table 6.7 Details regarding Audited income and expenditure statement in Rupees.**

Sources	Type of Grants	2010-11	2011-12	2012-13	2013-14	2014-15
<b>1) Govt. of Maharashtra</b>	<b>A) Plan Grant</b>					
	Sanctioned Amt	86,29,000	1,33,48,000	63,22,000	88,26,000	81,51,000
	Administrative approved amt	86,29,000	1,33,48,000	63,22,000	73,21,000	78,57,000
					71,81,000	81,51,000
	Expenditure	85,96,000	1,33,48,000	59,60,000	71,81,000	78,57,000
	<b>B) Non Plan Grant</b>					
	Sanctioned Amt	5,18,56,177	5,68,89,534	6,02,87,594	7,87,28,081	8,67,41,151
	Expenditure	5,10,43,757	5,65,12,123	6,02,75,401	7,87,26,939	8,27,32,262
<b>2) District planning and Development Committee</b>	Sanctioned Amount	34,22,000	68,00,000	51,22,000	60,23,000	40,62,000
	Administrative approved amount	34,22,000	68,00,000	51,22,000	60,17,000	25,56,000
	Expenditure	34,22,000	68,00,000	51,22,000	60,17,000	25,56,000
<b>3) Personal leisure account Includes non government fees , funding from non government agencies like UGC, University etc.</b>	<b>PLA- 87</b>					
	Opening Balance	70,92,909.75	60,21,683.75	37,10,190.75	43,57,136.75	40,88,490.75
	Closing Balance	60,21,683.75	37,10,190.75	43,57,136.75	40,88,490.75	40,65,375.75
	<b>PLA Educational deposit account (S)-123</b>					
	Opening Balance	16,33,342.82	16,56,203.82	16,30,596	16,25,856.82	14,30,688.82
	Closing Balance	16,56,203.82	16,30,596	16,25,856.82	14,30,688.82	10,35,795.82

#### **6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).**

Along with State government and DPDC funds, additional financial assistance of 5.03 crore was demanded for campus development under Late Yeshvantrao Chavan Celebration Birth Centenary year. The government of Maharashtra sanctioned Rs 4.91 crore. The amount is utilised for building a New Administrative building, renovation of Auditorium and Campus development.

The special proposal for construction of new buildings for departments was sent to State Government. The Government sanctioned 8.44 Crores for the same, out of which Rs 2.68 Crores are disbursed. However, as per the new DSR rate, the revised proposal for construction of new buildings for departments of Rs **14.67** Crores is resubmitted. The college has submitted proposal for new construction, renovation and procurement of instruments under component No 7 of RUSA scheme. Rupees 2.00 crores have been sanctioned under RUSA scheme.

#### **6.5 Internal Quality Assurance System (IQAS):**

##### **6.5.1 Internal Quality Assurance Cell (IQAC)**

**a) Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?**

Yes.

The quality assurance of the Institute is achieved through:

- Effectively Disseminating information on the various quality parameters of higher education.
- Promoting research and creating tempo of enthusiasm for research activities in every department.
- Promoting the use of technology for effective teaching learning process, organising various national and state level seminars, conferences, workshops etc.
- Retrospection of the programmes and introduction of the new age programmes relevant to the present educational scenario.

The IQAC prepares the AQAR reports of the College.

**b) How many decisions of the IQAC have been approved by the management/ authorities for implementation and how many of them were actually implemented?**

The following decisions of the IQAC have been approved by the authorities and implemented by the college:

- Online admission system
- Research laboratory recognition.
- Additional division for B.A. and B.Sc. Part 1
- Starting Statistics and Marathi subjects at third year
- Organization of National Conferences
- Organization of various lead college activities
- Rain water harvesting
- Solar Water Heater for Hostels
- Office and Library automation

- Minority Women's Hostel
- Student welfare scheme- Earn & Learn Scheme
- Youth festival

**c) Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.**

Yes. The two external members on the IQAC are

- i) Dr. S. S. Mahajan, Head, Commerce Department, Shivaji University, Kolhapur and
- ii) Mr. Mansingh Pawar, Managing Director, Marvellous Motors, Kolhapur.

We are pleased to mention that in spite of their busy schedule, the two members have been punctual in their attendance and have participated in discussions coming out with constructive suggestion.

**d) How do students and alumni contribute to the effective functioning of the IQAC?**

The students and alumni have always taken a positive view of the functioning of the IQAC. They have always rendered best co-operation for realising the objectives and functions of the important body.

**e) How does the IQAC communicate and engage staff from different constituents of the institution.**

IQAC communicates with the staff from different constituents of the institution through meetings.

**6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalisation.**

Yes, an integrated framework for quality assurance has been established in our Institute. An Internal Academic Committee headed by Principal monitors academic and administrative activities. The faculties maintain academic diaries to record their academic, co-curricular, extra-curricular and extension activities. This has enhanced the overall quality of academics and administration.

The operations carried out by the committees are as follows:

- Computerization of administrative work
- Planning of academic calendar,
- Periodic meetings of teaching and non teaching staff
- Personal interaction between Principal and staff
- Academic as well as administrative audit (AAA)

All these measures help to initiate a work culture in our college.

**6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.**

Yes. The members of teaching and non-teaching staff are deputed to participate in different programmes related to ICT, Software, Value Education and Entrepreneurship Development. The impact of these has been heartening as they have taken a positive view of their trainings in these areas.

**6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If ‘yes’, how are the outcomes used to improve the institutional activities?**

Yes. Academic and Administrative Audit (AAA) was done by the University Committee as per directives of the Maharashtra Universities Act 1994. The DHE, Pune reviews the academic and administrative activities of the college twice a year.

The outcomes of these show a marked increase in:

- Students strength
- Results
- Research activities
- Funding for research activities
- Research publications

**6.5.5 How is the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?**

The internal quality assurance mechanism works on guidelines of the external quality assurance regulatory authorities like Director of Higher Education, Pune, Shivaji University and NAAC. The AAA panel also presents a report in the Exit meeting to the Principal based on the SWOC analysis which is further analyzed for the implementation of suggestions of AAA. In this way, by undergoing such audits college binds itself for quality assurance.

**6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcomes?**

The institute has a clearly defined approach to the learning outcome assessment. Faculty is entrusted with the duty to determine the intended educational outcomes of their academic programs and activities. The institution has a well- defined mechanism to monitor the learning outcomes. The Principal, IQAC committee and Heads of the Departments continuously monitor and evaluate teaching- learning process that includes,

- Modern Teaching methodologies (ICT based teaching)
- Strict Implementation of Academic calendar
- Staff involved in syllabus framing (BOS, Syllabus subcommittee etc. )
- University Examination Result Analysis
- Students feedback

**6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?**

The quality assurance policies, mechanism and outcomes are effectively communicated to the internal and external stakeholders through:

College Website,  
Parents Meet

Prospectus,  
Personal Communications

Notice boards,

**Any other:** No

## CRITERIA VII

### INNOVATIONS AND BEST PRACTICES

#### 7.1: Environment Consciousness:

##### 7.1.1 Does the college conduct a Green Audit of its campus and facilities?

Yes. The college conducts a green audit of the campus and facilities.

##### 7.1.2: What are the initiatives taken by the college to make the campus eco-friendly?

In this context, following initiatives have been taken by the college:

- **Energy Conservation:** The entire wiring circuits have been replaced recently by modern ones and LED lamps along with Solar Water Heaters have been installed.
- **Use of Renewable Energy :** Solar energy is used for heating water in Hostels.
- **Water Harvesting:** In all, six rain water harvesting tanks with the capacity of 50,000 litres each have been constructed in the campus.
- **Plantation and Tree Census:** The campus area is vast (66.13 acres). The total number of trees is counted. Moreover, trees and plants are planted every year by the college NCC and NSS units with the help of Alumni Association, Kolhapur Municipal Corporation, The Department of Forest, Rotary club and other such agencies. The maintenance of trees and plants is well taken care of with the help of Department of Botany, Campus Development Committee and specially appointed gardeners.
- **Waste Management:** It is done through:
  - a) **Hazardous Waste Management:** Such waste is collected, assorted and disposed off through recycling.
  - b) **E-waste Management:** The e-waste is collected assorted and sent for recycling to the industries.
  - c) **Organic Waste Management-** Vermi-composting and pit type composting units take care of the organic waste.
- **Prevention of sound pollution:** It is mandatory for students and visitors to park the vehicles at the college entrance in order to create a proper ambience for an educational institution.
- Besides these activities, the college has consciously undertaken several programmes to create an awareness regarding Environmental Consciousness in the Society (Workshops-20, Cycle Rallies-02 and Exhibitions-08).

#### 7.2. Innovations

##### 7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

The innovative practices having positive impact on the functioning of the college:

- **Sanvedana Manch:** Here the students come together with news-paper cuttings of important social events. An elaborate discussion takes place. It enhances students' perceptions of social ethos.
- **Online admissions:** The practice of online admissions has been in practice since 2013. The process includes inviting applications and documents, preparing merit lists and displaying the final selection. The practice has resulted in ensuring

accuracy and transparency, saving time and greater sophistication regarding admissions.

- **Construction of compound wall and security guards:** The vast area of the campus is protected by the compound wall and the campus is guarded by the specially appointed guards working in shifts.
- **Ready Reference Pattern:** Department of Microbiology and Industrial Microbiology have started the innovative practice of preparing ready references for the use of faculty and students. Here students prepare bibliographies and study material with the help of faculty. This has been useful for academic development and research activities of the college.

### **7.3: Best Practices:**

**7.3.1 Elaborate on any two best practices in the given format at page no.98, which have contributed to the achievement of the institutional objectives and/or contributed to the quality, improvement of the core activities of the college.**

**(Please see page No.    and    )**

## C) INPUTS FROM THE DEPARTMENTS

### 01 : DEPARTMENT OF CHEMISTRY

1. Name of the Department : **Department of Chemistry**
2. Year of Establishment : **1927**
3. Names of Programmes/ Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters, Integrated Ph. D., etc.): **UG ,PG ,M. Phil. and Ph. D.**
4. Names of Interdisciplinary courses and the departments/units involved : **Nil**
5. Annual /semester /choice based credit system (program wise) : **Semester**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **NIL**
8. Details of courses/program discontinued (if any) with reasons : **NIL**
9. Number of teaching posts :

	<b>Sanctioned</b>	<b>Filled</b>
<b>Professor</b>	-	01 (Principal)
<b>Associate Professor</b>	-	02 (CAS)
<b>Assistant Professor</b>	7+3	04

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./M. Phil. etc.,) :

<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>Experience</b>	<b>No. of Ph. D. students guided for last 4 years</b>
Prin. Dr. V. B. Helavi	M. Sc., Ph. D.	Principal	Organic Chemistry	28	2
Dr. V. M. Bhuse	M. Sc., SET, Ph. D.	Head & Associate Professor	Inorganic Chemistry	25	1
Dr. Smt. K. K. Patil	M. Sc., B. Ed., SET, Ph. D.	Associate Professor	Organic Chemistry	18	-
Dr. Smt. A. J. Bodake	M. Sc., B.Ed, Ph. D.	Assistant Professor	Organic Chemistry	21	-
Dr. B. D. Bhosale	M. Sc., SET, Ph. D.	Assistant Professor	Physical Chemistry	16	-
Dr. P. D. Talap	M. Sc., B. Ed., Ph. D.	Assistant Professor	Physical Chemistry	26	-
Dr. A. S. Khomane	M. Sc., B. Ed., SET, Ph. D.	Assistant Professor	Organic Chemistry	15	-



**11. List of senior visiting faculty :**

**Nil**

**12. Percentage of lectures delivered and practical classes handled (Programme wise) by temporary faculty : % For the year 2014-15**

	<b>Theory %</b>	<b>Practical %</b>
<b>B.Sc I</b>	<b>0</b>	<b>50</b>
<b>B.S II</b>	<b>25</b>	<b>0</b>
<b>B.Sc III</b>	<b>0</b>	<b>0</b>

**13. Student -Teacher Ratio (Programme wise) :**

	<b>2014-15</b>
B. Sc. I	75:1
B. Sc. II	59:1
B. Sc. III	11:1

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

<b>1.</b>	Lab Assistant	01
<b>2.</b>	Lab Attendant	05

**15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG :**

**All faculty members are PhD holders 08 Ph.D. and 02 PG**

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

**01: UGC funded project Rs.8.85 Lacs**

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

- **Dr. B. D. Bhosale**, Minor Research Project - **UGC Grant received - 2,00,000.00/-** and completed.
- **Dr. V.B. Helavi** Major research project UGC

**18. Research Centre /facility recognized by the University : YES Laboratories are recognized by the University for M.Phil. and PhD Research work**

- Faculty recognized as Guide for M. Phil., Ph. D. and M. Sc. T&D : **06**
- Faculty recognized as Guide for M. Phil. : **01**

**19. Publications: (During last five years)**

**a) Publication per faculty : 3.7**

- Number of papers published in peer reviewed journals (national / international) by faculty and students : **26**
- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

Faculty Name	Peer Reviewed Journals (National International)	Citation Index	International database	h-Index	Books with ISBN/ISSN	Chapter in Books
Dr. V. B. Helavi	05	23	05	03	--	--
Dr. V. M. Bhuse	07	358	07	13	--	--
Dr. Ms. K.K. Patil	02	--	02	--	--	--
Dr. B. D. Bhosale	02	09	02	03	--	--
Dr. P.D. Talap	03	48	02	01	--	--
Dr. A.S. Khomane	07	213	07	08	--	--

- Monographs : Nil
- Chapter in Books : Nil
- Books Edited : Nil
- Books with ISBN/ISSN numbers with details of publishers : Nil
- Citations Range : 9 - 358
- SNIP : Up to 1.950
- SJR : Up to 1.585
- Impact factor : Up to 3.01
- *h*-index : Range : 1- 13

**20. Areas of consultancy and income generated :**

**Consultancy related with water analysis, Funds generated Rs. 700.00**

**21. Faculty as members in :**

- a) National Committees : 01
- b) International Committees : Nil
- c) Editorial Boards : Nil

**22. Student Projects :**

- a) Percentage of students who have done in-house projects including inter departmental / programme : **100% (B. Sc III students)**

*(All B.Sc- III(Chemistry) Students have to do a research project as a part of their curriculum)*

- b) Percentage 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 : -----**

- **Dr. V.B. Helavi**
  - HON. CHANCELLORs NOMINEE: For Recruitment of teaching faculty (*Honors*)
  - Local Management Committee (LMC) Members
  - Rajarshi Chh. Shahu Maharaja Aadarsh Shikshak Purshkar.
  - Yashwantrao Holkar Purskar.
- All faculty of Department is recognized by Shivaji University as Research Guide for Ph. D. and M. Phil., M.Sc (T&D).
- Life member of Indian Chemical Society: Dr V.M. Bhuse
- Life member of AICTE : Dr.Ms. A.J. Bodake

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

Dr C.D. Lokhande,	Prof. Sivaram Bhoje,	Prof. K.Y Rajapure
Prof. S. H. Pawar,	Dr R R Kumbhar,	Prof. S. Kowshik,
Dr. S. D. Delekar,	Prof P. S. Patil,	Prof. V. Siriguri,
Dr. M.B. Mane	Dr P.R. Bhagat	Dr P.B. Pabarekar
Dr S.P Govindwar		

**25. Seminars/ Conferences/Workshops organized & the source of funding :**

- a) National : Nil
- b) International : Nil

Organized University level workshop on 'Recent Trends in Research Application'

**26. Student profile programme /course wise :2014-15**

Name of the Course/Programme	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
B. Sc. I	2009	372	167	205	94.35
B. Sc. II	391	235	94	141	98.75
B. Sc. III	110	67	34	33	92.53

**27. Diversity of Students :**

Name of the Cours	% of students from the same	% of students from other States	% of students
B.Sc.	100	0	0
M. Phil.	100	0	0
Ph.D	100	0	0

**28.** How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. : **SET 10**

**29. Student progression :**

Student progression	Against % enrolled
UG to PG	33.0
PG to M. Phil.	-
PG to Ph. D.	-
Ph. D. Post-Doctoral	-
<b>Employed</b>	
• Campus selection	-
• Other than campus recruitment	35.0
Entrepreneurship	-

**30. Details of Infrastructural facilities :**

a) Library : Departmental Library contains

**Textbooks and reference Books: 230**

**e-books: 51 Journals: 25**

b) Internet facilities for Staff and Students :

**Wi-Fi Facility Available.**

c) Class rooms with ICT facility : **Available**

d) Laboratories : **05**

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

Name of Scholarship	No of Students
Merit Scholarship	-
Dakshina Fellowship	-

Students Aid Fund	02
Government of India	33

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

1. Guidance Lecture on “Preparation of M. Sc. (CET) examination” by i). Mr. Trushant Lohar ii). Miss Sheetal Modbhagat, iii). Miss Amruta Ghagate
2. Research at international Level in Chemistry: Mr. Shakeel Afraj
3. Career in foreign languages: Miss Apoorva Deshpande
4. Lecture on “Opportunities in Banking and Competitive Examinations” i) Mr. Omkar Barve ii) Prasanna Karmarkar (Ex-Rajaramian)
5. Lecture on “Career in Chemistry” Dr. P. B. Pabrekar, Vice-Principal, Vaze College, Mumbai.1
6. Lecture on Effect of Chemical on “Environment”- Dr. Sonal Chonde.
7. Guidance Lecture on “How to prepare of M. Sc. (CET) examination” Mr. Santosh Powar
8. Lecture on “Career and opportunities in Banking and Competitive examinations”
9. i) Mr. Omkar Barveii) 2. Prasanna Karmarkar (Ex-Rajaramian)
10. Lecture on “Nanotechnology” Dr. S.D. Delekar.
11. Lecture on “Research and career in Higher studies” : Dr.S.P. Govindvar
12. Intercollegiate Competitions are arranged every year
13. Visit to various Industrial Visits are arranged.
14. Carrier in Army by Major Santosh Jadhav

**33.** Teaching methods adopted to improve student learning :

- Group Discussion
- Power Point Presentation
- Scientific Models
- Charts
- Industrial Visits
- Seminars

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

<b>Institutional Social Responsibility (ISR)</b>	<b>Extension Activities:</b>
Participated in Rally for Voter Awareness, cleanliness campaign, blood donation	Analysis of Drinking Water
Participated in Rally for Social Awareness	Intercollegiate Competitions are carried out every year
Visit to the Old Age Home at Bahubali	Visit to school in Kolhapur for demonstration of food adulteration

**35.** SWOC analysis of the department and Future plans :

**A) Strengths;**

- 1.Excellent Results
- 2.Highly experienced teaching staff.
- 3.Well equipped Laboratories with M.Phil. PhD recognition by the University
- 4.Significant h- Index and Impact Factor

**B) Weakness.**

1. Lack of Instrumental Characterization Facility Centre

**C) Opportunities :**

1. To start P.G. courses.
2. To start job oriented vocational courses (Like: Applied Analytical Techniques for Pharmaceutical, Chemicals and Plastics industry)
3. To establish Linkages with Outside Agencies
4. To strive for Consultation with Outside Agencies

**D) Challenges:**

1. To strengthen research facilities
2. To start Advanced Courses in Nano-material Synthesis and Drug Synthesis.

**Future plans:**

- To start the PG courses in Analytical Chemistry and Integrated M. Sc in Organic Chemistry.
- To Develop a strong network & MOU with other institutions and industries.
- To Organize National /International Seminars/workshops.
- To strengthen consultancy practices.

## 02 : Department of Physics

1. Name of the Department : **Department of Physics**
2. Year of Establishment : **1934**
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): **UG and Ph.D**
4. Names of Interdisciplinary courses and the departments/units involved:  
**Physics and Electronics**
5. Annual/ semester/choice based credit system (programme wise):  
**Semester at B.Sc- I, II and III**
6. Participation of the department in the courses offered by other departments:  
**Electronics lectures and practical are conducted**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Research Collaborations with other institutes- **Nil**
8. Details of courses/programmes discontinued (if any) with reasons: **Electronics Department is separated in September 2013 for administrative purpose.**
9. Number of teaching posts

Teaching Post	Sanctioned	Filled
Professors	00	00
Associate Professors	00	01 (CAS)
Assistant Professors	05	03

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. etc.)

Sr	Name	Qualification	Designation	Specialization	Experience (No. of Years)	No. of Ph.D. Students guided last 4
1	Dr. Smt. S. S. Joshi	M.Sc. M.Phil, B.Ed. Ph.D	Associate Professor and Head	Materials Science	30	4
2	Dr. Smt. L. D. Jadhav	M.Sc. Ph.D	Assistant Professor	Energy Studies	16	9
3	Dr. Smt. K. K. Patankar	M.Sc. Ph.D	Assistant Professor	Solid State	12	1
4	Dr. Smt. A. U. Patil	M.Sc. Ph.D	Assistant Professor	Solid State Physics	4	Nil

11. List of senior visiting faculty: **Nil**
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty. (2014-15)

Subject	Physics (%)	
Class	Theory	Practical
B.Sc.-I	20	50
B.Sc.-II	16.2	50
B.Sc.-III	8.3	0

**13. Student -Teacher Ratio (programme wise):**

Class	B.Sc.-I	B.Sc.-II	B.Sc.-III
Ratio	59: 1	37:1	5:1

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled**  
Class 3 (Lab Assist) : **01**

Class 4( Lab Attendant): **05**

**15. Qualifications of teaching faculty with D. Sc/ D.Litt/ Ph.D/ MPhil / PG.**

**Four Faculty with Ph.D.**

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

a) Ongoing projects: **Two , Grant Received 5.32**

b) International funding agencies and grants received: **Nil**

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

Funding Agency	No. of Projects	Total Grant Received (in Lacs)
UGC	02	15.77
UGC-DAE-CSR	02	3.05
BRNS	01	15.02
DRDO	01	3.32

**18. Research Centre /facility recognized by the University:**

**Research Laboratory Recognized by Shivaji University.**

**19. Publications:**

\*Publication per faculty: : **11**

\*Number of papers published in peer reviewed journals (national/international) by faculty and students: **32**

\*Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.): **32**

\*Monographs: **Nil**

\*Chapter in Books: **01**

\*Books Edited: **Nil**



\*Books with ISBN/ISSN numbers with details of publishers: **Nil**

\*Details : Citation Index, SJR, SNIP, Impact Factor and h-index of faculty

Name of Faculty →	Dr. Smt. S. S. Joshi	Dr. L.D. Jadhav	Dr. K. K. Patankar
Citation Index	229	273	622
SJR up to	1.585	1.141	0.8
SNIP up to	1.905	1.453	1.408
Impact Factor up to	4.625	3.659	2.002
h-index	8	9	20

20. Areas of consultancy and income generated: **Nil**

21. Faculty as members in:

a) National committees: **Nil**, b) International Committees: **Nil**, c) Editorial Boards: **(02)**

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: **Nil**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: **10%**

23. Awards / Recognitions received by faculty and students:

**Awards:**

a) Best Research Paper Award for research paper by Dr. L.D. Jadhav in National seminar at IIT Mumbai (2011)

**Recognitions:**

Recognition as M.Phil, Ph.D Research Guides (Shivaji University) to three permanent faculty.

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

Prof. R. V. Bhonsle,	Prof. Sivaram Bhoje,	Prof. Y. Mandke
Shri Jayant Pawar,	Prof. D. P. Amalnerkar,	Prof. S. H. Pawar,
Dr. S. D. Sartale,	Prof. K. Y. Rajpure,	Prof.C. D. Lokhande,
Prof P. S. Patil,	Prof. V. Siriguri,	Prof. Shyamala Bharadwaj,
Dr. B. N. Wani,	Prof. V. Ganesan,	Prof. Mukhopadhyay,
Prof. S. K. Deshpande,	Prof Rayprol,	Prof. Somdatta Kowshik,
Prof Vijaya Puri,	Prof R. N. Patil.	

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

i) National conference: 01 - Funded by UGC- INSA-SU, *Materials for Future Technology (2014)*

ii) Workshop on 'Neutron for Researchers as a Probe for Exploring the Structure of Unknown Material' (2014) **Funding:** UGC-DAE-CSR.

26. (a) Student profile programme/course wise: **2014-15**

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. I	300	237	129	108	94.30
B.Sc. II	187	187	89	98	100
B.Sc. III	27	27	14	13	100

\*M = Male \*F = Female

**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. ( Physics)	100	0	0
M. Phil.	100	0	0
Ph.D	85.7	43.3	0

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

**29. Student progression**

Student progression	Year	Against % enrolled
UG to PG	2014-15	22.22
PG to M.Phil,	-	-
PG to Ph.D.	-	-
Ph.D. to Post-Doctoral	-	-
<b>Employed</b> • Campus selection • Other than campus recruitment	2014-15	-
	2014-15	14.81%
Entrepreneurship/Self-employment	2014-15	Nil

**30. Details of Infrastructural facilities**

**a) Library**

Internal departmental library. No of books 60.

**b) Internet facilities for Staff & Students**

Available

**c) Class rooms with ICT facility:** Available

**d) Laboratories**

Research laboratories recognized by Shivaji University.

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

Name of Scholarship	No of Students
Merit Scholarship	5
Dakshina Fellowship	1
Students Aid Fund	-
Government of India	20

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

Year	Name of Expert/Scientist	Topic	Programme
2011-12	Akash Darshan Mandal, Kolhapur	Elegant Universe	Workshop

2012-13	Dr Shivaram Bhoje Scientist	Nuclear Physics and Nuclear Energy	Lecture
2013-14	Mr Yashwant Mandke, I <sup>2</sup> IT Pune	EYES 2014	Lecture

### 33. Teaching methods adopted to improve student learning

E- learning techniques, power point presentation, interactive teaching. Imaginary concept in subjects are made simpler by developing models, projects demo kits, preparing charts.

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

Institutional Social Responsibility (ISR)	Extension Activities:
Participated in Rally for Voter Awareness	Potability Analysis of Drinking Water supplied in various Schools
Participated Rally for Social Awareness	
Visit to the Old Age Home at Bahubali	Visit to New Model English school, Kolhapur for Astronomy Slide Show

### 35. SWOC analysis of the department and Future plans

#### E) Strengths;

- Highly qualified Faculty: 04
- Significant h- Index and Impact Factor
- Adequate Facilities for Research
- Well Equipped, Recognized Research Laboratories
- Excellent Results

#### F) Weakness.

- Inadequate Supporting staff

#### G) Opportunities :

- To start P.G. courses.
- To secure Patents
- To strive for Consultation with Outside Agencies
- To establish Linkages with Outside Agencies

#### H) Challenges:

To start Advanced Courses in Nanotechnology, Astro-Physics and Space Science.

#### Future plans of the Department

- To start Post Graduation and Job Oriented Courses for students.
- To extend Departmental research activities to Industries and other Academic Institutions.

### 03 DEPARTMENT OF MICROBIOLOGY AND INDUSTRIAL MICROBIOLOGY

- Name of the Department:  
**Department of Microbiology and Industrial Microbiology**
- Year of Establishment: **1979-80 -Department Microbiology**  
**And -2000-01 Industrial Microbiology**
- Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :  
**UG Microbiology,**  
**UG Self Supporting , Industrial Microbiology,**  
**Ph.D. in Microbiology**
- Names of Interdisciplinary courses and the departments/units involved **Nil**
- Annual/ semester/choice based credit system (programme wise) : **Semester**
- Participation of the department in the courses offered by other departments: **Nil**
- Courses in collaboration with other universities, industries, foreign institutions, etc. **Nil**
- Details of courses/programmes discontinued (if any) with reasons : **Nil**
- Number of Teaching posts

	<b>Sanctioned</b>	<b>Filled</b>
Professors	Nil	Nil
Associate Professors	-	3 (Under CAS)
Asst. Professors	5	1

- Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of years of Experience</b>	<b>No. of Ph.D Students guided for the last 4 years</b>
Smt. S.A.Bhonsle	M.Sc	Associate Professor	Microbiology	30	-
Dr.Smt. Y.C Attar	M.Sc, Ph.D	Associate Professor	Microbiology	18+5(Private)	4
Shri. A.B.Tikekar	M.Sc	Associate Professor	Microbiology	28	-
Dr. D.B.Nakade	M.Sc, Ph.D	Assistant professor	Microbiology	20	5

11. List of senior visiting faculty:

<b>Dr. K. Aruna,</b>	<b>Dr. Jai Ghosh,</b>	<b>Dr. Nilisha Desai,</b>
<b>Shr Rajiv Diwan,</b>	<b>Dr.M.B. Lokhande,</b>	<b>Dr. A.M. Deshmukh,</b>
<b>Dr. K.D.Sonawane,</b>	<b>Dr. Arun Kharat,</b>	<b>Dr. R. S. Patil,</b>
<b>R.L. Devpurkar,</b>	<b>Dr. Mittal Jadhav,</b>	<b>Shri Amol Sherikar,</b>
<b>Adv. Deepa Vichare,</b>	<b>Prof V.A. Bapat,</b>	<b>Dr. Gajanan Rashinkar</b>

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

	Theory %	Practical %
B.Sc I (Micro)	20	50
B.Sc II (Micro)	20	50
B.Sc III (Micro)	30	50
B.Sc I (Ind. Micro)	60	80
B.Sc II (Ind. Micro)	60	80
B.Sc III (Ind. Micro)	60	80

13. Student -Teacher Ratio (programme wise)- 2014-15

	Ratio
B.Sc I (Micro)	30:1
B.Sc II (Micro)	25:1
B.Sc III (Micro)	8:1
B.Sc I (Ind. Micro)	11:1
B.Sc II (Ind. Micro)	10:1
B.Sc III (Ind. Micro)	7:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled- **Lab Assistant- 01, Lab Attendent -0 2**

Name	Qualification	Designation	Specialization	No. of years of Experience	No.of Ph.D Students guided for the last 4 years
Smt.S.A.Bhonsle	M.Sc	Associate Professor	Microbiology	30	-
Dr.Smt.Y.C Attar	M.Sc, Ph.D	Associate Professor	Microbiology	18+5 (Private)	4
Shri.A.B.Tikekar	M.Sc	Associate Professor	Microbiology	28	-
Dr.Sri.D.B. Nakade	M.Sc ,Ph.D	Assistant professor	Microbiology	20	5

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

## Ph.D- 2, PG- 2

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received - **01**
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received **UGC – 01 Total grant 1,61,000/--**
18. Research Centre /facility recognized by the University-  
**Laboratory recognized by University**
19. Publications: 24

a) Publication per faculty: **6**

Number of papers published in peer reviewed journals (national international) by faculty and students- **Faculty- 13 , Students- 11 .**

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

\*Monographs- Nil

\*Chapter in Books- Nil

\*Books Edited- Nil

\*Books with ISBN/ISSN numbers with details of publishers: 01

\*Citation Index- Range 4 to 35

\*SNIP- -

\*SJR- -

\*Impact factor- 1.56- 5.8

\*h-index- 1-3

20. Areas of consultancy and income generated:  
**Bacterial & Fungal Cultures supplied to other Institutes on demand.**  
**Income generated: Rs 2350.00**

21. Faculty as members in:
  - a) National committees - 02
  - b) International Committees- Nil
  - c) Editorial Boards- Nil

22. Student projects

- a) Percentage of students who have done in-house projects including inter Departmental/Programme:

**Industrial Microbiology-100%,**

(All B.Sc- III(Industrial Microbiology) Students have to do a research project as a part of their curriculum)

**Microbiology- 10%**

These projects are done voluntarily by students themselves.

- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies – **15%**

23. Awards / Recognitions received by faculty and students:

**Awards / Recognitions received by students:**

Sr. No.	Name of Students	Prize Won	Awarding Authority
1.	Pooja Kataria Komal Bhise	2 <sup>nd</sup> in Research Paper Presentation	Avishkar , Shivaji University, Kolhapur
2.	Khalid Maidenrgi Rashmi Raut	3 <sup>rd</sup> in Research Paper Presentation	Avishkar , Shivaji University, Kolhapur
3.	Shirish Rampure Dhanashri Chougule	1 <sup>st</sup> in Research Paper Presentation (State Level)	Avishkar
4.	Prajakta Jadhav Dhanashree Charaple	2 <sup>nd</sup> prize in Research Paper Presentation (State Level)	Avishkar
5.	Prajakta Jadhav Dhanashree Charaple	1 <sup>st</sup> prize in research paper presentation (University Level)	Avishkar, Shivaji University, Kolhapur
6.	Shirish Rampure Dhanashri Chougule	2 <sup>nd</sup> in research paper presentation (University Level)	Avishkar, Shivaji University, Kolhapur
7.	Shreevallabh Kulkarni	Bagged two prizes (1 <sup>st</sup> at University Level & 1 <sup>st</sup> at State Level) in Poster Competition	Avishkar , Shivaji University, Kolahpur
8.	Prajakta Patil	Bagged two prizes (1 <sup>st</sup> at University Level and 1 <sup>st</sup> at State Level)	Avishkar Competitions , Shivaji University, Kolahpur
9.	Shreevallabh Kulkarni	Young Scientist	International Conference, Udaipur

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

Dr. K. Aruna,

Dr. Jai Ghosh,

Dr. A.M. Deshmukh,

Dr. K.D.Sonawane,

R.L. Devpurkar,

Dr. K. Aruna,

Prof V.A. Bapat,

Dr. R. S. Patil,

Dr. Arun Kharat,

Dr. Gajanan Rashinkar.

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

a) National- 01, UGC funded- *Recent Trends & Future Prospects in Microbiology*

b) International:

State level workshop: 01 - *Techniques in Molecular Biology*

26. Student profile programme/course wise: 2014-15

Name of the Course programme	Applications Received	Selected	Enrolled		Pass %
Microbiology			M	F	
BSc I	238	127	36	91	96.0
BSc II	115	107	19	88	99.0
BSc III	51	26	4	22	100
Industrial Microbiology					
BSc I	80	45	30	15	99.0
BSc II	34	34	08	26	98.0
BSc III	31	31	8	23	100

27. Diversity of Students : B.Sc.III

Year	Name of the Course		% of students from the same state	% of students from other States	% of students from abroad
2010-15	IM	GM	100	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? NET: **12**

29. Student progression : 2014-15

Student progression	Against % enrolled
UG to PG	Microbiology- 65.3, Ind. Micro. 38.7
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
<b>Employed</b>	
• Campus selection	3 (No.)
• Other than campus recruitment	6 (No.)
Entrepreneurship/Self-employment	2 (No.)



30. Details of Infrastructural facilities

- a) Library: **Departmental Library (Books 500)**
- b) Internet facilities for Staff & Students: **Available**
- c) Class rooms with ICT facility : **No**
- d) Laboratories: Available **(02)**

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

Name of Scholarship	No of Students
Merit Scholarship	<b>1</b>
Dakshina Fellowship	<b>-</b>
Students Aid Fund	<b>-</b>
Government of India	<b>13</b>

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

**List of Guest Lectures Organized by Department of Microbiology**

Sr.	Name of lecturer	Designation	Topic	Year
1	Dr. K. Aruna	H.O.D Willson College, Mumbai	Transgenic Animals	2010-2011
2	Dr. Jai Ghosh	Shivaji University, Kolhapur	Q.C in Industry	2010-2011
3	Dr. Milisha Desai	Shivaji University Kolhapur	Environmental Impact Assessment	2010-2011
4	Shr Rajiv Diwan	Manager in Pharma	Personality Development	2010-2011
5	M.B. Lokhande	Shivaji University Kolhapur	Q.C in Food Industry	2010-2011
6	Dr. A.M. Deshmukh	H.O.D Babasaheb Ambedkar Vidyapeeth Osmanabad	Treatment of E-waste	2011-2012
7	Dr. K. Aruna	Willson college, Mumbai.	Transgenic Animals	2011-2012
8	Dr. K.D.Sonawane	H.O.D. Dept. of Micro.Shivaji university	Bioinformatics	2011-2012
9	Mrs. Deepa Vichre	LLM Law college Kolhapur	Patents, Copyright, Trademark	2011-2012
10	R.L. Devpurkar	Pune University, Pune	Biochemistry of Microbial cell	2011-2012
11	Dr. Mittal Jadhav	NCL Pune	Transgenic Plants	2012-2013
12	Dr. K. Aruna	Willson College, Mumbai	Monoclonal Antibody	2012-2013

13	Shri Amol Sherikar	Ass. Prof. TKC Pharmacy Warananagar	Q.C. with reference to IP, BP, USP	2012-2013
14	Adv. Deepa Vichare	LLM Law college Kolhapur	Patents, Copyright, Trademark	2012-2013
15	Dr. V.A. Bapat	Prof. Department of Biotechnology, Shivaji University	Genetically Modified Plants & Animals	2013-14
16	Dr. Gajanan Rashinkar	Associate Professor in Department of Chemistry, Shivaji University	Career options in Life Science	2014-15

33. Teaching methods adopted to improve student learning

**E- learning techniques, power point presentation, interactive teaching, OHP presentation, charts, Photographs**

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

Institutional Social Responsibility (ISR)	Extension Activities:
Blood Group Camp	Potability Analysis of Drinking Water supplied in various Schools
Visit to Chetana Vikas School of Mentally challenged students to create health awareness	Visit to Maltibai Doshi High School to create health awareness with the help of <i>skits</i> prepared by students
Visit to Home for aged at Bahubali	

35. SWOC analysis of the department and Future plans

<b>Strengths :</b> i) Excellent Results ii) Highly Qualified Staff iii) Adequate Facilities iv) Departmental Library v) Research activities by Staff & Students	<b>Weakness :</b> i) Insufficient Space
<b>Opportunities:</b> i) To Start PG ii) To start Skill based courses	<b>Challenges</b> Permanent Faculty for Industrial Microbiology

### 36. Future Plans:

- Separate Building for Microbiology and Industrial Microbiology
- To Start PG

## 04 : DEPARTMENT OF BOTANY

1. Name of the department: **Department of Botany**
2. Year of Establishment: **1929**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): **B.Sc, M. Phil, Ph.D.**
4. Names of Interdisciplinary courses and the departments/units involved: **Nil**
5. Annual/semester/choice based credit system (programme wise): **Semester**
6. Participation of the department in the courses offered by other departments: **Nil**
7. Courses in collaboration with the universities, industries, foreign institutions etc.: **Nil**
8. Details of courses/programmes discontinued (if any)with reasons: **Nil**
9. Number of Teaching posts:

	Sanctioned	Filled
Professor	-	-
Associate Professors		1 (CAS)
Assistant Professors	04	01

10. 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. Ms.S.V Toro	M.Sc. M.Phil, Ph.D.	Associate Professor	Plant Physiology, Ecology	27 Yrs	2
Dr Ms A.R. Patil	M.Sc. Ph.D.	Assistant Professor	Mycology	19 Yrs	2

11. List of senior visiting faculty:  
**NIL**
12. Percentage of lectures delivered and practical classes handled (programme wise)  
By temporary faculty:

Year	Percentage	
2014-15	Lectures	Practical
B.Sc Part I	20	78
B.Sc Part II	16	78
B.Sc Part III	17	60

13. Student-Teacher Ratio (programme wise): **2014-15**

Year	Ratio
B.Sc Part I	93:01
B.Sc Part II	50:01
B.Sc Part III	12:01

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

Staff	Sanctioned	Filled
Laboratory Assistant	02	01
Laboratory Attendant	04	02

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M. Phil. /PG.  
**Two Faculty with Ph.D.**

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

**01: Ongoing project- Awareness programme for Conservation of Water Reservoirs from Hill forts in Kolhapur District - Environment Department, Govt. of Maharashtra (Rs. 300000)**

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

**Completed Projects 6 –Funded by UGC, RGSTC, Environment Department- Govt. of Maharashtra, MoEF- Govt. of India – Rs. -3282940.00**

18. Research Centre/facility recognized by the University:  
**Yes, Laboratory recognized by University for M.Phil. and Ph.D research work .**

19. Publications:

a) Publication per faculty: 08

Total publications of faculty = **16**

Dr. Smt. S. V. Toro (**02**) Dr. Smt. A.R.Patil (**14**)

Number of papers published in peer reviewed journals (National/International) by Faculty and students = **13**

- Number of publications listed in International Database (For Eg:Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc.) = **16**
- Monographs– Nil
- Chapter in Books: 01

Name of Author	Name of Book	Publication Year
Dr. Ms. A.R.Patil	Management of Fungal Plant Pathogens: Current Trends and Progress eds A. Arya and A.E. Perelló	CAB International U.K. (Feb.2010)

- Books Edited – Nil

- Books with ISBN/ISSN numbers with details of publishers

Dr.Ms. A.R.Patil	Management of Fungal Plant Pathogens: Current Trends and Progress eds A. Arya and A.E. Perelló	Reference	CAB International U.K.(Feb.2010)
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- ☐ Citation Index- 21
- ☐ SNIP-
- ☐ SJR-
- ☐ Impact factor- up to 3
- ☐ h-index- up to 3

20. Area of consultancy and Income generated through microphotography: Nil

21. Faculty as members in

- a) National committees: **Nil**
- b) International Committees: **Nil**
- c) Editorial Boards: **Nil**

## 22. Students projects:

- a) Percentage of students who have done in-house projects including interdepartmental /programme: 100%
- b)Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories /Industry / other agencies: **4%**

23. Awards/Recognitions received by faculty and students:

### Faculty –

Dr. S. V. Toro: Permanent recognition for M. Phil & Ph. D. by Shivaji University, Kolhapur.  
Dr. A. R. Patil: Rashtriya Gaurav Puraskar  
Permanent recognition for M. Phil & Ph. D. by Shivaji University, Kolhapur

### Students –

Miss. Aishwarya Chavan: Tare Memorial Prize in Botany, Shivaji University, Kolhapur  
Mr. Makarand Samant: G. V. Joshi Memorial Essay Competition Award, Shivaji University, Kolhapur  
Ms. Varsharani Desai: Wiekifield Malhotra Scholarship

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

Prof. B. A. Karadge	Prof. P. D. Chavan	Prof. L. J. Bhosale,
Prof. S. R. Yadav	Prof. G. R. Hegade	Dr. V. S. Ghate,
Dr. Maninda Rupasinghe	Dr. R.S. Nadkarni	Mrs. K. K. Kapase
Shashikant Patil	Dr. Harish Nangare,	Dr. R.V.Gurav
Dr. N. S. Chavan,	Mr. Amol Kulavmode	
Mr. Sandeep R.Patil,		

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

a) National

Sr. No.	Title	Conference / Workshops	Funding Agency	Duration	Funds allocated
1	NEAC 2010-11 Workshop on Biodiversity Conservation Awareness Programme For School Children From Ajara , Kolhapur District	Workshop	MoEFCC, Govt. of India	Jan 2011	10000
2	“Teaching Learning Biology”	Workshop	Shivaji University	Dec.2012	8,000
3	Call for Green Ideas Awareness Programme on Conservation and Utilization of Wild and Edible Medicinal Plants, Vegetable and Natural Colour Resources from Kolhapur District	Workshops	Environment Department, Govt. of Maharashtra	Nov. 2012	500000
4	UGC sponsored National Conference on ‘Sacred groves as a repository for ethnomedicinal plants’	Conference	UGC, New Delhi	1 <sup>st</sup> & 2 <sup>nd</sup> Feb. 2013	1,50,000
5	NEAC 2013-2014 Awareness Programme for conservation of some Sacred Groves from Kolhapur District” Kolhapur District	Workshop	MoEFCC, Govt. of India	Feb. 2014	15000

9	NEAC 2014-15 Awareness Programme for Conservation of Natural Water Reservoirs from Panhala Fort	Workshop	MoEFC, Govt. of India	Feb. 2015	14000
10	Call for Green Ideas Awareness programme for Conservation of Water Reservoirs from Hill forts in Kolhapur District	Workshop	Environment Department, Govt. of Maharashtra	Feb.2015	300000

b)International :Nil

26. Student profile programme/course wise: 2014-15

Name of the Course/programme(refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. I	600	186	64	122	94.35
B.Sc. II	100	99	40	59	98.75
B.Sc. III	27	26	11	15	92.2

\*M=Male \*F=Female

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. (Botany)	100	---	---
Ph. D.	80	20	---

28. How many students have cleared national and state competitive examinations such as NET,SLET,GATE,Civil services, Defense services, etc.: **03**

Ms. Girija Desai, Dy. Conservator of Forests  
Ms. Pooja Sardesai, Maharashtra Pollution Control Board  
Ms. Apurva Kamble, Qualified NET in Life Sciences

29. Student progression

Student Progression	Year	Against % enrolled
UG to PG	2014-2015	37
PG to M.Phil.	---	---
PG to Ph.D.	---	---
Ph.D. to Post-Doctoral	---	---
<b>Employed</b> •Campus selection •Other than campus recruitment	- -	- - -
Entrepreneurship/Self-employment	2010-15	2 % -

30. Details of Infrastructural facilities

a) Library:

Departmental library includes 400 books and Journals **02**

b) Internet facilities for Staff & Students: **Yes**

c) Class rooms with ICT facility: Available

d) Laboratories: 04

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

Name of Scholarship	No of Students
Merit Scholarship	-
Dakshina Fellowship	-
Students Aid Fund	<b>02</b>
Government of India	<b>06</b>

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

- Horticultural workshops - Nursery Techniques

33. Teaching methods adopted to improve student learning

- 1. Power Point Presentation**
- 2. Use of models, charts, exhibition of plant specimen and study tours.**

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

- 1. Organizing exhibition for high school students.**
- 2. Conducting workshop for high school student from rural areas regarding environmental issues**
- 3. Participation in rally's conducted by the institutions.**

35. SWOC analysis of the department and Future plans

**A) Strengths**

1. Received laboratory recognition by University for M. Phil and Ph. D research work
2. Green House.
3. Museum.
4. Herbarium

**B) Weakness:**

- Un-availability of skilled garden labourers

**C) Opportunity:-**

- To start PG course
- Diversification in research activity

**D) Challenges**

- Digitization of Herbarium
- Carbon Audit and Green Audit

**D) Future plan**

1. To start PG course
2. To conduct COC courses
2. To establish and maintain botanical garden.
3. To establish separate space for museum and herbarium.



## 05 : DEPARTMENT OF MATHEMATICS

1. Name of the department – Department of **MATHEMATICS**
2. Year of Establishment - **1922**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) – **Under Graduate**
4. Names of Interdisciplinary courses and the departments/units involved - **NIL**
5. Annual/ semester/choice based credit system (programme wise) - **Semester**
6. Participation of the department in the courses offered by other departments - **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.-**NIL**
8. Details of courses/programmes discontinued (if any) with reasons - **NIL**
9. Number of Teaching posts -

	<b>Sanctioned</b>	<b>Filled</b>
Professors	-	-
Associate Professors	-	-
Asst. Professors	02	01 + 01 (Contract)

10. 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. Morye Sanjay Anant	M.Sc. M.Phil. Ph. D.	Assistant Professor	Wavelet Analysis, Automata Theory, Fuzzy Algebra	17 yrs.	Nil
Smt. Patil Archana Sadashiv	M.Sc. M.Phil.	Assistant Professor (Contract)	Algebra Relativity	12 yrs.	Nil

11. List of senior visiting faculty –  
**Shri. S. J. Kalgaonkar, Shri. U. C. Avate**
12. Percentage of lectures delivered and practical classes handled (Programme wise) by temporary faculty –

Class	Theory	Practical
B.Sc I	60	100
B.Sc II	50	50
B.Sc III	75	100

13. Student -Teacher Ratio (Programme wise) – **2014-15**  
**Mathematics – Total No of students – 486 and Total No of Staff – 01 + 01(Contract) + 04(CHB)**

Class	Ratio
B.Sc I	235:1
B.Sc II	187:1
B.Sc III	64:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled –  
**sanctioned – 02 filled – 02 (Lab Assistant- 1 + Lab Attendant – 1)**
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.  
**Ph.D- 01, PG- 01**
16. Number of faculty with ongoing projects from a) National 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:
- ☐ a) Publication per faculty – 05

Sr. No.	Authors	Title	Journal details (name/volume/ year/page No.)	Impact Factor	Citation	Year
1	S. R. Chaudhari and S. A. Morye	“Mealy–type Finite State Machines: A Fuzzy Approach.”	International J. of Math. Sci. & Engg. Appls. (IJMSEA)	ISSN 0973-9424 (Impact Factor – 0.2172)	02	2010-2011
2	S. R. Chaudhari and S. A. Morye	“Results on Mealy–Type Fuzzy Machines.”	International Journal of Computational Science & Mathematics	ISSN 0974-3189	00	2010-2011

3	S. A. Morye and Chaudhari S. R.	"On Properties of fuzzy Mealy Machines."	International Journal of Computer Application	ISSN 0975 8887 (Impact Factor – 0.821)	03	2012-2013
4	Morye S. A. Chaudhari S. R. and Dhure S. S.	"Lattice Theoretical Aspects of Fuzzy Mealy Machine"	Annals of fuzzy Mathematics and informatics	ISSN : 2093-9310 (Impact Factor – 1.1147)	01	2013-2014
5	Morye S. A. and Chaudhari S. R.	"On Output Fuzzy Subsystems of Fuzzy Moore Machines."	Journal of Mathematical and Computational Science	ISSN :1927-5307 (Impact Factor – 0.289)	00	2014-2015

- ☐ Number of papers published in peer reviewed journals (national / international) by faculty and students –
- ☐ Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) - 05
  - ☐ Monographs - **NIL**
  - ☐ Chapter in Books - **NIL**
  - ☐ Books Edited - **NIL**
  - ☐ Books with ISBN/ISSN numbers with details of publishers - **NIL**
  - ☐ Citation Index : - 07
  - ☐ SNIP - **NIL**
  - ☐ SJR - **NIL**
  - ☐ Impact factor : 0 to 1.1147
  - ☐ h-index - 02
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/Programme – **All the last years students of Mathematics did their project as the part of practical curriculum.**
  - b) Percentage 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

***Dr. S. A. Morye – Life Member of Indian Mathematical Society.***

Sr. No.	Name of Students	Class	Prize Won	Awarding Authority
<b>Curricular Activities</b>				
1.	Mr. Nine Dhiraj Shivprasad	B.Sc. III (2014-15)	1 <sup>st</sup> in Seminar Competition	Department of Mathematics Shivaji University, Kolhapur
<b>Cocurricular Activities</b>				
1.	Miss. Kore Snehal Shivaji	B.Sc.I (2012-13)	Topper of the topper in written Test Competition	28 <sup>th</sup> Annual Conference of SUMS, Kolhapur
2	Miss. Kadam Snehal Vijay	B.Sc.II (2012-13)	Topper of Kolhapur District in written Test Competition	28 <sup>th</sup> Annual Conference of SUMS, Kolhapur
3	Miss. Kore Snehal Shivaji	B.Sc.I (2012-13)	Second rank in Quiz Competition	28 <sup>th</sup> Annual Conference of SUMS, Kolhapur
4	Miss. Kadam Snehal Vijay	B.Sc.II (2012-13)	Second rank in Quiz Competition	28 <sup>th</sup> Annual Conference of SUMS, Kolhapur

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

1) Dr. Shrikant R. Chaudhari 2) Dr. H. V. Kumbhojkar

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

a) National – **NIL**

b) International - **NIL**

26. Student profile Programme/course wise: **2014-15**

Name of the Course/Programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. I	1137	235	75	160	72.34
B.Sc. II	196	187	65	122	81.28
B.Sc. III	95	64	14	50	96.88

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. Mathematics	100	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? **02**

29. Student progression **2014-15**

Student progression	Against % enrolled
UG to PG	Mathematics - 54.7
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
<b>Employed</b>	
• Campus selection	102 (Numbers )
• Other than campus recruitment	75 (Numbers )
Entrepreneurship/Self-employment	150 (Numbers )

30. Details of Infrastructural facilities

- Library – **There is departmental library facility. In all 102 books for Library were collected from past students and some were donated by Teachers.**
- Internet facilities for Staff & Students – **Yes, department has internet facility.**
- Class rooms with ICT facility - **Available**
- Laboratories – **Department is equipped with Computer laboratory with 11 computers and one 5 KV online UPS (4 hour back up).**

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

Name of Scholarship	No of Students
Merit Scholarship	<b>01</b>
Dakshina Fellowship	<b>02</b>
Students Aid Fund	<b>00</b>
Government of India	<b>02</b>

32. Details on student enrichment Programmes (special lectures / workshops / Seminar) with external experts –

- Workshop on Mathematical Softwares 17-20 December 2010 funded by Shivaji University, Kolhapur for college Teachers.
- Workshop on Matlab Softwares 29-30 September 2011 funded by Shivaji University, Kolhapur under Lead College activity for B.Sc. - III Mathematics student..

33. Teaching methods adopted to improve student learning:- **Seminars by students, Group discussion, Power point presentation, Educational Videos.**
34. Participation in Institutional Social Responsibility (ISR) and Extension activities –
  - 1) B.Sc. III Mathematics students conducted counseling of Mathematics to Primary school students of Kaikade Scholl, Jawahar Nagar, Kolhapur (2011-12)
  - 2) Participation in Voters rally (2012-13)
35. **SWOC** analysis of the department and Future plans
  - 1) Strengths :
    - i) Highly qualified Staff
    - ii) Well Equipped Laboratory
  - 2) Weakness :
    - i) Insufficient space
  - 3) Opportunities:
    - i) To start PG Courser (M.Sc.) in Mathematics
    - ii) Increase Research Activity
  - 4) Challenges:
    - i) To train the students with high intelligence so as to make them eligible for direct involvement in projects of national and international importance.
36. Future Plans:
  - To start PG Courser (M.Sc.) in Mathematics
  - Separate Building for Department.
  - To conduct workshop for Primary level student for awareness of Mathematics
  - To arrange work shop on “Computational Mathematics” for domestics student
  - Research Work through Projects from the students.

## 06: DEPARTMENTS OF ZOOLOGY

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

1. Name of the department - **Departments of Zoology**
2. Year of Establishment - **1930**
3. Names of Programmes /Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D.,etc.) – **UG**
4. Names of Interdisciplinary courses and the departments/ units involved.  
**None**
5. Annual/ semester/choice based credit .system (programme wise)  
**Semester system for B.Sc.I, B.Sc.II, B.Sc.III Zoology**
6. Participation of the department in the courses offered by other departments  
**None**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.  
**None**
8. Details of courses/programmes discontinued (if any) with reasons  
**None**
9. Number of Teaching posts:

	<b>Sanctioned</b>	<b>Filled</b>
Associate Professors	NIL	NIL
Asst. Professors	5	1

10. 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 far the last 4 years
Dr. Surwase S.S.	M.Sc.,B.Ed., Ph.D.	Assistant Professor	Fishery	5 years	Nil
Dr A K Chougale	M.Sc.,Ph.D.	Assistant Professor	Antomology	11 years	Nil
Dr.Deshmukh P.S.	M.Sc.,Ph.D.	Assistant Profssor	Endocrono-logy	5 years	Nil

11. List of senior visiting faculty :  
**None**

12. Percentage of lectures delivered and practical classes hand led (program me wise) by temporary faculty

CHB (Theory)	CHB (Practical)
B.Sc.-I = 80%	B.Sc.-I = 88%
B.Sc.-II = 66%	B.Sc.-II = 91.66%
B.Sc. - III = 83.33%	B.Sc. - III = 90 %

13. Student -Teacher Ratio (programme wise)

B.Sc.-I = 188:1
B.Sc.-II = 122:1
B.Sc.-III = 29:1

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

Sr.No.	Staff	Sanctioned	Filled
1	Laboratory Assistant	1	1
2	Laboratory Attendant	4	2

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.  
**One Faculty -Ph.D.**

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

17. Departmental projects funded by DST - FIST; UGC, DBT, 1CSSR, etc. and total grants received.  
**Nil**

18. Research Centre /facilitv recognized by the University  
**Nil**

19. Publications:

a) Publication per faculty: **11**

- \* Number of papers published in peer reviewed journals (national/ international) by faculty and students- **04**
- \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): **04**
- \* Monographs: Nil
- \* Chapter in Books: 05
- \* Books Edited: Nil
- \* Books with ISBN/ISSN numbers with details of publishers: Nil
- \* Citation Index Nil



- \* SNIP
  - \* SJR
  - \* Impact factor
  - \* h-index
20. Areas of consultancy and income generated: **None**
21. Faculty as members in
- a) National committees b) International Committees
  - c) Editorial Boards....
- One Faculty on Editorial Boards**
22. Student projects:
- a) Percentage of students who have done in-house projects including inter departmental / programme: **50%**
  - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies. **50%**
23. Awards / Recognitions received by faculty and students:
- None**
24. List of eminent academicians and scientists / visitors to the department:
- Dr. Pandurang, Dr. Maninda Rupshinge, Dr. Vilas Padhye,  
 Dr. Devdar, Dr. R.M. Kamble, Dr. V.J.Kulkarni  
 Dr. A.K. Chougale,
25. Seminars/ Conferences/Workshops organized & the source of funding
- a) National : None
  - b) International : None
26. Student profile programme/course wise: **2014-15**

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc Part I	250	188	49	139	95
B.Sc Part II	200	122	27	95	90
B.Sc Part III	55	26	2	24	100

\*M = Male \*F = Female

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.-I	90%	10%	0%
B.Sc.-II	95%	5%	0%
B.Sc.-III	100%	0%	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services. Defense services, etc.? : **None**

29. Student progression

Student progression	Against % enrolled
UG to PG	23
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
<b>Employed</b>	
- Campus selection	11.53
- Other than campus recruitment	-
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities

- a) Library : YES (Departmental Library, Books-220)
- b) Internet facilities for Staff & Students : Available
- c) Class rooms with ICT facility : Available
- d) Laboratories : 03

31. Number of students receiving financial assistance from college, university, government or other agencies.2014-15

Name of Scholarship	No of Students
Merit Scholarship	
Dakshina Fellowship	
Students Aid Fund	<b>3</b>
Government of India	<b>7</b>

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

Nil

33. Teaching methods adopted to improve student learning: Interactive teaching

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

**Six articles on 'Wild Life Week' published in the Daily Sakal (2013).**

35. SWOC analysis of the department and Future plans.

### **Strength**

- Excellent Results
- Adequate Infrastructure
- An old Zoology Museum with Collection of Extant samples of Animal Skeletons.
- Vermi compost unit

### **Weakness**

- Inadequate Faculty and Staff

### **Opportunities**

- To start P.G
- To start Skill Development courses
- Recognition of Laboratory for Research activity by University
- Up gradation of infrastructure

### **Challenges:**

- To make the knowledge of Zoology viable for Research socially useful.

### **Future Plans**

- To introduce Master Degree programme in Zoological Science.
- To conduct Seminars, Symposium and Conferences in Zoology Department.
- To conduct Professional Training and Research Programmes in Zoology.

## 07 DEPARTMENTS OF STATISTICS

1. Name of the department – Department of **STATISTICS**
2. Year of Establishment - **1962**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) – **U. G.**
4. Names of Interdisciplinary courses and the departments/units involved - **NIL**
5. Annual/ semester/choice based credit system (programme wise) - **Semester**
6. Participation of the department in the courses offered by other departments - **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.-**NIL**
8. Details of courses/programmes discontinued (if any) with reasons - **NIL**
9. Number of Teaching posts -**S**

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	01	01

10. 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. Bedare Nilima S.	M.Sc. Ph. D.	Assistant Professor	Data Analysis	29yrs.	Nil

- 11.. List of senior visiting faculty – **Smt A. A. Phadnis.**

12. Percentage of lectures delivered and practical classes handled (Programme wise) by temporary faculty –

Class	Theory	Practical
<b>B.Sc I</b>	<b>60</b>	<b>100</b>
<b>B.Sc II</b>	<b>50</b>	<b>80</b>
<b>B.Sc III</b>	<b>75</b>	<b>80</b>

13. Student -Teacher Ratio (Programme wise) – 2014-15  
**Statistics – Total No of students – 234 and Total No of Staff – 01+ 05(CHB)**

Class	Ratio
<b>B.Sc I</b>	<b>160:1</b>
<b>B.Sc II</b>	<b>62:1</b>
<b>B.Sc III</b>	<b>12:1</b>

- 14.. Number of academic support staff (technical) and administrative staff; sanctioned and filled – **sanctioned – 02 filled – 02 (Lab Assistant- 1 + Lab Attendant –1)**

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

**Ph.D- 01, PG- 00**

16. Number of faculty with ongoing projects from a) National 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:

- ☐ a) Publication per faculty – **NIL**
- ☐ Number of papers published in peer reviewed journals (national / international) by faculty and students –
  - ☐ Number of publications listed in International Database (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 : - **NIL**
  - ☐ SNIP - **NIL**
  - ☐ SJR - **NIL**
  - ☐ Impact factor : **NIL**
  - ☐ h-index - **NIL**
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/Programme – **Some of the last year's students did their project voluntarily.**
  - b) Percentage 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  
**Dr. D. T. Shirke, Professor, Department of Statistics, Shivaji University, Kolhapur**
25. Seminars/ Conferences/Workshops organized & the source of funding
- a) National – **NIL**
  - b) International – **NIL**
26. Student profile Programme/course wise: **2014-15**

Name of the Course/Programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. I	355	160	38	122	62.58
B.Sc. II	62	62	22	43	84.20
B.Sc. III	12	12	7	5	83.33

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. Statistics	100	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? **Not Applicable**

29. Student progression 2014-15

Student progression	Against % enrolled
UG to PG	Statistics – 45.7
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
<b>Employed</b>	
• Campus selection	NIL
• Other than campus recruitment	20 (Number)
Entrepreneurship/Self-employment	NIL

30. Details of Infrastructural facilities

- Library - **Departmental Library is available.**
- Internet facilities for Staff & Students – **Yes, department has internet facility.**
- Class rooms with ICT facility - **Available**
- Laboratories – **Department is equipped with Computer laboratory with 11 computers and one 5 KV online UPS (4 hour back up).**

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

Name of Scholarship	No of Students
Merit Scholarship	<b>01</b>
Dakshina Fellowship	<b>00</b>
Students Aid Fund	<b>00</b>
Government of India	<b>01</b>

32. Details on student enrichment Programmes (special lectures / workshops / seminar) with external experts – **NIL**

33. Teaching methods adopted to improve student learning:- **Seminars by students, Group discussion, Power point presentation.**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities – Voters rally

35. **SWOC** analysis of the department and Future plans

1) Strengths:

- i) Well Equipped Laboratory

2) Weakness:

- i) Insufficient space

3) Opportunities:

- To start data analysis center.

4) Challenges:

- To start add-on professional course related to data analysis.

Future Plans:

- Separate Building for Statistics departments.
- To start data analysis center.
- Research Work through Projects from the students.



## 08 : DEPARTMENT OF ELECTRONICS

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding there petition of the data.

1. Name of the department : Department of **ELECTRONICS**
2. Year of Establishment **1992**
3. Names of Programmes/Courses offered (UG,PG,M.Phil.,Ph.D., Integrated Masters; IntegratedPh.D.,etc.)**B.Sc. ELECTRONICS**
4. Names of Interdisciplinary courses and the departments/units involved **NIL**
5. Annual/semester/choice based credit system (Programmewise)**SEMESTER**
6. Participationofthedeartmentinthecoursesofferedbyotherdepartments**NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. **NIL**
8. Details of courses/programmes discontinued(If any)with reasons
9. Number of Teaching posts

	Sanctioned	Filled
Professors	<b>00</b>	<b>00</b>
Associate Professors	<b>00</b>	<b>00</b>
Asst.Professors	<b>02</b>	<b>01</b>

10. Facultyprofilewithname,qualification,designation,specialization,(D.Sc./D.Litt.  
/Ph.D./M.Phil.etc.,)

Name	Qualifi- cation	Designation	Specialization	No.of Years of Experience	No.of Ph.D. Students Guided for the last4years
<b>Dr.Pankaj Udhavrao Lande</b>	<b>M.Sc. Ph.D. SET</b>	<b>Assistant Professor</b>	<b>VLSI Signal Processing</b>	<b>08</b>	<b>NIL</b>

11. List of senior visiting faculty **NIL**
12. Percentage of lectures delivered and practical classes handled (programmewise)  
By temporary faculty

- Quality Education...*  
*For Personality...*  
*For Nationality...*

22. Student projects
- Percentage of students who have done in-house projects including inter departmental/programme **100% (TYBSC)**
  - Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies
23. Awards/Recognitions received by faculty and students **NO**
24. List of eminent academicians and scientists/visitors to the department : **NIL**
25. Seminars/Conferences/Workshops organized & the source of funding a)
- National **NIL**
  - International **NIL**
26. Student profile programme/coursewise (2014-15):

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. I	120	60	15	35	94.30
B.Sc. II	35	35	10	25	100
B.Sc. III	20	20	08	12	100

\*M=Male \*F=Female

27. Diversity of Students

Name of the Course	%of students from the same state	% of students from other States	%of students from abroad
BSc III	95.0	5.0	00

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

Student progression	Against % enrolled
UG to PG	80.0
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	

<b>Employed</b> • Campus selection • Other than campus recruitment	15.0
Entrepreneurship/Self-employment	2.0

30. Details of Infrastructural facilities a) Library :

**Departmental library with 25 reference books**

b) Internet facilities for Staff & Students **Available**

c) Class rooms with ICT facility **LCD PROJECTOR**

d) Laboratories **01**

31. Number of students receiving financial assistance from college, university,

Government or other agencies **NIL**

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

**"One Day Workshop on Revised Syllabus of B.Sc. III "**

33. Teaching methods adopted to improve student learning

**Animated Power Point Presentation**

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

35. SWOC analysis of the department and Future plans

**Strength**

- Excellent Results
- Well equipped Laboratory

**Weakness**

- No separate departmental building

**Opportunity**

- PG recognition for Research
- Skilled based COC courses

**Challenges**

- Incubation centre for industries

**Future plans**

- To start PG course
- To develop laboratory for research work
- To organize national conference

## 09: DEPARTMENT OF GEOLOGY

1. Name of the department : **Department of Geology**
2. Year of Establishment : **1970**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated  
**Under Graduate**
4. Names of Interdisciplinary courses and the departments/units involved:  
A paper in **Geomorphology** is taught by the Departments of Geology and Geography with a common syllabus.
5. Annual/ semester/choice based credit system (programme wise) :  
**Semester pattern for B.Sc I, II and III**
6. Participation of the department in the courses offered by other departments: **Nil**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts:

	<b>Sanctioned</b>	<b>Filled</b>
Professors	-	-
Associate Professors	-	-
Asst. Professors	4	1

10. 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
Mr. M. R. Namdas*	M.Sc	Associate Professor	Geology	30	Nil
Sanjay Vijaykumar Pathare	M.Sc ( SET )	Assistant Professor and Head	Geology	20	Nil

\*Retired in December 2013

11. List of senior visiting faculty: **Nil**
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty ( 2014-15 )

<b>Programme / Courses</b>	<b>Percentage</b>
<b>F.Y.B.Sc.</b>	<b>39.3</b>
<b>S.Y.B.Sc.</b>	<b>85.7</b>
<b>T.Y.B.Sc.</b>	<b>54.5</b>

13. Student -Teacher Ratio (programme wise) 1+ 4 CHB  
Total Students of dept. 302 ( 2014-15)

<b>Programme / Courses</b>	<b>Student- Teacher Ratio</b>
<b>F.Y.B.Sc.</b>	<b>169:5</b>
<b>S.Y.B.Sc.</b>	<b>103:5</b>
<b>T.Y.B.Sc.</b>	<b>30:5</b>

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled-  
**1(lab Assistant) +1( Lab Attendent)**
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.  
**: P.G**
16. Number of faculty with ongoing projects from a) National 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:  
\*a) Publication per faculty: **02**

\*Number of papers published in peer reviewed journals (national international) by faculty and students : **02**

\*Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): **02**

\*Monographs-

\*Chapter in Books-

\**Books Edited*

\*Books with ISBN/ISSN numbers with details of publishers: **01**

**ISBN 978-93-84093-29-7, Atharva Publication, Dhule**

\*Citation Index- **02**

\*SNIP-

\*SJR-

\*Impact factor-

\*h-index-**02**

20. Areas of consultancy and income generated : **Nil**

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards.... : **Nil**

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme : **Nil**

b) Percentage 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:

i) **Prof D.B. Yedekar**, Ex- Vice Chancellor SRTM University Nanded, Ex-MPSC Chairman

ii) **Prof. Dr. Maninda Rupasinghe**, Vice Chancellor, Sabaragamuwa University of Sri Lanka

iii) **Prof. D.B. Panaskar** BCUD Director SRTM University, Nanded

iv) **Dr. Anilraj Jagdale**, President, Bharatiya Jalsanskriti Mandal, Kolhapur on topic "Jaal Shaksharta Abhiyaan"

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

**University level one day Workshop on New Syllabus B.Sc III, funded by University ( 10 August 2014 )**

26. Student profile programme/course wise: 2014-15

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc I	169	169	93	76	92.22
B.Sc II	103	103	52	51	91.30
B.Sc III	41	30	24	6	98.34

27. Diversity of Students : 100% from the state

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc.-III	100%	0%	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. **01**

29. Student progression :

Student progression	Against % enrolled
UG to PG	24
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
<b>Employed</b>	
- Campus selection	-
- Other than campus recruitment	-
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities a) Library : **Departmental Library (100 books)**

b) Internet facilities for Staff & Students : **Available**

c) Class rooms with ICT facility : **Available**



d) Laboratories : **01**

31. Number of students receiving financial assistance from college, university, government or other agencies: 2014-15

Name of Scholarship	No of Students
Merit Scholarship	00
Dakshina Fellowship	00
Students Aid Fund	00
Government of India	08

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

**Nil**

33. Teaching methods adopted to improve student learning :

**E learning, Documentary Film Show, Power Point Presentations, Models**

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

Institutional Social Responsibility (ISR)	Extension Activities:
Visit to Chetana Vikas School of Mentally challenged students to create health awareness	-
Visit to Old Age Home at Bahubali	-

35. **SWOC analysis of the department and Future plans :**

<b>Strengths:</b> i) Excellent Results ii) Departmental Library iii) Geological Museum	<b>Weakness:</b> i) Inadequate Faculty and Staff
<b>Opportunities:</b> i) To Start PG ii) To start Skill based courses iii) Possibility of linkages with reputed institutions iv) Possibility of offering Consultancy	<b>Challenges:</b> i) Designing of new software in Geology for local needs ii) Development of Rock Garden

Future Plans:

- To Recognize Geology Laboratory for Research activity by University.
- To Start PG and Skill based courses.

## 10 : DEPARTMENT OF GEOGRAPHY

1. Name of the department : **Department of Geography**
2. Year of Establishment : **1972**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **B.A., M.Phil, and Ph.D.**
4. Names of Interdisciplinary courses and the Departments/units involved : A course in *Public Administration* is studied by B.A Part II students as an IDS
5. Annual/ semester/choice based credit system (programme wise) : **B.A.I, II and III-Semester pattern for theory and annual pattern for Practicals**
6. Participation of the department in the Courses offered by other departments : A paper in **Geomorphology** is taught by the Departments of Geography and Geology with a common syllabus.
7. Courses in collaboration with other Universities, industries, foreign Institutions, etc. : **Nil**
8. Details of courses/programmes Discontinued (if any) with reasons : **Nil**

9. Number of Teaching posts :

Teaching Faculty	Sanctioned	Filled
Professors	00	00
Associate Professors	00	01 (CAS)
Asst. Professors	02	01

10. 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. K. A. Mali	M.A,Ph.D , SET	Associate Professor	Economic Geography and Cultural Geography	25 Years	08
Dr. R. V. Hajare (Till 31/07/2015)	MA, Ph.D	Asst. Professor	Agriculture Geography	18 Years	07

11. List of senior visiting faculty : Nil

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

Programme / Courses	Percentage
B.A. - I	-
B.A. - II	50.00
B.A. -III	07.00

13. Student -Teacher Ratio (programme wise):

Programme / Courses	Student- Teacher Ratio
B.A. - I	203:01
B.A. - II	37:01
B.A. -III	10:01

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : 01 (retired in 2013)

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D/ M.Phil/PG. : Two Faculty with Ph.D.

16. Number of faculty with ongoing projects from  
a) National b) International funding agencies  
and grants received : 01  
: Rs. 10,61,300/-)

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

18. Research Centre /facility recognized by the University : Research Laboratory  
Recognized by Shivaji  
University.

19. Publications:

\* Publication per faculty: 11

\*Number of research papers published in peer reviewed journals (national / International) by faculty and students

Sr.No	Name of Faculty	Research Papers Published in Journal	
		International	National
1	Dr. K.A Mali	03	10
2	Dr R.V. Hajare	02	07

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

\* Chapter in Books : Yes

Sr. No	Authors	Title	Type of Book & Authorship	Publisher & ISSN/ISBN No.
1	Dr. K.A.Mali	1. Recourse Geography of Maharashtra 2. Commercial Geography	1. Text Book for B.A.II (Two units) 2. Text Book for B.Com-I (One unit)	1. Shivaji University, Kolhapur ISBN: 978-81-8486-273-7 2. Shivaji University, Kolhapur ISBN:978-81-8486-484-7

Books Edited : **Commercial Geography, Dr. K. A. Mali (Co-Editor), published by Shivaji University, Kolhapur**

\* Books with ISBN/ISSN numbers with details of publishers : As in the table above

\* Citation Index : Nil

\* SNIP : Nil

\* SJR: Nil

\* Impact factor – 0.340 to 3.405

\* h index : Nil

20. Areas of consultancy and income generated : Nil

21. Faculty as members in a) National committees, b) International Committees c) Editorial Board

Name of Faculty	National Committees
Dr. K.A.Mali Dr R. V. Hajare	<ul style="list-style-type: none"> <li>Deccan Geographical Society, Pune</li> <li>Maharashtra Bhoogol Shastra Parishad ,Pune</li> <li>Shivaji Vidyapeeth Bhoogol Shikshak Sangh, Kolhapur</li> </ul>

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: **100%**

(All B.A- III Students have to do a research project as a part of their curriculum)

b) Percentage 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 :

**Awards / Recognitions of Faculty:**

i) **Dr. K.A.Mali**

- Recognised Research Guide for M.Phil and Ph.D, Shivaji University.
- Best Teacher Award* (2013) from Rotary Club of Kolhapur
- Bhoogol Bhushan Award* (2014) from Bhoogol Shikshak Sangh, Shivaji University Honors received from Shivaji University, Kolhapur.
- Member of Management Council (2014)
- Member of Academic Council (2014)
- Member of Science Faculty (2011-15)
- Chairman, BOS in Geography(2013-14)

ii) **Dr. R.V. Hajare**

- Recognized Research Guide for M. Phil and Ph.D, Shivaji University.
- NCC – Officer (2011-14)

**\*Achievements of Student in the Department:**

- Five students obtained University Merit Scholarship in 2010- 2013.
- One students selected for Agnihotri *Best Rajaramian* Award (2013-2014)
- Miss Mane Ashwini Arun recieved *Danyeshwar Mule Excellent Student Award* and *Guruvarya S. T. Date Merit Scholarship* (2013) from Shivaji University.

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

Dr. Ram. Pandurkar (2011), Dr. R. S. Adsul(2011),  
 Dr. B.N. Gopane(2012), Dr. H. S. Vanmore(2012),  
 Dr. S. S. Pahnalkar(2013), Prof. Sagar Mali (2014),  
 Dr. S. K. Pawar (2014).

25. Seminars/ Conferences/Workshops organized: **Nil**

**26. Student profile programme/course wise: Year (2014-2015)**

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.A- I	258	203	168	35	89.5
B.A.- II	164	73	59	14	91.70
B.A.- III	130	19	17	02	100

**27. Diversity of Students: Year (2014-2015)**

Name of the Course	% of students from the same	% of students from other States	% of students from abroad
B.A - III	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. : **10**

**29. Student progression (for year 2014-15)**

Student progression	Against % enrolled
UG to PG	20

**30. Details of Infrastructural facilities**

a) Library

:

**: Departmental Library (Text Books- 50, Reference Books: 75, and Journals- 04**

b) Internet facilities for Staff & Students

**: Available**

- c) Class rooms with ICT facility : **Available**
- d) Laboratories with advanced equipments : 01 Lab having **Computer with GIS Software and GPS**

31. Number of students receiving financial assistance from college, university, government or other agencies (2014-15)

<b>Name of Scholarship</b>	<b>No of Students</b>
Merit Scholarship	<b>Nil</b>
Dakshina Fellowship	<b>Nil</b>
Students Aid Fund	<b>Nil</b>
Government of India	<b>05</b>

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

<b>Sr.</b>	<b>Theme and Date</b>	<b>Resource Person</b>	<b>Name of the Topic</b>
1	Geography Day (14 Jan, 2011)	Dr. Ram Pandurkar, Head, Dept of Geography, Shivaji University , Kolhapur	<i>Global Warming and Environmental Problems</i>
2	Geography Day (14 Jan, 2012)	Dr. R. S. Adsul, Dept of Geography New College, Kolhapur	<i>Importance of the Geography Day</i>
3	Geography Day (14 Jan, 2012)	Dr. B.N. Gopane, Chairman, BOS in Geography, Shivaji University, Kolhapur	<i>Modern trends in Geography</i>
4	Tourism Day (Sept. 2013)	Dr. H. S. Vanmore, Head, Dept of Geography, Shahaji Chh. Mahavidyalya, Kolhapur.	<i>Tourism Development</i>
5	Carrier Guidance Programme	Dr. S. S. Panhalkar , Dept. of Geography, Shivaji University, Kolhapur	<i>Geoinformatics</i>
6	Carrier Guidance Programme	Prof. Sagar Mali Department of Geography, Parvataibai Chougale College, GOA.	<i>GIS, GPS and Remote Sensing: Its Use in Geographical Study</i>
7	Geography Day	Dr. S. K. Pawar, Dept. of Geography, Shivaji University, Kolhapur.	<i>Economic Geography</i>

33. Teaching methods adopted to improve student learning:

**E- learning techniques, power point presentation, interactive teaching.**  
**Use of GIS software**

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

***Dr. K.A Mali has delivered lectures on social issues in NSS camps organized in Rural area by Kamla College, Kolhapur and Rajashri Shahu College, Rukadi***

35. SWOC analysis of the department and Future plans:

<b>Strength:</b> 1. Highly experienced and qualified Faculty well trained in Remote Sensing and GIS 2. Recognized, Well Equipped Research Laboratory 3. Use of ICT in Teaching – Learning process 4. As many as 12 students working on Ph.D theses	<b>Weakness:</b> 1. Space constraint
<b>Opportunities:</b> 1. Possibility of linkages with reputed institutions 2. Possibility of offering Consultancy by using GIS Software 3. PG and other certificate courses to be started	<b>Challenges:</b> 1. Most of the students are coming from Vernacular medium.

**Future plans :**

- 1) To start PG courses
- 2) To start short term value added and skill based certificate courses.
- 3) To organize national level conference.

## 11 : DEPARTMENT OF HOME SCIENCE

1. Name of the department :- **Department of Home Science**
2. Year of Establishment :- **1979 - 80**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :- **UG. Ph.D.**
4. Names of Interdisciplinary courses and the departments/units involved:  
**A course in *History of Social Reformers of Maharashtra* is studied by B.A Part II students as an IDS.**
5. Annual/ semester/choice based credit system (programme wise):- **Semester**
6. Participation of the department in the courses offered by other departments
7. Courses in collaboration with other universities, industries, foreign institutions, etc. :-  
**Dr. R.M. Kamble is actively involved on BOS as a Member of BAMU Aurangabad**
8. Details of courses/programmes discontinued (if any) with reasons
9. Number of Teaching posts

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	<b>01 (CAS)</b>
Asst. Professors	<b>02</b>	-

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sr	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr. R.M. Kamble	M.Sc. Ph.D.	Associate Professor	Food and Nutrition	<b>26</b>	<b>08</b>

11. List of senior visiting faculty :-  
**Ms Ulka Shinde, Dr. Ms Ila Jogi**
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty :

**Theory- B.A. I – 100%, B.A. II – 40%, B.A. III – 20%**

**Practical- B.A. I – 50%, B.A. II – 50%, B.A. III – 50 %**



13. Student -Teacher Ratio (programme wise) :-  
**B.A. I : 58:01,            B.A. II: 19:01            B.A. III : 03:01**
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :- **One – Laboratory Attendant**
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. :- **1 Ph.D.**
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received :- **Nil**
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received :- **UGC. Rs. 10,89,000/- (Yr. 2010 – 2013)**
18. Research Centre /facility recognized by the University :-  
**Research laboratory for Ph.D. work**
19. Publications:
  - a) Publication per faculty- **14**

Number of papers published in peer reviewed journals (national / international) by faculty and students :- **International : 10**  
**National : 04**

  - \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): 10
  - \*Monographs: Nil
  - \*Chapter in Books: Nil
  - \*Books Edited: Nil
  - \*Books with ISBN/ISSN numbers with details of publishers :-  
**02 With ISBN No (978-81-92-17-84-6-2-18 and 978-81-92-17-84-6-2-19)**
  - \*Citation Index: 10
  - \*SNIP: -
  - \*SJR:-
  - \*Impact factor: 2.0 to 3.1
  - \*h-index: 02
20. Areas of consultancy and income generated: **Nil**
21. Faculty as members in
  - a) National committees b) International Committees

c) **Editorial Boards In Asian Journal of Home Science, Karnal, Harayana**

22. Student projects:

- a) Percentage of students who have done in-house projects including inter departmental/programme:- **100%**
- i) (All B.A- III Students have to do a research project as a part of their curriculum)
  - ii) **100% MSc Research Students from SNDT University, Mumbai**
  - iii) **100% Ph.D Research Students**
- b) Percentage 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 :-

- i) **Award of Research Fellow, 2010 by Hind Horticultural Association Muzzaffernagar, U.P.**
- ii) **Recognition as Research Guide by Shivaji University, Kolhapur**
- iii) **Recognition as Research Guide by BAMU, Aurangabad.**

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

- 1. S.G. Walde – Scientist, CFTRI, Mysore**
- 2. Dr. Sayyad Rizwan : Academician, Aurangabad**
- 3. Architect Amar Mestri SIBER , Kolhapur**
- 4. Dr. Ms. Asha Arya M.A.U. Parbhani**
- 5. Dr.Ms. Ila Jogi, Karad**

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

b) International :-

Year	Name of Workshop	Funding
2013-14	Problems of working women their issues and remedies	Shivaji University
2014-15	Modified syllabus of B,A par II, Home Science	Shivaji University

26. Student profile programme/course wise: (2014 -2015)

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
BA I	<b>258</b>	<b>58</b>	<b>37</b>	<b>21</b>	<b>98.1</b>
BA II	<b>164</b>	<b>19</b>	<b>13</b>	<b>06</b>	<b>100.0</b>
BA III	<b>130</b>	<b>03</b>	<b>00</b>	<b>03</b>	<b>-</b>
Ph.D.	<b>01</b>	<b>01</b>	<b>00</b>	<b>01</b>	<b>-</b>

\*M = Male \*F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
BA I	100.0	-	-
BA II	100.0	-	-
BA III	100.0	-	-
Ph.D.	100.0	-	-

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

**Two students working for Ph.D. research work in this department qualified NET/SET Examination**

Name of the Student	NET/SET	Year of Passing
Ms. Anuradha Dube	SET	2010-11
Ms. Shukarani Dhavan	NET	2012-13
Ms Ashwini Kumbhar	SET	2013-14

29. Student progression

Student progression	Against % enrolled
<b>UG to PG</b>	<b>20</b>
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
<b>Employed</b>	-
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship/Self-employment	<b>20</b>

30. Details of Infrastructural facilities a) Library :-

**Departmental Library Having Books and Journals**

b) Internet facilities for Staff & Students :-

**Two Computer with Internet facility**

c) Class rooms with ICT facility: - **Available**

- d) Laboratories: - **Three**
- i) **Food Science & Nutrition**
  - ii) **Textile and Clothing**
  - iii) **Ph.D. Research Laboratory**

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

Name of Scholarship	No of Students
Merit Scholarship	--
Dakshina Fellowship	--
Students Aid Fund	--
Government of India	--

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts :-  
**Inplant Training and Visit at in Food Industry, Gokul Dairy, Bakery, Textile Park, Garment Industries, DKTE, Ice Cream Industry, Nursery School and District Consumer Court.**
33. Teaching methods adopted to improve student learning :- **OHP, PPT, Field visits to Industries, Interview with women entrepreneurs**
34. Participation in Institutional Social Responsibility (ISR) and Extension activities :  
**i) Documentary film (on Age Well Programme)**  
**ii) Published Booklets**  
**iii) Published Popular Articles in Newspaper- 07**  
**iv) Conducted poster exhibitions- a) Jago Grahak Jago, b) From Diet to Health**  
**v) Visit to Old age Home**
35. SWOC analysis of the department and Future plans

**Strengths :-**

1. Excellence in research.
2. Excellent Results
3. Well Equipped Laboratories
4. Laboratory Recognition by University for Ph.D Research

**Weakness :-**

1. No. separate building for the dept. but the construction of bulding is under process
2. Inadequate Faculty and Staff Members

**Opportunities:**

1. **PG course, Skill Development Programm**
2. **ICT based upgradation of Teaching and Learning**
3. **Diet Counselling Centre**
4. **Linkages and Collaboration with Food and Textile-Garment Industries**

**Challenges:**

Consultancies in Innovative Foods, Fashion Designing and Interior Decoration  
Nursery School

**Future Plans :-**

1. To start Post graduate course
2. To start skill developmental programmes
3. To start B.Sc in Home Science
4. To organization of National level Conference

## 12 : DEPARTMENT OF ENGLISH

1. Name of the department: **Department of English**
2. Year of Establishment: **1880**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): **U.G.**
4. Names of Interdisciplinary courses and the departments/units involved: **Nil**
5. Annual/ semester/choice based credit system (programme wise): **Semester**
6. Participation of the department in the courses offered by other departments: **Nil**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons: **Nil**
9. Number of Teaching posts

	<b>Sanctioned</b>	<b>Filled</b>
Professors	Nil	Nil
Associate Professors	Nil	Nil
Asst. Professors	03	02

10. 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. R. A. Kadakane	M.A., SET, M.Phil., Ph.D.	Assistant Professor	Linguistics	14	Nil
S.G. Gaikawad	M.A., NET	Assistant Professor	Linguistics	11	Nil

11. List of senior visiting faculty: **Nil**
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **33%**
- 13.. Student -Teacher Ratio (programme wise):

Class	Compulsory	Optional
B.A,I	107:1	36:1
B.A. II	85:1	18:1
B.A III	68:1	5:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: **Nil**
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D./ M.Phil / PG.:  
**Ph. D. - 02**
16. Number of faculty with ongoing projects from a) National 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:
  - a) Publication per faculty: **1) Dr. R. A. Kadakane – 04, BOOKS**
  - b) Number of papers published in peer reviewed journals (National / International) by faculty and students: **National – 01, International - 01**
- ☐ Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)- **Nil**
- ☐ Monographs - **Nil**
- ☐ Chapter in Books - **01**
- ☐ Books Edited - **Nil**
- ☐ Books with ISBN/ISSN numbers with details of publishers - **Nil**
- ☐ Citation Index - **Nil**
- ☐ SNIP - **Nil**
- ☐ SJR - **Nil**
- ☐ Impact factor- **Nil**
- h-index - Nil**

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/programme – **Nil**  
b) Percentage 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: - **01**

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

Dr. P. A. ATTAR	2010-11
Prin. Dr. M. A. SHAIKH	2011-12
Dr. M. L. JADHAV	2012-13
Prin. Dr. P. R. SHEWALE	2013-14
Dr. C. A. LANGARE	2014-15

25. Seminars/ Conferences/Workshops organized & the source of funding: **Nil**

- a) National  
b) international

26. Student profile programme/course wise: **B. A. English**

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B. A. I compulsory	258	258	215	64	89.5
B. A. I optional	71	71	46	25	88.7
B. A.II compulsory	169	169	129	40	87.8
B. A.II optional	35	35	26	09	88.57
B. A.III compulsory	10	10	6	4	90.0



27. Diversity of Students

Year	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2010-11	B. A. English	81.82	18.18	-
2011-12	B. A. English	87.05	12.5	-
2012-13	B. A. English	100	-	-
2013-14	B. A. English	100	-	-
2014-15	B. A. English	100	-	-

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

29. Student progression

Student progression	Against % enrolled				
UG to PG	2010-11	2011-12	2012-13	2013-14	2014-15
	19	37.05	50	30	60
PG to M.Phil.	-				
PG to Ph.D.	-				
Ph.D. to Post-Doctoral	-				
Employed • Campus selection • Other than campus recruitment	-				
Entrepreneurship/Self-employment	-				

30. Details of Infrastructural facilities: a)

Library – **Yes Details**

b) Internet facilities for Staff & Students - **Yes Details**

c) Class rooms with ICT facility - **Yes Details**

d) Laboratories - **Yes Details**

31. Number of students receiving financial assistance from college, university,

Government or other agencies: **Nil**

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

Sr	NAME OF THE GUEST	TOPIC	YEAR
1	Dr. P. A. ATTAR	ACQUISITION OF ENGLISH LANGUAGE: STRUCTURE AND STRATEGIES	2010-11
2	Prin. Dr. M. A. SHAIKH	SOFT SKILLS FOR PERSONALITY DEVELOPMENT	2011-12
3	Dr. M. L. JADHAV	IMPORTANCE OF ENGLISH LANGUAGE AND LITERATURE FOR COMPETITIVE EXAMINATIONS	2012-13
4	Prin. Dr. P. R. SHEWALE	INDIAN ENGLISH POETRY: AN APPRAISAL	2013-14
5	Dr. C. A. LANGARE	LITERATURE, CULTURE AND FILMS	2014-15

33. Teaching methods adopted to improve student learning:

**Use of audio-visual aids and ICT based teaching**

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

35. SWOC analysis of the department and Future plans:

**1. Strengths( S) -**

- a) Highly qualified staff
- b) Audio-visual centre (language lab)
- c) Number of co-curricular activities

**2. Weaknesses – (W)**

- a) Scarcity of full-fledged staff
- b) Separate infrastructure required
- c) Overcrowded classes

**3. Opportunities(O)**

- a) To inculcate the soft skills among the staff and students

**4. Challenges ( C)**

- a) Comparatively Low Strength of students offering English as Special Subject
- b) Obtaining sufficient staff

**Future plans:**

- i) To start the Post-graduate course in English
- ii) To establish a digital Language Laboratory
- iii) COC courses for skill development

### 13 : DEPARTMENT OF HINDI

1. Name of the department : **Department of Hindi**
2. Year of Establishment : **1960**
3. Names of Programmes / Courses offered  
(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG**
4. Names of Interdisciplinary courses and the Departments/units involved:  
A course in *History of Social Reformers in Maharashtra* is studied by B.A Part II students as an IDS and is taught by Department of History.
5. Annual/ semester/choice based credit system (programme wise) : **B.A.Part I,II and III Semester**
6. Participation of the department in the courses offered by other departments : **Nil**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching post:

Teaching Faculty	Sanctioned	Filled
Professors	00	00
Associate Professors	00	01*(CAS)
Asst. Professors	02	01

10. 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
Ms. A. M. Datar	M.A.	Associate Professor	Hindi Literature	25 Years	Nil
Mr. V.M. Deshmukh	M.A. SET	Assistant Professor	Hindi Literature	11 Years	Nil

11. List of senior visiting faculty : Nil

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

13. Student -Teacher Ratio (programme wise)

Programme / Courses	Student- Teacher Ratio
BA I	45:01
BA II	07:01
BA III	01:01

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

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : PG-02

16. Number of faculty with ongoing projects from a) National 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: -

\* No of Publications in peer reviewed journals (National/International by Faculty and Students)

Sr. No	Name of Faculty	Research Paper Published in Journal	
		International	National
1	V. M. Deshmukh	00	01

\*

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

- \* Monographs: **Nil**
  - \* Chapter in Books: **Nil**
  - \* Books Edited: **Nil**
  - \* Books with ISBN/ISSN numbers : **Nil**
  - \* Citation Index: **NA**
  - \* SNIP: **NA**
  - \* SJR: **NA**
  - \* Impact factor: **NA**
  - \* h-index: **NA**
20. Areas of consultancy and income generated: **Nil**
21. Faculty as members in : **Nil**  
a) National committees b) International Committees c) Editorial Boards....
22. Student projects :  
a) Percentage of students who have done in-house projects including inter departmental/programme: 100%  
**All BA III Students have to do a research project as a part of their curriculum.**  
b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:  
Not applicable.
23. Awards / Recognitions received by faculty and students : **Nil**
24. List of eminent academicians and Scientists / visitors to the department  
: **1) Prof. Dr. Arjun Chavan -2011**  
**2) Dr. Shankar Pantumbekar, Shri Govind Godbole-2014**
25. Seminars/ Conferences/Workshops Organized & the source of funding  
a) National b) International

<b>Year</b>	<b>Activity (workshop) on</b>	<b>Funding</b>
<b>2011-2012</b>	<b>Hindi Patrakarita</b>	<b>Shivaji University</b>

26. Student profile programme/course wise: (2014-15)

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
Year (2014 – 2015)					
B.A - I	258	91	65	26	79.99
B.A - II	164	14	13	01	99.99
B.A - III	130	02	01	01	100

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
BA I,II,III	100%	Nil	Nil

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

: **NET-01**

29. Student progression:

Student progression	Against % enrolled
UG to PG	21.0
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
<b>Employed</b> • Campus selection • Other than campus recruitment	50%
Entrepreneurship/Self-employment	50%

30. Details of Infrastructural facilities

a) Library : **Yes, No. of Books 65**

b) Internet facilities for Staff & Students : **Available**

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

Name of Scholarship	No of Students
Merit Scholarship	<b>Nil</b>
Dakshina Fellowship	<b>Nil</b>
Students Aid Fund	<b>Nil</b>
Government of India	<b>02</b>

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:  
**1) Hindi Patrakarita –One Day Workshop- On 28 Dec, 2011**  
**2) Hindi Din Celebration –Lectures (2)**
33. Teaching methods adopted to improve Student learning:  
**e- learning, Use of Information and Communication Technology (ICT),**
34. Participation in Institutional Social Responsibility (ISR) and Extension activities: **Nil**
35. SWOC analysis of the department and Future plans:

<b>Strength:</b> 1. Faculty is selected by MPSC 2. Use of ICT in teaching – learning process 3. Departmental Library	<b>Weakness:</b> No institutional Collaboration Student strength
<b>Opportunities:</b> To Create Students & Teacher Reading Club. To Establish Language Lab PG course	<b>Challenges:</b> To increase students strength

**Future Plans: -**

1. To initiate short term value added skill based certificate courses.
2. To organize national level conference.

## 14 : DEPARTMENT OF POLITICAL SCIENCE

1. Name of the department : Department of Political Science
2. Year of Establishment : 1968
3. Names of Programmes / Courses offered : UG  
(UG, PG, M.Phil., Ph.D., Integrated Masters;  
Integrated Ph.D., etc.)
4. Names of Interdisciplinary courses and the : A course in Public Administration is studied  
by B.A.II students as an IDS  
Departments/units involved
5. Annual/ semester/choice based credit system :B.A.I,II,III-Semester pattern for  
theory (programme wise)
6. Participation of the department in the : Social Sciences( Economics, Sociology.  
Courses offered by other departments History )
7. Courses in collaboration with other : Nil  
Universities, industries, foreign  
Institutions, etc.
8. Details of courses/programmes : Nil  
Discontinued (if any) with reasons

9. Number of Teaching posts :

Teaching Faculty	Sanctioned	Filled
Professors	00	00
Associate Professors	00	00
Asst. Professors	02	02

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. /  
M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experienc e	No. of Ph.D. Students guided for the last 4 years
Miss. Madhuri S. Khot	M.A. S.E.T. M.Phil	Asst. Professors	Indian Government	17	Nil
Sandeep Shivling Gade.	M.A. S.E.T.	Asst. Professors	Indian Government	08	Nil



11. List of senior visiting faculty : Nil

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

Programme / Courses	Percentage
FYBA	0.00
SYBA	66.66
TYBA	40.00

13. Student -Teacher Ratio (programme wise):

Programme / Courses	Student- Teacher Ratio
FYBA	173:1
SYBA	31:1
TYBA	14:1

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

15. Qualifications of teaching faculty with DSc/ : Two Faculty with PG Teacher  
One faculty with M.phil.  
D.Litt/ Ph.D/ MPhil/PG

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

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

18. Research Centre /facility recognized by the University : Nil

19. Publications: Nil  
a) Publication per faculty

\*Number of papers published in peer reviewed journals (national / International) by faculty and students

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

\* Chapter in Books : No

Books Edited : Nil

\*Books with ISBN/ISSN numbers with details of publishers : Nil

20. Areas of consultancy and income generated : Nil

21. Faculty as members in a) National committees :Nil  
b) International Committees c) Editorial Board
22. Student projects  
a) Percentage of students who have done in-house projects including inter departmental/programme: 100% (All B.A- III Students have to do a research project as a part of their curriculum)  
b) Percentage 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 :  
Three students of the department obtained Merit Scholarship in 2010 to 2014.  
Ku. Shinde Jotiram Dnyandev Student of this Department has Awarded Mahalixami Award Merit Scholarship 2013 – by Shivaji University Kolhapur.
24. List of eminent academicians and scientists/ visitors to the Department:Nil
25. Seminars/ Conferences/Workshops organized: Nil

26. Student profile programme/course wise: Year (2014 – 2015)

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.A - I	258	173	114	59	97.9
B.A - II	164	62	45	17	98.3
B.A - III	130	27	25	02	96.4

27. Diversity of Students:

Name of the Course	% of students from the same state	% of Students from other States	% of Students from abroad
B.A - III	100	Nil	Nil

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

29. Student progression

Student progression	Against % enrolled
UG to PG	11.04 %

30. Details of Infrastructural facilities :  
a) Library : Departmental Library (Text Books- 46 Reference Books 05and Journals-01  
b) Internet facilities for Staff & Students : Yes

- c) Class rooms with ICT facility : Nil  
 d) Laboratories with advanced equipments : Nil
31. Number of students receiving financial assistance from college, university, government or other agencies -
- | Name of Scholarship | No of Students |
|---------------------|----------------|
| Merit Scholarship   | Nil            |
| Dakshina Fellowship | Nil            |
| Students Aid Fund   | Nil            |
| Government of India | 04             |
32. Details on student enrichment programme (special lectures / workshops/seminar) with external expert: Nil
33. Teaching methods adopted to improve student learning:  
 e- Learning, Use of Information and Communication Technology (ICT).
34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil
35. SWOC analysis of the department and Future plans

<b>Strength:</b> 1. Excellent results	<b>Weakness:</b> No Institutional Collaborations
<b>Opportunities:</b> 1. Possibility of linkages with reputed institutions. 2. Consultancy to solving social problem	<b>Challenges:</b> 1. PG courses

**Future Plans: -**

- To start Post-graduate course
- To start short term value added skill based certificate courses
- To organized national level conference

## 15 : DEPARTMENT OF ECONOMICS

1. Name of the department : **Department of Economics**
2. Year of Establishment: **1922**
3. Names of Programmes / Courses offered: **B. A., M. Phil., Ph.D.**
4. Names of Interdisciplinary courses and the departments/units involved:  
**A course in *Public Administration* is studied by B.A Part II students as an IDS.**
5. Annual/ semester/choice based credit system (programme wise)  
**B.A.I, II and III-Semester pattern for theory.**
6. Participation of the department in the courses offered by other departments:  
**Nil**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Nil
Asst. Professors	02	02

10. 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. T.K. Udgirkar	M. A. Ph.D.	Asst.Professor	Agri.Economics	21	Nil
Dr.H.N Kathare	M.A. M.Phil. Ph.D.	Asst.Professor	Agri.Economics	17	04

11. List of senior visiting faculty: **NIL**
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **NIL**

13. Student -Teacher Ratio (programme wise) : Year 2014-15

Programme / Courses	Student- Teacher Ratio
FYBA	73:01
SYBA	19:01
TYBA	11:01

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: **Nil**

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.  
**Ph.D.**

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received - **Nil**

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

**One Major Research Project Completed, funding by UGC-New Delhi, Sanctioned Amount Rs. 762600/- (Title of the Project: Contribution of Electrification on Agricultural Development: A Comparative Study of Western Maharashtra and Vidarbha)**

18. Research Centre /facility recognized by the University: **Nil**

19. Publications:

\*Publication per faculty: 15

\* No of Publications in peer reviewed journals (National/International by Faculty and Students)

Sr.No	Name of Faculty	Research Papers Published in Journal	
		International	National
1	Dr. T.K. Udgirkar	10	04
2	Dr. H. N. Kathare	02	13

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

\* Monographs: Nil

\* Chapter in Books: **02 (Dr H.N. Kathare )**

\* Books Edited: Nil

\* Books with ISBN/ISSN numbers : 978-81-8387-512-7, Serials Publisher, New Delhi.

\* Citation Index: ---

\* SNIP: ---

\* SJR: ---

\* Impact factor: ---

\* h-index: ---

20. Areas of consultancy and income generated: **NIL**

21. Faculty as members in :**NIL**

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

22. Student projects:

a) Percentage of students who have done in-house projects including inter departmental/programme: 100%

**(All B. A. III Students have to do research project as a part of their curriculum)**

b) Percentage 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: **ccc**

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

25. Seminars/ Conferences/Workshops organized & the source of funding  
**One day Workshop organized by Deptt. Of Economics on “Recent Trends in Research Application” on 24/02/2015 (under Lead College Activity)**

26. Student profile programme/course wise: 2014-15

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.A. I	258	73	49	24	78.41
B.A. II	164	43	36	07	89.13
B.A. III	130	21	17	04	100.00

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
--------------------	-----------------------------------	---------------------------------	---------------------------

B.A - III	100	Nil	Nil
Ph. D.	05 (83.33%)	Nil	01(16.66%)

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

NET: 02

29. Student progression

Student progression	Against % enrolled
UG to PG	19.04
PG to M. Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
<b>Employed</b> • Campus selection • Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities a) Library : **Departmental library**  
b) Internet facilities for Staff & Students : **Available**  
c) Class rooms with ICT facility : **Available**  
d) Laboratories: **Nil**

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

Name of Scholarship	No of Students
Merit Scholarship	--
Dakshina Fellowship	--
Students Aid Fund	--
Government of India	--

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

33. Teaching methods adopted to improve student learning:  
**E- learning techniques and interactive teaching.**

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

35. SWOC analysis of the department and Future plans:

<b>Strength:</b> <ol style="list-style-type: none"> <li>1. Faculty with Ph. D. holder.</li> <li>2. UGC - Major research project completed</li> <li>3. Recognised research guide for M.Phil &amp; Ph.D</li> <li>4. As many as 08 students working for M.Phil and Ph.D degree</li> </ol>	<b>Weakness:</b> <ol style="list-style-type: none"> <li>1. No Other Institutional Collaborations</li> </ol>
<b>Opportunities:</b> <ol style="list-style-type: none"> <li>1. Possibility of linkages with reputed institutions such as Banks, Corporate sector, Insurance agencies.</li> <li>2. PG and other certificate courses to be started</li> </ol>	<b>Challenges:</b> <ol style="list-style-type: none"> <li>1. Separate building</li> </ol>

**Future Plans: -**

1. To Start Post-graduate course.
2. To start short term value added courses.
3. To organize national level seminar



## 16 : DEPARTMENT OF HISTORY

1. Name of the department: **Department of History**
2. Year of Establishment : **1922**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG**
4. Names of Interdisciplinary courses and the departments/units involved: **Nil**
5. Annual/ semester/choice based credit system (programme wise): **Semester**
6. Participation of the department in the courses offered by other departments: **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **NIL**
8. Details of courses/programmes discontinued (if any) with reasons: **NIL**
9. Number of teaching posts

	<b>Sanctioned</b>	<b>Filled</b>
Professors	-	-
Associate Professors	-	-
Asst. Professors	<b>02</b>	<b>Nil</b>

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name of faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
<b>All faculties on CHB basis</b>	-	-	-	-	-

11. List of senior visiting faculty: **Nil**
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty :

<b>Programme</b>	<b>Percentage</b>
B.A. I	100
B.A.II	100
B.A.III	100

13. Student -Teacher Ratio (programme wise): Faculty on CHB basis
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: **NIL**
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:  
**Five CHB faculties are with PG and Two faculties with M.Phil degree.**
16. Number of faculty with ongoing projects from a) National 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: **No**
19. Publications:  
 \*Publication per faculty: -  
 \* No of Publications in peer reviewed journals (National/International by Faculty and Students) **Nil**  
 \*Number of publications listed in International Database (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 : **Nil**  
 \* Citation Index: **Nil**  
 \* SNIP: **Nil**  
 \* SJR: **Nil**  
 \* Impact factor: **Nil**  
 \* h-index: **Nil**
20. Areas of consultancy and income generated
21. Faculty as members in  
 a) National committees b) International Committees c) Editorial Boards....**Nil**
22. Student projects :  
 a) Percentage of students who have done In-house projects including inter departmental/programme: 02  
 b) Percentage 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 b) International :- **Nil**
26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.A.I	258	111	89	22	83.74
B.A. II	164	15	14	01	73.33
B.A.III	130	13	09	04	100

\*M = Male \*F = Female

27. Diversity of Students:

Name of the Course (2014-15)	% of students from the same state	% of students from other States	% of students from abroad
B.A.III	100	Nil	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
<b>UG to PG</b>	<b>20.0</b>
PG to M.Phil.	<b>Nil</b>
PG to Ph.D.	<b>Nil</b>
Ph.D. to Post-Doctoral	<b>Nil</b>
<b>Employed</b>	<b>Nil</b>
• Campus selection	
• Other than campus recruitment	
Entrepreneurship/Self-employment	<b>Nil</b>

30. Details of Infrastructural facilities a)Library- **Nil**  
b) Internet facilities for Staff & Students:- **Nil**  
c) Class rooms with ICT – **Nil**  
d) Laboratories:- **Nil**

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

<b>Name of Scholarship</b>	<b>No of Students</b>
Merit Scholarship	<b>Nil</b>
Dakshina Fellowship	<b>Nil</b>
Students Aid Fund	<b>Nil</b>
Government of India	<b>06</b>

32. **Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts:- Nil**

33. Teaching methods adopted to improve student learning: **Group discussion and seminar**

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

35. SWOC analysis of the department and Future plans:

<b>Strength:</b> Good students strength	<b>Weakness:</b> Space constraint
<b>Opportunities:</b> Certificate courses in History	<b>Challenges:</b> Separate Departmental Building

**Future Plan:**

1. To start short term courses
2. To develop linkages with other Institutions.

## 17: DEPARTMENT OF SOCIOLOGY

1. Name of the Department : **Department of Sociology**
2. Year of Establishment : **1960**
3. Names of Programmes / Courses offered : **B.A.**  
(UG, PG, M.Phil., Ph.D., Integrated Masters;  
Integrated Ph.D., etc.)
4. Names of Interdisciplinary courses and the Departments/units involved : **A course in Public Administration is studied by B.A.II students as an IDS**
5. Annual/ semester/choice based credit system: **Semester**  
(programme wise)
6. Participation of the department in the Courses offered by other departments : **Social Sciences (Economic, Pol.Science etc)**
7. Courses in collaboration with other Universities, industries, foreign Institutions, etc. : **Nil**
8. Details of courses/programmes Discontinued (if any) with reasons : **Nil**

9. Number of Teaching posts :

Teaching Faculty	Sanctioned	Filled
<b>Professors</b>	<b>00</b>	<b>00</b>
<b>Associate Professors</b>	<b>00</b>	<b>00</b>
<b>Asst. Professors</b>	<b>02</b>	<b>02</b>

10. 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
<b>Ms. A. B. Gaikwad</b>	<b>M.A. M.Phil, SET</b>	<b>Assistant Prof.</b>	<b>Indian Society</b>	<b>12 Years</b>	<b>Nil</b>
<b>Mr.S.K. Mahajan</b>	<b>M.A., SET, NET.</b>	<b>Assistant Prof.</b>	<b>Indian Society</b>	<b>Joined 13/02/2015</b>	<b>Nil</b>

11. List of senior visiting faculty: **Nil**
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Programme / Courses	Percentage
FYBA	00.00
SYBA	50.00
TYBA	06.66

13. Student -Teacher Ratio (programme wise):

Programme / Courses	Student- Teacher Ratio
FYBA	70:01
SYBA	14:01
TYBA	10:01

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : **Nil**
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG. : **Two Faculty with PG Teacher One faculty with M.phil.**
16. Number of faculty with ongoing projects from a) National 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: **Nil**  
a) Publication per faculty
- \*Number of papers published in peer reviewed journals (national / International) by faculty and students
- \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **Nil**
- \* Chapter in Books : **No**
- Books Edited : **Nil**
- \*Books with ISBN/ISSN numbers with details of publishers : **Nil**
20. Areas of consultancy and income generated : **Nil**

21. Faculty as members in a) National committees :**Nil**  
b) International Committees c) Editorial Board
22. Student projects  
a) Percentage of students who have done in-house projects including inter departmental/programme: **100%**  
(All B.A- III Students have to do a research project as a part of their curriculum)  
b) Percentage 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: **Nil**
26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
Year (2014 – 2015)					
B.A - I	258	64	45	19	86.20
B.A - II	164	28	20	08	100
B.A - III	130	19	13	06	79.22

27. Diversity of Students:

Name of the Course	% of students from the same state	% of Students from other States	% of Students from abroad
B.A - III	100	Nil	Nil

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

29. Student progression

Student progression	Against % enrolled
UG to PG	15.8

30. Details of Infrastructural facilities :  
a) Library : **Departmental Library includes**

with 20 books

- b) Internet facilities for Staff & Students : **Yes**
- c) Class rooms with ICT facility : **Nil**
- d) Laboratories with advanced equipments : **Nil**
31. Number of students receiving financial assistance from college, university, government or other agencies (2014-15)
- | Name of Scholarship | No of Students |
|---------------------|----------------|
| Merit Scholarship   | <b>Nil</b>     |
| Dakshina Fellowship | <b>Nil</b>     |
| Students Aid Fund   | <b>Nil</b>     |
| Government of India | <b>05</b>      |
32. Details on student enrichment programme (special lectures / workshops/seminar) with external expert: **Nil**
33. Teaching methods adopted to improve student learning:  
**Use of Information and Communication Technology (ICT).**
34. Participation in Institutional Social Responsibility (ISR) and Extension activities: **Nil**
35. SWOC analysis of the department and Future plans

<b>Strength:</b> 1. Good student strength 2. Excellent result	<b>Weakness:</b> No other institutional collaborations
<b>Opportunities:</b> 1. To start PG courses	<b>Challenges:</b> 1. Linkages with reputed institutions and NGO'S 2. Consultancy to solving Social problem

**Future Plans: -**

1. To start PG courses
2. ICT based teaching learning
3. To start skill based courses



## 18 : DEPARTMENT OF MARATHI

1. Name of the department : **Department of Marathi**
2. Year of Establishment : **1960**
3. Names of Programmes / Courses offered (UG, PG, M.phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG**
4. Names of Interdisciplinary courses and the departments/units involved : **Nil**
5. Annual/ semester/choice based credit system (programme wise) : **Semester**
6. Participation of the department in the courses offered by other departments : **Nil**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching post : **Nil**
10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,) : **CHB 06 Faculty- Ph.D.-03, M. Phil.-02**
11. List of senior visiting faculty : **Nil**
12. Percentage of lectures delivered and practical classes handled (programme wise by temporary Faculty) : **BA-I,II,III / CHB-6 Faculty**
13. Student -Teacher Ratio (programme wise):
 

Programme / Courses	Student- Teacher Ratio
<b>FYBA</b>	--
<b>SYBA</b>	--
<b>TYBA</b>	--
14. Number of academic support staff (technical) and administrative

- staff; sanctioned and filled : Nil
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : Nil
16. Number of faculty with ongoing projects from a) National 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:
- \*a) Publication per faculty : Nil
20. Areas of consultancy and income generated : Nil
21. Faculty as members in : Nil
- a)National committees b) International Committees c) EditorialBoards....
22. Student projects
- a)Percentage of students who have done in-house projects including inter departmental/program : 100% B.A. III students have project compulsory
- b) Percentage 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 : 1) Dr. Himanshu Smart  
2) Mahesh Joshi
- 25.Seminars/ Conferences/Workshops organized & the source of funding
- a) National b)International:
26. Student profile programme/course wise: (2014-15)

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
BA I	258	65	45	20	89.55
BA II	164	11	9	02	88.47
BA III	130	03	03	00	100.0

27. Diversity of Students :

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
BA I,II,III	100	Nil	Nil

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

29. Student progression: **Nil**

Student progression	Against % enrolled
UG to PG	--
PG to M. phil.	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
<b>Employed</b>	
• Campus selection	--
• Other than campus recruitment	--
Entrepreneurship/Self-employment	--

30. Details of Infrastructural facilities

- a) Library : **Nil**  
b) Internet facilities for Staff & Students: **Available**  
c) Class rooms with ICT facility : **Available**  
d) Laboratories : **No**

31. Number of students receiving financial assistance from college,

university, government or other agencies : Nil

32. Details on student enrichment programme (special lectures / workshops / seminar) with external experts : **One Day Workshop**
33. Teaching methods adopted to improve student learning : **Seminar and Group discussion**
34. Participation in Institutional Social Responsibility (ISR) and Extension Activities : **Nil**
35. SWOC analysis of the department and Future plans:

<b>Strength:</b> Excellent result	<b>Weakness:</b> Less student strength at BA-III level
<b>Opportunities:</b> 1. To develop Reading Club. 2. To Establish language lab	<b>Challenges:</b> Data Collection of Marathi literature in Maharashtra

**Future Plans: -**

1. To organize national level conference.
2. To start C.O.C. courses

## 19 : DEPARTMENT OF PSYCHOLOGY

1. Name of the department: **Department of Psychology**
2. Year of Establishment: **1961-62**
3. Names of Programmes / Courses offered: **(UG, PG, M.Phil., Ph.D)**
4. Names of Interdisciplinary courses and the departments/units involved:  
Students offer either ***Public Administration or History of Social Reformers in Maharashtra as an interdisciplinary subject at B.A part II.***
5. Annual/ semester/choice based credit system (programme wise):  
**B.A.I, II, III, and M.A I and II -Semester pattern for theory.**  
**Choice based credit system for M.A.**
6. Participation of the department in the courses offered by other departments: **Nil**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
8. Details of courses/programmes discontinued (if any) with reasons: **Nil**
9. Number of Teaching posts

	Sanctioned	Filled
Professor	00	00
Associate Professors	00	01
Asst. Professors	05	01

10. 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
Dr.A.S.Parit	M.A.Ph.D	Associate Professor	Psychology	33	8
Ms. Neeta N. Lad	M.A., M.Ed.	Assistant Professor	Psychology	17	Nil

11. List of senior visiting faculty:  

Prof. V. D. Tadsare,  
Prof. Pradeep Pawar,

Prof. Anil Ghaste,  
Prof. Suresh Sankpal

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

Programme / Courses	Lectures (%)
FYBA	100
SYBA	100
TYBA	75
M.A I	25
M.A II	0

13. Student -Teacher Ratio (programme wise): 126:1

Programme / Courses	Student -Teacher Ratio
BA I	-
BA II	-
BA III	8:01
M.A I	15:1
M.A II	6:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: 01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:

**Ph.D.-01**

**PG -01**

16. Number of faculty with ongoing projects from a) National 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:

***Research lab. recognized by Shivaji university***

19. Publications:

\* Publication per faculty: 05

\* No of Publications in peer reviewed journals (National/International by Faculty and Students)

Sr.No	Name of Faculty	Publications	
		International	National
1	Dr.A.S.Parit	0	5
2	Ms.Neeta N. Lad	1	4

\* Number of publications listed in International Database (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 :**Nil**
- \* Citation Index: **Nil**
- \* SNIP: **Nil**
- \* SJR: **Nil**
- \* Impact factor: 2.1
- \* h-index: **Nil**

20. Areas of consultancy and income generated: **NIL**

21. Faculty as members in:  
a) National committees b) International Committees c) Editorial Boards....

**Lad N. N.**

National Committee:

1. Indian academy of Applied Psychology
2. Shivaji University Manasshastra Parishad

22. Student projects:

- a) Percentage of students who have done in-house projects including inter departmental/programme: **100%**  
(*All M.A.II Students have to do a research project as a part of their curriculum*)
- b) Percentage 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:

**Faculty:**

1. One teacher recognised Ph.D Guide
2. One Teacher Recognized for PG Teaching.

**Students:**

Sanyogeeta Patil , Komal Vhatkar - Genesee book of world Record [ 10 Jan 2015]

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

Dr. D.S. Janbandhu	Dr. B. A. Naik	Prof. V. D. Tadsare
Dr. Vilas Padhye	Prof Shirish Shitole	Dr. Sarjerao Salokhe.
Dr. Kanade	Dr. Shubdha Divan	Dr. Vilas Padhay

25. Seminars/ Conferences/Workshops organized & the source of funding: a) National  
b) International

Sr. No	Date	Theme of workshop Seminar/ Conference Organized by Psychology Department	
1	27 July 2011	Current Psychological Perspective of leadership in industry	Lead college
2	27 & 28 January 2014	State level workshop on the Research Methodology for writing project, dissertation and thesis	State level
3	6 August 2015	B.A.II Revised syllabus workshop	University level

26. Student profile programme/course wise: 2014-15

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.A I	258	96	76	20	98.8
B.A II	164	20	13	07	93.1
B.A III	130	16	9	7	60.0
M.A I	44	30	16	14	78.9
M.A II	16	11	3	8	88.9

\*M = Male \*F = Female

27. Diversity of Students: 2014-15

Name of the Course	% of students from the same	% of students from other	% of students from abroad
B.A. III	94 %	6.00 %	Nil
M.A I	100 %	Nil	Nil
M.A II	90 %	10 %	Nil

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

**NET- 02**

29. Student progression

Student progression	Against % enrolled
UG to PG	8.23
PG to M.Phil.	-



PG to Ph.D.	10
Ph.D. to Post-Doctoral	-
<b>Employed</b> <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	03 students
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities:

- a) Library: Books - 225 e Books  
**Psychology journals are available in the department**  
1. Journal of Positive Psychology  
2. Psychology in India  
3. Indian Journal of Developmental Disabilities  
4. Indian Journal of Behavioral Research and Therapy  
b) Internet facilities for Staff & Students: Available  
c) Class rooms with ICT facility: **Available**  
d) Laboratories: **Yes**

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

Name of Scholarship	No of Students
Merit Scholarship	Nil
Dakshina Fellowship	Nil
Students Aid Fund	Nil
Government of India	07

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

Sr. No	Date	Resource Person	Name of the Topic
1	30 August 2011	Dr.Sarjerao Salokhe	Research Methodology
2	13 Oct 2011	Dr.Sharad Hunswadkar	Mental Health
3	11 Jan 2012	1. Jitendr Akkalkotkar 2. Prof.Dr.A.S.Parit 3. Prof.Shirish Shitole	Leadership in Industry
4	14 Feb 2012	Dr.B.A.Naik	Positive Psychology
5.	11 Sep 2012	Prof. V.D.Tadsare	SWAT Analysis
6	1 Oct 2013	Dr.Shubdha Divan	Use of Psychology in Routine Life
7	10 Oct 2013	Prof.Shirish Shitole	EI and Psychology
8	24 Oct 2013	Dr. Kande	Stress Management
9	27 Dec 2013	Dr. Vilas Padhye	SPSS
10	27&28 Jan 2014	Dr. D.S. Janbandu	Research Method And Preparing a research Proposals

11	6 Aug 2014	1.Dr. A.S.Parit 2.Prof.Anil Ghaste	Child Psychology
12	2 Mar 2015	Dr.C.B.Patil	Research Methods in Psychology

33. Teaching methods adopted to improve student learning:
- 2010-11 Industrial Visit at Abhishek Spinning Mill, (MA II)
  - 12/9/2012 Industrial Visit at Sai Steel Work (B.A.III)
  - 6/3/2013 Industrial Visit at Remmand Zambayati (M.A.II)
  - 6/1/2014 Industrial Visit at Ghatge- Patil.(M.A.II)
  - 20/9/2014 Industrial Visit at BalSankul Kolhapur (B.A.III,M.A.II)
  - 21/1/2015 Industrial Visit at Bhartiya Sanskruti, Kanerimath (B.A.III, M.A.I, II)
  - 3/2/2015 Industrial Visit at Navjivan Matimand School (B.A.III)
34. Participation in Institutional Social Responsibility (ISR) and Extension activities:  
**Rs.1600 Donated to Balkalyan Sankul,Kolhapur. (20/9/2014 ,Recpt No.492)**
35. SWOC analysis of the department and Future plans:

<b>Strength:</b> <ol style="list-style-type: none"> <li>Well equipped research laboratory with recognition by university for M.Phil. and Ph.D.</li> <li>Excellent result</li> </ol>	<b>Weaknesses</b> <ol style="list-style-type: none"> <li>No other Institutional collaborations</li> </ol>
<b>Opportunities</b> <ol style="list-style-type: none"> <li>To start Family Counseling</li> <li>Linkages with reputed industries</li> </ol>	<b>Challenges</b> <ol style="list-style-type: none"> <li>To start counseling centre</li> </ol>

**Future Plans:**

- To start Post Graduate course in Counseling Psychology
- To start COC courses.

## **PRESENTATION OF BEST PRACTICES:**

**The two best practices of the college (Selected from several others) are:**

### **1) TITLE OF THE PRACTICE: 'EMPOWERMENT OF GIRL STUDENTS'**

#### **2) GOALS:**

- i) To promote Gender sensitization and awareness of Women Empowerment.
- ii) To provide counseling and guidance for Competitive examinations and Career advancement
- iii) To cultivate leadership qualities.
- iv) To provide training for self-defense.
- v) To provide practical guidance in the fields of sports, cultural activities and social services.
- vi) To make efforts for the Personality and Skill development of Girl Students

#### **3) THE CONTEXT:**

The scientific and technological development during the last two decades has drastically changed the role of women in the modern society. This has also created some areas of concern such as the Gender Equality, Women Security and wider area of activities of greater responsibilities.

Traditional attitudes and patriarchal mindset, taboos, lack of self confidence, wrong concept of beauty and fitness are some of the barriers to Women empowerment.

It has become necessary to view Women empowerment in the context of global society and the capacities and roles played by the women in the developed countries.

Special guidance and training for women has become necessary for encouraging and preparing the Girl students to face the problems of modern ethos and global competencies. Therefore, the college has decided to make special efforts in this context.

#### **4) THE PRACTICE**

Women empowerment means emancipation of women from the vicious grips of social, economical, political, caste and gender-based discriminations under patriarchy. It means granting women the freedom to make life choices. In this regard, following activities have been undertaken by the college:

- Special lectures arranged from time to time on the relevant topics such as Human Rights, Social, Educational, Economical, Occupational and Legal issues.
- Lectures and Seminars organized on the following topics: Gender Sensitization, Personality Development, Orientation towards higher studies, Skill Development, Guidance regarding maintenance of physical and mental health, Motivation by role models in various fields.
- Special workshops arranged for promotion of Entrepreneurship, Self Defense and Gender Sensitization.
- Medical check- up camps arranged from time to time.
- Competitions organized: Elocution, Essay, Debate, Slogan, Posters, Painting, *Rangoli*, *Mehandi*, Self beautification.

#### **5) EVIDENCE OF SUCCESS:**

**Following results have been received as the impact of the practice:**

- Increase in self confidence
- Better understanding of Gender Equity
- Progression towards higher studies

- Increase in the Entrepreneurship (self employment).
- Consciousness about health
- Academic achievements: 28- Scholarships, NET, SET,GATE and other Competitive Examinations, awards and prizes in various competitions
- Sports and Cultural achievements:10 - Swimming, Shooting, Vushu,
- Ms. Sanyogita Patil, a student of our college, found place in Guinness Book of world Records 2015 for Mass demonstration of *Bharatnatyam*.
- ‘**Chancellors Award**’- The University Best Student Award- a Gold Medal awarded to **Ms. Kshitija Tashi.( January 2012)**
- Miss .Banu Shikalgar was selected for **the Republic day parade** through 6MAH Btn in 2015 January
- **Ranragini Tararani Puraskar** (2012-13) : Awarded to Ms. Pooja Pawar for being the Best cadet of 6 MAH Btn NCC, Shivaji University, Kolhapur.
- “**Jagar Janivancha**”- A campaign run by Government of Maharashtra, for Gender Equality & Women Empowerment. 3 Awards received by the college:
  - 2<sup>nd</sup> prize at District Level (2012-2013) of Rs. 50,000/-
  - 1<sup>st</sup> prize at District level (2013-2014) of Rs. 1,00,000/-
  - 2<sup>nd</sup> prize at University level (2013-2014) of Rs. 1,00,000/-
- Ms. Jayashri Desai and Ms. Mrinal Kulkarni, our star Elocutionists, have received a number of awards and certificates in the Elocution and Debate competitions at various levels during the last four years.
- The Girls of the Ladies Hostel organized a special Self Defence program in Summer & Winter vacations (2012-13) for School going Girls in their villages.
- “Dnyaneshwar Mule Award”- received by Ms. Ashwini Mane.

#### 6) A) PROBLEMS ENCOUNTERED:

- Scarcity of required expert resource persons.
- Time constraint.
- Compulsion of restriction on number of admissions for training programs.
- No special budgetary provision.

#### B) RESOURCES REQUIRED:

- Expert Resource persons
- Financial support

#### The Best Practice No.2:

##### 1) Title: PROMOTION OF RESEARCH CULTURE

##### 2) Goals:

- a) To inculcate a research culture among the faculty and students
- b) To develop Scientific temper and acquire research skills.
- c) To translate theoretical knowledge into action
- d) To provide training in Research Methodology
- e) To encourage faculty and students to pursue M. Phil. / Ph. D. programs and to undertake research projects.

- f) To organize and attend State, National, International level Workshops, Seminars and Conferences.

### 3) THE CONTEXT:

- Research promotion is essential in the context of knowledge based global society- creation of knowledge and knowledge management strategies.
- The present system of education is examination oriented. The young inquisitive brains have an enormous potential to grasp and explore innovative concepts and ideas.
- The cream of the students is diverted to professional courses and there is a scarcity of students pursuing research in various subjects.
- Students getting admissions in the college have the capacity and potential for innovative thinking. The potentiality needs to be ignited.
- There is no sphere of human endeavour which is untouched by research. 'Research' is the key word in today's globalized world.
- In the modern era of global competition, research is required for the sustainable development of the society and even for the survival in the competition.

In this context, the college decided to inculcate research culture among the faculty and students.

### 4) THE PRACTICE

The college makes following efforts for the promotion of research:

- The research committee formulates the strategies of research and renders significant help to the researchers in providing funding from various agencies.
- The college provides necessary facilities for research to the faculty and students.
- The college has obtained recognitions for the research laboratories from the University by upgrading them.
- The faculty and students are oriented towards research methodology by organizing interactive lectures, hands-on training and workshops.
- The college has established an effective network for the communication between the other research centres and experts in India and abroad and the faculty and students of the college.
- The staff and students are motivated to organize and participate in National and International Level Workshops, Seminars and Conferences.
- The college encourages faculty and students to publish research work.
- The alumni experts in various research fields deliver special lectures on new areas and techniques of research. They also provide information on various facilities and the scholarships for research promotion.
- Students are encouraged to participate in research oriented activities such as 'Avishkar' and 'Lead College' Workshops.
- The college organizes-
  - Visits to various industries and research centres.
  - Competitions and exhibitions by different clubs to create research awareness.
  - Interactions between eminent Scientists and the faculty and students.
- The students are assigned research projects on different topics of Environmental, Scientific and Social significance.

### 3) EVIDENCES OF SUCCESS:

**Table 7.1 Evidences of Success**

Sr.	Title	No.
1	Recognized research laboratories	07
2	M. Phil. students	Working- 8
3	Ph. D. students	Awarded-15, Working-80
4	Research projects completed	Major- 9, Minor - 7
5	On-going major research projects	5
6	Project proposals submitted	3
7	Inter disciplinary projects	2
8	Workshops organized	7
9	Lectures organized	12
10	Conferences organized (National level)	3
11	Research papers published by faculty	166
12	Research papers published by Students in National and international journals/Conferences	10.
13	Participation of students in national/international conferences	Attendance-20
		Poster, paper presentations-13
14	Prizes won in 'Avishkar'	08
15	Young Scientist Award	Int. Conf., Udaipur 01

#### During 2010-15:

- Seven Minor projects of total outlay Rs. 7.36 lakh have been completed successfully
- Major projects of total outlay Rs. 127.65 lakh are sanctioned to College.
- 'Inspire Fellowship' is awarded to five UG students.
- CSIR-JRF to two research scholars.
- UGC-TG to two faculty members.

#### 6) a) Problems encountered

- Inadequate funds
- Time constraint
- Inadequate Manpower (especially technicians)

#### b) Resources required:

- Adequate funds
- Additional space

## Post-Accreditation Initiatives

Sr. No.	Suggestions by NAAC peer team	Details of Compliance
1.	The college is well equipped to move towards autonomy	The college intends to move towards academic autonomy in near future. The proposal for the same will be submitted to the concerned authorities after the second cycle assessment and accreditation by NAAC.
2.	With good Science Departments, the college can start post-graduate degree programmes.	The college has already submitted the proposal to the university and the Government of Maharashtra for starting post-graduate programmes in Home-Science and Microbiology. Besides, the college is going to submit the proposal to start the post-graduate programmes in Botany, Chemistry, Physics, Geology, as well as English, and Geography.
3.	Courses in Biotechnology be started.	Along with Biotechnology, the college has submitted the proposal to start certain new subjects like Drug Synthesis, Nanotechnology, Astrophysics, Space Science and B.Sc. in Home Science. The proposal has been sanctioned by the Shivaji University Kolhapur and the same has been forwarded to the Government of Maharashtra for the final sanction.
4.	At present the library working hours are from 10.00 am. To 5.30 pm. This should be increased to 8.00 am to 8.00 pm.	Presently, the library remains open from 10.00 am to 08.00 pm.
5.	Separate blocks be constructed for Microbiology, Geology and Family and Community Science departments.	The college submitted the proposal for the construction of separate blocks for Microbiology, Geology, Family and Community Science (Home Science). Out of these, the blocks for Geology and Home Science are in the completion stage while the sanction for the construction of separate blocks for Microbiology, Mathematics, Psychology, and Geography is awaited

6.	Steps be taken to fill up all the vacant posts – both teaching and non-teaching.	Our college being a government college, the posts of teaching staff are filled in by the Government of Maharashtra after the candidates are recommended by the Maharashtra Public Service Commission (MPSC). Hence, it is a time-consuming process. So far, four posts of Assistant Professor are filled in the Departments of Physics, Electronics, Zoology and Sociology. Also, the recruitment of non-teaching staff is in process.
7.	Attention should be given for improving the basic facilities.	<p>The college has improved the basic facilities in the following manner:</p> <ul style="list-style-type: none"> <li>• Construction of Separate Administrative Block is completed.</li> <li>• The auditorium is renovated with the addition of new facilities.</li> <li>• Several new toilet blocks are constructed.</li> <li>• Compound walls are constructed to ensure the security of the campus.</li> <li>• Landscaping is done on the campus to create student-friendly environment.</li> <li>• Two amphitheatres have been built for various cultural activities.</li> </ul>
8.	The library has a very good collection of old and rare books. These are getting degenerated. Hence, microfilming of such books be taken out.	The college has submitted a proposal for the digitization of old library resources to the government. At the same time, the process of library automation is in the stage of completion.





**RAJARAM COLLEGE, KOLHAPUR**  
Vidyanagar, Kolhapur 416004 (India)



Est: 1880  
Accredited as NAAC "A"  
Grade College.

Phone: (0231)2537840  
Fax: (0231)2531989

Principal,  
Dr. Vasant B. Helavi,  
M. Sc., Ph. D., D.C.L.

Visit us at: <http://www.rajaramcollege.com>

E mail: [rajaramcollege@gmail.com](mailto:rajaramcollege@gmail.com)

Ref: RCK/EST/NAAC/

Date: 01/11/2015

**Declaration by the Head of the Institution**

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Dr. Vasant Baburao Helavi  
PRINCIPAL

(Signature of the Head of the Institution with seal)

(DR.VASANT BABURAO HELAVI)  
PRINCIPAL  
Government of Maharashtra  
RAJARAM COLLEGE KOLHAPUR

Place: Kolhapur

Date: 01.11.2015





Government of Maharashtra's

**RAJARAM COLLEGE, KOLHAPUR**

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Ref: RCK/EST/NAAC/

Date: 01/11/2015

### Certificate of Compliance

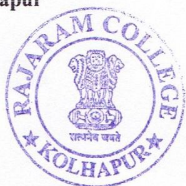
This is to certify that **Rajaram College, Kolhapur** fulfils all norms.


1. Stipulated by the affiliating University and/or
  2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc] and
  3. The affiliation and recognition [if applicable] is valid as on date.
- In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.


Date: 01.11.2015  
Place: Kolhapur



  
(Dr Vasant Baburao Helavi)  
Principal / Head of the Institution  
(Name and Signature with Office seal)  
(DR.VASANT BABURAO HELAVI)  
PRINCIPAL  
Government of Maharashtra  
RAJARAM COLLEGE KOLHAPUR



01530 SHIVAJI UNIVERSITY, KOLHAPUR



**CERTIFICATE**

This is to certify that University approval is given to **Rajaram Mahavidyalaya, Kolhapur** to conduct the following courses for the academic year 2014-15.

**ARTS, SOCIAL SCIENCE & SCIENCE FACULTY**

**BA-I Grant-in-aid Division- 2 Permanent Affiliation**  
 Govt. Approval - प्रथम पुणे विद्यापीठाशी संलग्नित व १९६२ पासून संलग्नित.  
 University Recent Approval - संलग्नता/टी-२/फा-१/११५९६, दिनांक १४/०१/१९९२.  
 Compulsory - इंग्रजी, मराठी, हिंदी.  
 Optional - इंग्रजी, मराठी, हिंदी, अर्थशास्त्र, राज्यशास्त्र, इतिहास, भूगोल, समाजशास्त्र, मानसशास्त्र, गृहशास्त्र.

**BA-II Grant-in-aid Division- 1 Permanent Affiliation**  
 Govt. Approval - प्रथम पुणे विद्यापीठाशी संलग्नित व १९६२ पासून संलग्नित.  
 University Recent Approval - संलग्नता/टी-२/फा-१/११५९६, दिनांक १४/०१/१९९२.  
 Compulsory - इंग्रजी, पर्यावरणप्रज्ञा, आव.डी.एस.- लोकप्रज्ञासन, एच.एस.आर.एम.  
 Optional - इंग्रजी, हिंदी, अर्थशास्त्र, राज्यशास्त्र, इतिहास, भूगोल, समाजशास्त्र, मानसशास्त्र, गृहशास्त्र.

**BA-III Grant-in-aid Division- 1 Permanent Affiliation**  
 Govt. Approval - प्रथम पुणे विद्यापीठाशी संलग्नित व १९६२ पासून संलग्नित.  
 University Recent Approval - संलग्नता/टी-२/फा-१/११५९६, दिनांक १४/०१/१९९२.  
 Compulsory - इंग्रजी  
 Optional - इंग्रजी, हिंदी, अर्थशास्त्र, राज्यशास्त्र, इतिहास, भूगोल, समाजशास्त्र, मानसशास्त्र, गृहशास्त्र.

**BA. Part. II & III**  
 Govt. Approval - एनजीसी २०११/(२९/११)/ मशि-४ दि.१६ मार्च, २०११  
 University Recent Approval - शिवाजीवि/संलग्नता टी-२/विद्यापरिषद नि.क्र.२४, दि.२३ जानेवारी, २०१४  
 Sub - मराठी (ऐच्छिक)

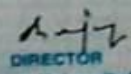
**MA-I & II Grant-in-aid Division- 1 Intake - 30 Permanent Affiliation**  
 Govt. Approval - Executive Council Sub.No. 21, dated 30/10/1979  
 University Recent Approval - P.G./BUTR/1/9802, dated 18/07/1979  
 Course - मानसशास्त्र.

**B.Sc.-I Grant-in-aid Division-2 Permanent Affiliation**  
 Govt. Approval - प्रथम पुणे विद्यापीठाशी संलग्नित व १९६२ पासून संलग्नित.  
 शामवि२००६/(२०४/०६)मशि-१दि.१९जुलै, २००६  
 University Recent Approval - संलग्नता/टी-२/फा-१/११५९६, दिनांक १४/०१/१९९२.  
 Compulsory - इंग्रजी.  
 Optional - पदार्थविज्ञान, इलेक्ट्रॉनिक्स, रसायनशास्त्र, वनस्पतीशास्त्र, सृष्टमजीवशास्त्र, प्राणीशास्त्र, भूशास्त्र, गणित, संख्याशास्त्र, औद्योगिक सृष्टमजीवशास्त्र.

**B.Sc.-II Grant-in-aid Division-2 Permanent Affiliation**  
 Govt. Approval - प्रथम पुणे विद्यापीठाशी संलग्नित व १९६२ पासून संलग्नित.  
 शामवि२००६/(२०४/०६)मशि-१दि.१९जुलै, २००६  
 University Recent Approval - संलग्नता/टी-२/फा-१/११५९६, दिनांक १४/०१/१९९२.  
 Compulsory - इंग्रजी, पर्यावरणप्रज्ञा.  
 Optional - पदार्थविज्ञान, इलेक्ट्रॉनिक्स, रसायनशास्त्र, वनस्पतीशास्त्र, सृष्टमजीवशास्त्र, प्राणीशास्त्र, भूशास्त्र, गणित, संख्याशास्त्र, औद्योगिक सृष्टमजीवशास्त्र.

**B.Sc.-III Grant-in-aid Division-2 Permanent Affiliation**  
 Govt. Approval - प्रथम पुणे विद्यापीठाशी संलग्नित व १९६२ पासून संलग्नित.  
 शामवि२००६/(२०४/०६)मशि-१दि.१९जुलै, २००६  
 University Recent Approval - संलग्नता/टी-२/फा-१/११५९६, दिनांक १४/०१/१९९२.  
 Compulsory - इंग्रजी.  
 Optional/Special - पदार्थविज्ञान, इलेक्ट्रॉनिक्स, रसायनशास्त्र, वनस्पतीशास्त्र, सृष्टमजीवशास्त्र, प्राणीशास्त्र, भूशास्त्र, गणित, संख्याशास्त्र, औद्योगिक सृष्टमजीवशास्त्र.

Place: KOLHAPUR  
 Date: - 3 JUN 2014

  
 DIRECTOR  
 Board of College & University Development

Annexure -II

Ph: 23236351, 23232701, 23237721  
23234116, 23235733, 23232317  
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)  
UGC Website: [www.ugc.ac.in](http://www.ugc.ac.in)

विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली-110 002  
UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

SPEED POST

F. No. 1-1/2004 (CPP-I)

The Principal,  
Rajaram College,  
Kolhapur – 416 004,  
Maharashtra.

**RAJARAM COLLEGE OFFICE,  
KOLHAPUR**  
Date of Receipt: 14/11/0  
Forward No.: 1367

30  
1-4-10  
26 MAR 2010  
March, 2010

**Sub: - Recognition of Rajaram College, Kolhapur – 416 004, Maharashtra, under Section 2 (f) & 12 (B) of the UGC Act, 1956.**

Sir,

With reference to your letter No. RCK/UGC/XI-Plan/1203 dated 13-08-2009 on the above subject I am directed to say that the name of **Rajaram College, Kolhapur – 416 004, Maharashtra**, is included in the list of Colleges maintained under Section 2 (f) & 12 (B) of the UGC Act, 1956 under the head Non Government Colleges teaching upto Post Graduate Degree. The College is also eligible to receive Central assistance under Section 12 (B) of the UGC Act.

Yours faithfully,

*S. Gulati*  
(Sunita Gulati)  
Section Officer

को.माने.  
*S. Gulati*  
1-4-10.

**LIST OF SUBJECTS – SYLLABUS REVISED**

<b>Programme / Course</b>	<b>Subjects</b>	<b>Paper Number</b>	<b>Revised Year</b>
B.A. I	English, Marathi, Hindi, History, Geography, Psychology, Home Science, Political Science, Economics, Sociology	I, II	June 2010 June 2013
B.A. II	English, Marathi, Hindi, History, Geography, Psychology, Home Science, Political Science, Economics, Sociology	III, IV, V, VI	June 2011 June 2014
B.A. III	English, Marathi, Hindi, History, Geography, Psychology, Home Science, Political Science, Economics, Sociology	VII, VIII, IX, X, XI, XII, XIII, XIV	June 2012, June 2015
B.Sc. I	Physics, Chemistry, Zoology, Botany, Geology, Mathematics, Electronics, Statistics, Microbiology, Industrial Microbiology	I, II, III, IV	June 2010 June 2013
B.Sc. II	Physics, Chemistry, Zoology, Botany, Geology, Mathematics, Electronics, Statistics, Microbiology, Industrial Microbiology	V, VI, VII, VIII	June 2011 June 2014
B.Sc. III	Physics, Chemistry, Zoology, Botany, Geology, Mathematics, Electronics, Statistics, Microbiology, Industrial Microbiology	IX, X, XI, XII, XIII, XIV, XV, XVI	June 2012 June 2015

**LIST OF TEACHERS WHO ATTENDED REFRESHER/ ORIENTATION COURSES**

REFRESHER				
Sr.	Name of the Teachers	Place	Date	Grade obtained
1	Deshmukh V.M.	UGC Academic Staff College, Dr. B.A.M.U., Aurangabad	07/06/2013 to 27/6/2013	A
2	Gade S.S.	UGC Academic Staff College, University of Rajasthan, Jaipur	1/7/2013 to 20/7/2013	A
3	Dr. Talap P.D	UGC Academic Staff College, Rani Durgavati Vishwavidyalaya Jabalpur.	13/5/2013 to 01/6/2013	A
4	Dr. Ms. Patil A.R.	UGC Academic Staff College, University of Kerala, Kariavattam.	19/7/2013 to 8/8/2013	A
5	Dr. Ms. Patil A.R.	UGC Academic Staff College, Savitribai Phule Pune University, Pune.	7/1/2015 to 27/1/2015	A
6	Dr. Khomane A.S.	UGC Academic Staff College, University of Pune, Pune	14/12/2010 to 3/01/2011	A
7	Ms. Lad N.N	UGC Academic Staff College, University of Mumbai, Mumbai	3/1/2011 to 22/1/2011	A
8	Dr. Kadakane R.A.	UGC Academic Staff College, Dr. B.A M.U., Aurangabad.	2/12/2014 to 22/12/2014	A
9	Dr. Ms. Bedare N.S	UGC Academic Staff College, Sant Gadge Baba Amravati university Amravati	16/7/2012 to 06/08/2012	A
10	Dr. Ms. Jadhav L.D.	UGC Academic Staff College, University of Pune, Pune	11/11/2013 to 01/12/2013	A
11	Dr. Ms. Patankar K.K.	UGC Academic Staff College, University of Hyderabad, Hyderabad	06/11/2013 to 26/11/2013	A
12	Dr. Ms. Patankar K.K.	UGC Academic Staff College, Savitribai Phule Pune University, Pune	27/10/2014 to 16/11/2014	A
13	Deshmukh V.M	UGC Academic Staff College, University of Pune, Pune	14/07/2014 to 03/08/2014	B
14	Dr.Talap P.D	UGC Academic Staff College, University of Pune, Pune	11/11/2013 to 01/12/2013	B



**List of Minor and Major Research Projects****A. List of Minor Projects: Completed**

Sr. No.	Name of the Principal Investigator	Funding agency	Year	Sanction Letter No.	Title of the project	Funds received (lakhs)
1.	Dr. Ms. L. D. Jadhav	UGC-DAE CSR	2007-2010	CSR-I/CSR_Indore/PROJ/SANC_Y2/30/2008/622 dt. 5/9/2008	Investigation on Structural and Electrical properties of Ni-GDC cermet as anode for solid oxide fuel cell	1.05
2.	Dr. Ms. A. R. Patil	UGC	2008-2010	F. No. 47-471/08(WRO) dt/ 29/12/2008	Critical Survey and study of increasing incidence of Pezizotrichum corticolum from Kolhapur District.	0.80
3.	Dr. K. A. Mali	UGC	2008-2010	F. No. 23/363/07 (WRO) dt. 20/03/2008	Cultural and Heritage tourism in Kolhapur District-A Geographical Perspective	0.65
4.	Dr. H.N. Kathare	UGC	2008-2010	F. No. 23-477/08 (WRO) dt. 10/10/2008	Role of Electricity to Agricultural Development and its importance in the context of Globalization: A case study of Khatav Thesil	0.55
5.	Dr. B. D. Bhosale	UGC	2009-2011	F. No. 47-875/09(WRO) dt. 4/09/2009	Surfactant encapsulated polyoxometalates for Catalytic Degradation of Hazardous Chemicals and Waste Water Treatment	2.00
6.	Dr. S. R. Kulkarni	UGC	2009-2011	47-673/08(WRO) dt.06/03/2009	Studies on Electrical and Magnetic properties of Al <sup>3+</sup> and In <sup>3+</sup> substituted Mn/Ni/Zn nano Ferrites	0.70
7.	Dr. Ms. Y. C. Attar	UGC	2012-2014	F.No.47-2117/11(WRO) dt. 29/02/2012	Production of IAA by Azotobacter, Rhizobium and PSB	1.61

**B. Major Projects****a. List of Completed Major Projects:**

Sr. No.	Name of the Principal Investigator	Funding agency	Year	Sanction Letter No. and date	Title of the project	Grant Received (lakhs)
1.	Dr. Ms. S. C. Patil, Dr. Ms. S. V. Toro	RG STC	2009-2012	Letter No.3 /38 /2009 Adm.5372 dt. 30/09/2009	Digitized Inventory of medicinal plant resources of Maharashtra- Ratnagiri and Sindhudurg Districts	17.24
2.	Dr. Ms. S. S. Joshi	UGC	2009-2012	F.No.35-16/2008(SR) dt. 19/03/2009	Synthesis of composite film electrodes and their application in liquefied petroleum gas sensor	10.04
3.	Dr. R. M. Kamble	UGC	2010-2013	F.38-172/2009 (S.R.) dt. 24/12/2009	Formulation, Preparation and Evaluation of Dietary fibre products with its efficacy for Cardiovascular disease in western Konkan in Maharashtra	10.06

4.	Dr. Ms. L.D. Jadhav	DAE-BRNS	2010-2013	2009/37/28/B RNS/2007 dt. 23/10/2009	Investigation on NiO-GDC/GDC structures for the development of intermediate temperature solid oxide fuel cells	14.98
5.	Dr. Ms. K.K. Patankar	UGC	2010-2013	F.No.38-173/2009 (SR) dt. 24/12/2009	Development of smart ME materials as transducers for electric power generation	5.73
6.	Dr. Ms. A.R. Patil	Govt. of Maharashtra	2012-2013	ENV-2011/51/3/8/11/2011 dt. 08/11/2011	Awareness programme for conservation and utilization on medicinal plants, wild vegetables and natural colour resources from Kolhapur district	5.00
7.	Dr. Ms. A. R. Patil	UGC	2012-2015	F.No. 41-443/2012(SR) dt. 16/07/2012	Biodiversity of Terrestrial Orchid Mycorrhiza from SW part of Maharashtra	6.36
8.	Dr. H. N. Katahre	UGC	2013-2015	F.No.5-169/2013 (HRP) dt. 11/03/2013	Contribution of Electrification in the Agricultural Development: A comparative analysis of Western Maharashtra and Vidarbha	4.55
9.	Mr. S.V. Pathare (CI)	DST-SERB	2012-2013	SR/S4/ES-592/2011 dt 09/08/2012	Hydrogeochemistry and genesis of the fluoride contaminated groundwater in Rajura, Koparna parts of Chandrapur, District Chandrapur, Maharashtra	3.50 (funding with PI's Institute)

**b. List of ongoing Major Projects**

Sr . N o.	Name of the Principal Investigator	Funding agency	Year	Sanction Letter No. and date	Title of the project	Grant Received (lakhs)
1.	Dr. Ms. L. D. Jadhav	DRDO	2012-2015	ERIP/ER/1003 824/M/01/143 6 dt. 25/07/2012	Studies on synthesis and Characterization of Nano-structured $\text{La}_{1-x}\text{Sr}_x\text{Co}_{1-y}\text{Fe}_y\text{O}_3$	3.32
2.	Dr. K. A. Mali	UGC	2013-2016	F. No. 42-75/2013(SR) dt. 01/04/2013	Heritage Ecology in the upper Krishna basin of Maharashtra-A Geographical Analysis	7.07
3.	Dr. Ms. A. R. Patil	Govt. of Maharashtra	2015-2017	ENV-2014/ No.36/3 dt.22/01/2015	Conservation of Water Reservoirs on hill forts from Kolhapur District	3.00
4.	Dr. Ms. K. K. Patankar	UGC-DAE	2015-2018	UDCSR/MU M/AO/CRS-M-203/2015/502 dt. 7/1/2015	Synthesis and characterization of rare earth doped cobalt nano ferrites for their applications in electronic and biomedical devices	2.00 (p.a)
5.	Dr. V. B. Helavi, Dr. Ms. K. K. Patil, Dr. Ms. K K. Patankar	UGC	2015-2018	F.No.-43-403/2014(SR) dt. 05/09/2015	Synthesis of Microwave sintered Ferrites from different chemical routes for applications in power generation and surface mounting technology	Not received till 30 <sup>th</sup> June 15



## Master Plan of the Institution

