

DOMBIVLI SHIKSHAN PRASARAK MANDAL'S

**K.V.PENDHARKAR COLLEGE
OF
ARTS, SCIENCE & COMMERCE**

Dombivli (East) – 421 203, Dist. Thane. Maharashtra



A Self Study Report (3rd Cycle) : VOLUME - I

Presented to

**THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
BANGALORE**

by

Prin. (Dr.) Anuradha K. Ranade

DSPM's K.V.PENDHARKAR COLLEGE, DOMBIVLI.

PREFACE

It is a great pleasure to submit the Self Study Report (Cycle-III) to the National Assessment and Accreditation Council, Bengaluru. The SSR depicts the efforts put in by all the stakeholders in achieving steady progress.

Dombivli Shikshan Prasarak Mandal was established in 1972 by twenty five elite citizens of Dombivli, representing different walks of life. With the aim of providing higher education facility to the students in Dombivli and villages in the periphery, K.V.Pendharkar College was started by Mandal in academic year 1979-80 with the formal permission of Government of Maharashtra and University of Mumbai.

K.V.Pendharkar College is one of the leading institutions, imparting higher education in the fields of Arts, Science, Commerce and Management, catering to the diverse needs of the present youth.

Dombivli is the municipal town along with the city of Kalyan. The municipal corporation comprises these two cities hence, it is known as Kalyan Dombivli Municipal Corporation. It is located at a distance of 6 kms from the city of Kalyan and 20 kms from Thane. In the post-independence period, in the wake of urbanization, Dombivli began to grow which earlier was small village. It is located on central railway line and is well connected to Mumbai by rail. The city of Dombivli is strategically located with historical importance dating back to first century B.C.

Though the college is away from railway station efficient bus service is available. Being situated in Maharashtra Industrial and Development Corporation (MIDC) area, water, electricity and transport service is easily available.

We are proud to have number of first generation learners including more than 50% girl students. Our faculties strive hard to help such students achieve academic excellence. Many of the students enrolled, have obtained their education in vernacular medium and we continue to help them in pursuing their further studies in local language even at the graduation level.

Dr. N.S.Velhankar
Coordinator

Dr. A.K.Ranade
Principal

Principal's Message

Education is a dynamic process and it changes with changing times. In view of changing scenario of higher education, quality assurance and sustenance is utmost necessary. Similarly, quality enhancement has become inevitable.

Our institution was evaluated by NAAC for the First Cycle of accreditation in February, 2004 and was accredited with B⁺⁺ grade (with institutional score 83.80). In the Second Cycle, it was accredited with B grade (with institutional score 2.93) in March 2010. As per the suggestions of the peer team, that visited our institution in February 2010, we have taken Initiatives for quality enhancement in the institution.

This Self Study Report (SSR) for Accreditation by National Assessment and Accreditation Council (NAAC) has been prepared with utmost sincerity and honesty. The details and data included in the report are true and correct to the best of our knowledge and belief. The report has been prepared according to the instructions laid down by NAAC. This SSR presents factual details of the academic and extra- curricular activities carried out at the Institute. It mainly describes the continuous efforts made by the institution,

After doing Self-Assessment now we are prepared to get evaluated by the NAAC once again i.e. for the third Cycle and welcome suggestions from the forthcoming peer team for further up gradation of the institution.

Dr. A.K. Ranade
Principal

PART-I

INSTITUTIONAL DATA

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NAAC Steering Committee

Chairperson	- Prin. Dr. Anuraddha K Ranade
Co-ordinator	- Vice Prin. Dr. N.S. Velhankar
Members	
Criterion I	- Dr. R.S. Khalkar
Criterion II	- Dr. P.A. Deodhar
Criterion III	- Dr. N.S. Suryavanshi
Criterion IV	- Vice Prin. Mr. K.P. Phalak
Criterion V	- Dr. B.T. Mukherjee
Criterion VI	- Vice Prin. Dr. M.P. Phanse
Criterion VII	- Dr. A.V. Sahasrabudhe
Management Members	
Chairman	- Shri. Prabhakar Desai
Secretary	- Dr. Sunit Upasani
External Expert	- Prin. Dr. V.N. Magare Former Director, BCUD

Executive Summary

The Dombivli Shikshan Prasarak Mandal was established in 1972 by some elite citizens of Dombivli. The philanthropic temperament moved them to do something constructive in the field of education. They had a vision of founding an ideal educational institution from which people of Dombivli and surrounding villages can benefit. This gets clearly reflected in the name of the Mandal, **‘Dombivli Shikshan Prasarak Mandal’**, the body formed to spread the education.

The founder members of the Mandal were inspired by vedic dictum **‘Tamaso Maa Jyotigamaya’** i.e. **“O! lord, lead us from the darkness of ignorance to the light of knowledge”**, which became mission statement of the Mandal. The mission statement is reflected through the emblem of the College.

The K.V.Pendharkar College is the first Degree College of its kind in the city of Dombivli. It can certainly claim credit for fulfilling academic needs of the young generation in the city and neighbouring area. The College was started in 1979. Since its inception, the college has been imparting Bachelor’s degrees in Arts, Science and Commerce faculties. It is one of the few colleges in the jurisdiction of the University of Mumbai that offers Arts courses through Marathi and English languages.

Considering the need to keep abreast with latest developments in the field of industry and their requirements, the courses in Bio-technology, Information Technology, Computer Science, Accounting and Finance, Banking & Insurance and Management Studies have been introduced at under graduate level.

The opportunity for vertical growth is provided to students by introducing post-graduation programmes in the subjects like Psychology, Botany, Chemistry, and Commerce. Research facilities and centres have been set up in departments like Botany and Chemistry and separate lab for research in Nano-Technology has also been set up.

K.V. Pendharkar College has already been accredited with B⁺⁺ (institutional score 83.80) by NAAC Bangalore in the year 2004 and re-accredited in 2010 with grade B (institutional score 2.93)

The College is permanently affiliated to University of Mumbai. It is recognised under section 2F and 12(b) of U.G.C. It imparts curriculum prescribed by University of Mumbai and takes care of its effective implementation.

Teaching learning process is enriched through interactive sessions, ICT enabled teaching survey, projects, excursions etc. Various academic forums are set up for conducting co-curricular activities to support understanding of the subject. The scheme of mentoring is introduced to deal with academic and other problems of the students.

Students' progress is monitored regularly and academic audit is conducted annually by IQAC to review teaching learning process and take corrective steps.

To make learning effective the institution plans and organize teaching learning evaluation schedule at the beginning of each semester and students are informed about the same through notices. Academic calendar is prepared in consultation with H.O.D.s of different departments. Remedial coaching is provided for the slow learners and advanced learners are provided with additional facilities and opportunities as per their capacity. Facilities like freeships, scholarships, payment of fees in installments, concessions, book bank, and Students

Aid Fund are provided for socially and economically disadvantaged students. College provides facilities to physically challenged students as per the norms laid down by the University in this regard.

Necessary facilities are provided to promote research culture among teachers and students and to carry out research. Staff members are encouraged to avail various schemes of U.G.C. and University for research purpose. They are encouraged to participate in workshops, seminars, conferences and refresher and orientation programmes to update knowledge and skills.

The results is evident as so far college has organised 29 workshops including one international and two national conferences. Total publications by the faculty are 137. Many teachers are recognised Ph.D. guides.

Adequate funding is made available for conducting curricular and extra curricular activities. The institution has proper infra structure in place for the same. College is having 41 classrooms, 27 well equipped laboratories including five computer laboratories and well maintained library catering to the growing strength of the students.

College office, Account section, Examination section and College library are also computerized. All computers on the campus are connected by LAN which is managed and controlled by high end servers installed in the server room. Computer lab, IT lab, Library, Office and Examination section have their individual network. The College has procured 51 licensed software.

To keep pace with current developments in the IT sector and to satisfy the needs of changing syllabi, the college deploys and upgrades its IT infrastructure and associated facilities. It includes hardware as well as

software. Centralized backup system and separate backup systems are installed in the library, office and examination section

College continuously monitors academic progress of the students and helps them to improve their performance. Academically weak students are identified on the basis of their performance in the continuous assessment programme and are provided additional assistance in the form of Bridge course/ remedial coaching/ extra practical sessions, special study materials and question banks, personal guidance. To arouse and maintain the interest in learning, college encourages experiential learning by organizing field and industrial visits viz. to dairies/animal husbandry centres, industries, research laboratories, higher learning institutions, field excursions and study tours.

To help students not only excel academically but in sports and other cultural aspects the institution encourages the students to participate in the same by providing necessary financial and infra structural support.

The college gymkhana is well equipped with physical fitness and indoor games equipments. To instill health awareness among students a special multi-gymnasium is available for the students. Yoga coaching is provided to girl students as a special initiative of the institution. First aid facility is also available on the campus.

To shape the careers of the students institution makes sincere efforts to encourage students to appear for competitive examinations of different kinds. The college library has a sustained collection of books and study materials to help students appearing for competitive examinations. Many faculty members informally provide guidance to

those who desire to take competitive examinations. Career and Placement Cell is active on the campus.

To nurture interest and literary qualities among students the annual magazine *Aksharvel* and some departmental magazines are published annually.

To develop leadership qualities among the students, and to make them socially responsible, NCC and NSS units as well as Rotract club – K. V. Pendharkar College (*RCKVPC*) offers a great opportunity to students.

These proactive efforts have harvested rich dividends in the form of National and International players, National and international champions, winners, including international umpires.

Quality education and all round personality development of the students are the thrust areas of the management policy. The management and staff are committed to provide quality education and strive for all round personality development of the students.

The management is focused on planning and implementation of academic programmes for improving the academic competence of the faculty members. Regular meetings take place with the top management for deciding the quality policies and plans. Necessary directions are given by management to faculty members through the Principal.

Academic excellence is achieved by giving students opportunities for vertical growth as well as by introducing courses which would enhance their employability. The students are honoured for their achievements. Critical appraisal of performance of teachers is also carried out which helps them in maintaining excellence in studies.

Management provides need based assistance to staff such as priority admissions to staff members and their wards, reimbursement of medical

bills of staff members / family members. The IQAC is functioning in the College since 2004. The institutional policies with regard to quality assurance are implemented through IQAC.

The institution through IQAC has formulated guidelines for carrying out formal internal academic audit of each department/programme. The audit is carried out by the members of IQAC. The shortcomings observed in the course of audit are forthwith shared with concerned Heads, Co-ordinators and they are asked to carry out required improvements. Best practices followed by individual departments/programmes are shared with other departments/ programme for its implementation.

The College management is very sensitive towards environmental issues. It has taken enough care to make the College building eco-friendly. The class rooms and science laboratories are adequately ventilated and well illuminated thereby reducing electricity consumption.

Institution had carried out a survey to find out the energy consumption at various locations in College premises. Electricity audit was conducted by the department of Physics during 2014-15 to know electricity consumption.

To overcome the problem of voltage fluctuation and related issues, the top management decided to install separate transformer for the college in college premises. It has reduced electricity consumption. It is expected that installation of a separate transformer will further reduce electricity consumption.

The College has installed **Sewerage Treatment Plant (STP)** with the capacity of **75 cubic meters/day**. The recycled water is sprinkled on

lawn on the campus and is used for watering plants. It is also supplied to the sister organizations located on the campus.

Best practices of the Institution

- Organizing workshops, Seminars and Conferences based on the themes beyond curriculum
- A Reader of the year award to the voracious reader

However institution is aware of the fact that quality improvement is a continuous process, so to achieve further excellence in quality, institution wishes to focus on certain areas.

The institution suffers from geographical disadvantage as the city of Dombivli is situated 49 km away from metro city Mumbai. There is always attraction among parents and students to join colleges in the metro area. So it a challenge for the institution to attract meritorious students. The institution is trying hard by providing sports facilities, introducing literary and theatre movement and by getting best of the faculty and resource persons.

Analysis of the profile of the students reveals that most of the students are from rural background having studied in vernacular medium. They also lack in communication skill, confidence and do not have the exposure like the students in the metro cities. Working hard on these students and improving their performance is the challenge for our staff.

Changes in the field of education are taking place with astonishing speed. To adopt these changes huge and continuous investment in infrastructure is necessary. College would definitely be investing in future in improving the infrastructure aligning with the latest developments.

Abbreviations:

AIDS: Acquired Immune Deficiency Syndrome
API: Academic Performance Indicator
AQAR: Annual Quality Assurance Report
ATC: Annual Training Camp
B & I: Banking and Insurance
B. Com.: Bachelor of Commerce
B.Sc. with CS: Bachelor of Science – Computer Science
B.Sc. with IT: Bachelor of Science – Information Technology
BAF: Bachelor of Accountancy and Finance
BARC: Bhaba Atomic Research Center
BCL: British Council Library
Biotech.: Bachelor of Science – Biotechnology
BMS: Bachelor of Management studies
BOS: Board of Studies
BRIMS: Basic Research Institute in the Mathematical Sciences
BSNL: Bharat Sanchar Nigam Limited
CA : Chartered Accountancy
CAP : Centralized Assessment Programme
CAT : Common Admission Test
CATC : Combined Annual Training Camp
CCTV : Closed Circuit Television
CEO : Chief Executive Officer
CET : Common Entrance Test
CNTs : Carbon Nano Tubes
CPT : Common Proficiency Test
CS : Company Secretary
CSIR : Council for scientific and Industrial research
CWA : Cost and Works Accountancy
DST : Department of Science and Technology
ETC : Entrepreneurial Training Centre
FDP : Faculty Development programme
FIP : Faculty improvement programme
FYBA : First Year Bachelor of Arts
FYBCom(A&F): First Year Bachelor of Commerce – Accounting and Finance
FYBCom (B&I): First Year Bachelor of Commerce – Banking and Insurance
FYBCom: First Year Bachelor of Commerce
FYBMS : First Year Bachelor of Management Studies
FYBSc (Biotech): First Year Bachelor of Science – Biotechnology
FYBSc (Comp. Sci): First Year Bachelor of Science – Computer Science
FYBSc (Gen): First Year Bachelor of Science – General
FYBSc (IT) : First Year Bachelor of Science – Information Technology
FYBSc: First Year Bachelor of Science
GMCS: General Management and Communication Skill

HOD : Head of the Department
ICON : Icon Analytical Equipment Pvt. Ltd
ICT : Information and Communication Technology
IDOL : Institute of Distance and Open Learning
IIRNS: Indian Institution for Research Neumesmatics Studies
IIT : Indian Institute of Technology
ILL : Inter Library Loan Service
IMS : Institute of Management Studies
IQAC : Internal Quality Assurance Cell
ITM : Institute for Technology & Management
JUO : Junior Under Officer
K V P College: K. V. Pendharkar College
KDMC: Kalyan Dombivli Municipal Corporation
L.T.A : Leave Travel Assistance
LCD : Liquid crystal display
LMC : Local Management Committee
M.Phil. : Master of Philosophy
M.Com.: Master of Commerce
M.A. : Master of Arts
MBA : Master in Business Administration
MCA : Master in Computer Applications
MIDC : Maharashtra Industrial Development Corporation
MNRE : Ministry of New and renewable energy
MoU : Memorandum of Understanding
MPSC : Maharashtra Public Service Commission
M.Sc. : Master of Science
NAAC : National Accreditation and Assessment Council
NCC : National Cadet Corps
NGO : Non-Governmental Organization
N-LIST : National Library and Information Services
NMEICT: National Mission on Education Through information and
Communication Technology
NRC : Network Resource Centre
NSS : National Service Scheme
NTC : National Trekking Camp
OHP : Overhead projectors
OPAC : Online Public Access Catalogue
PG : Post Graduate
Ph.D. : Doctorate of Philosophy
PPT : Power Point Presentation
SAF : Students' Aid Fund
SUO : Senior Under Officer
SYBA : Second Year Bachelor of Arts
SYBCom(A&F): Second Year Bachelor of Commerce – Accounting and
Finance

SYBCom(B&I) : Second Year Bachelor of Commerce – Banking and Insurance
SYBCom: Second Year Bachelor of Commerce
SYBMS : Second Year Bachelor of Management Studies
SYBSc (Biotech): Second Year Bachelor of Science – Biotechnology
SYBSc (Comp. Sci): Second Year Bachelor of Science – Computer Science
SYBSc (Gen): Second Year Bachelor of Science – General
SYBSc (IT) : Second Year Bachelor of Science – Information Technology
SYBSc: Second Year Bachelor of Science
TIFR : Tata Institute of Fundamental Research
TYBA : Third Year Bachelor of Arts
TYBCom (A&F): Third Year Bachelor of Commerce – Accounting and Finance
TYBCom (B&I): Third Year Bachelor of Commerce – Banking and Insurance
TYBCom: Third Year Bachelor of Commerce
TYBMS : Third Year Bachelor of Management Studies
TYBSc (Biotech): Third Year Bachelor of Science – Biotechnology
TYBSc (Comp. Sci): Third Year Bachelor of Science – Computer Science
TYBSc (Gen): Third Year Bachelor of Science – General
TYBSc (IT): Third Year Bachelor of Science – Information Technology
TYBSc: Third Year Bachelor of Science
UG : Under Graduate
UGC : University Grant Commission
UPSC : Union Public Service Commission
UVCT: Urivi Vikram Charitable Trust
WDC : Women Development Cell

1. Profile of the Affiliated / Constituent College

1. Name and Address of the College:

Name :	DSPM's K.V.Pendharkar College of Arts, Science and Commerce.
Address :	K.V.Pendharkar College of Arts, Science and Commerce, MIDC Area, Dombivli (East) Dist.Thane. Maharashtra. Pin Code : 421 203
City : Dombivli	Pin : 421 203 State : Maharashtra
Website :	www.kvpendharkarcollege.org

2. For Communication :

Designation	Name	Telephone With STD code	Mobile	fax	Email
Principal	Dr. A.K. Ranade	O:02512471832 02512473282 R:02512301584	9820596112	02512800631	seniorcollege@kvpcollege.org
Vice Principal	2. Dr. M.P. Phanse 3. Mr. K.P. Phalak 4. Dr. N.S. Velhankar		8691022331 8691022332 8691022334		mansiphanse@gmail.com kishorphalak@gmail.com velhankar.nandini1@gmail.com
Steering Committee Co-ordinator	Dr. N.S. Velhankar	O:02512473282	8691022334		velhankar.nandini1@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.

6. Sources of funding:

- Government
- Grant-in-aid
- Self-financing
- Any other

7. a. Date of establishment of the College: **11.07.1979**

b. University to which the college is affiliated/or which governs the College (If it is a constituent college)

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i. 2(f)	01/04/1995	...
ii. 12 (B)	01/04/1995	...

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

d. Details of recognition/approval by statutory/regulatory bodies

other than UGC (AICTE,NCTE,MCI,DCI,PCI,RCI etc.) : NA

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)
- b. 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.	1067
Built up area in sq. mts.	9901.27

(* 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
- Sports facilities
 - ❖ Play ground
 - ❖ Swimming pool
 - ❖ Gymnasium
 - ❖ Shooting Range
- Hostel
 - ❖ Boys' hostel
 - i. Number of hostels
 - ii. Number of inmates
 - iii. Facilities (mention available facilities)
 - ❖ Girls' hostel
 - i. Number of hostels
 - ii. Number of inmates
 - iii. Facilities (mention available facilities)
 - ❖ Working women's hostel
 - i. Number of inmates
 - ii. Facilities (mention available facilities)

- Residential facilities for teaching and non-teaching staff (give numbers available – cadre wise)
- Cafeteria –
- Health centre-
First aid, Inpatient, Outpatient, Emergency care facility, Ambulance.....
Health centre staff –
Qualified Doctor Full time Part-time
Qualified Nurse Full time Part-time
- Facilities like banking, post office, book shops
- Transport facilities to cater to the needs of students and staff
- Animal house
- Biological waste disposal
- Generator or other facility for management/regulation of electricity and voltage
- Solid waste management facility
- Waste water management
- Water harvesting

12. Details of programmes offered by the college (Give data for current academic year)

Sl. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned Student Strength	Number of students admitted
i)	Under-graduate Aided Course	B.A.	3 Yrs	H.S.C.	English & Marathi	720	443
		B.Sc.(Gen)	3 Yrs	H.S.C.	English	360	271
		B.Com.	3Yrs	H.S.C.	English	1320	1214
ii)	Under-graduate Unaided Course	B.Sc. - Comp.Sci.	3 Yrs	H.S.C.	English	180	132
		B.Sc. Bio-Tech.	3 Yrs	H.S.C.	English	105	94
		B.Sc. -I.T.	3 Yrs	H.S.C.	English	180	139
		B.Com.– Bnk.& Ins.	3 Yrs	H.S.C.	English	360	297
		B.Com.- A & F	3 Yrs	H.S.C.	English	180	170
		B.M.S.	3 Yrs	H.S.C.	English	360	315

iii)	Post-graduate Unaided Course	M.A. Psychology	2 Yrs	B.A. Psychology	English	20	11
		M.Sc. Chemistry	2 Yrs	B.Sc.	English	40	18
		M.Com.	2 Yrs	B.Com.	English	120	76
iii)	M.Phil	...	...	...	...	...	...
iv)	Ph. D.	Botany		M.Sc.	English	10	10
		Chemistry		M.Sc.	English	05	05
v)	Certificate course	Bioinformatics	1 Yr	H.S.C.	English	40	15
		Retail Marketing	1 Yr	H.S.C.	English	40	05
vi)	UG Diploma	...	...	...	...	...	...
vii)	PG Diploma	...	...	...	...	...	...
viii)	Any Other (specify)	...	...	...	...	...	...

13. Does the college offer self-financed Programmes?

Yes No

If yes, how many? 09

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

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Number	03
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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	UG	PG	Research
Science	Botany Chemistry Zoology Computer Science Bio-technology Information Technology	Botany Chemistry	Botany Chemistry
Arts	Economics English Literature Geography History Marathi Literature Psychology	Psychology	

Commerce	Commerce Banking & Insurance Accounting & Finance Bachelor of Management Studies	Accountancy	
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16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com...)

- a. annual system 02
- b. semester system 20
- c. trimester system ---

17. Number of Programmes with

- a. Choice Based Credit System ---
- b. Inter/Multidisciplinary Approach ---
- c. Any other (specify and provide details) 20

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 : _____ (dd/mm/yyyy)
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 : _____

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

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

Categories	2010-11		2011-12		2012-13		2013-14	
	M	F	M	F	M	F	M	F
SC	215	276	234	288	212	296	183	245
ST	24	44	26	34	20	37	20	34
OBC	394	416	414	420	390	411	348	382
General	744	917	645	833	757	879	781	952
Others	96	81	78	86	75	98	60	88

24. Details on students enrolment in the college during the current academic year:

Type of students	UG	PG	M.Phil.	Ph.D.	Total
Students from the same state where the college is located	3066	105	...	15	3186
Students from other states of India	09	...	...	...	09
NRI students	00	...	...	...	00
Foreign students	00	...	...	...	00
Total	3075	105	...	15	3195

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

UG PG

26. Unit Cost of Education

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

(a) including the salary component

(b) excluding the salary component

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

32. Number of teaching days during the last academic year 180
(Teaching days mean days on which lectures were engaged
excluding the examination days)
33. Date of establishment of Internal Quality Assurance Cell (IQAC)
IQAC **01.07.2004**
34. Details regarding submission of Annual Quality Assurance Reports
(AQAR) to NAAC.
AQAR (i) **October 2011**
AQAR (ii) **08.05.2013**
AQAR (iii) **29.05.2014**
AQAR (iv) **14.07.2015**
35. Any other relevant data (not covered above) the college would like
to include. (Do not include explanatory / descriptive information)

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 Statement

We aspire to be a model institution of higher education, an ideal centre of learning catering to the multiple needs of students' fraternity, shaping their overall personality, creating a healthy teaching-learning atmosphere to make students morally conscious, socially responsible human beings and to enhance their employability.

Mission Statement

Academic excellence is essential but it is not enough. It should be guided by conscience. The journey should be from darkness of ignorance to light of knowledge and from unrighteous to righteous actions.

Dombivli Shikshan Prasarak Mandal was established in 1972 by some elite citizens of Dombivli. They had a vision of founding an ideal institution for *spreading knowledge in the city of Dombivli and villages in its vicinity*. The founder members of the Mandal were inspired by the Vedic dictum '**Tamaso Maa Jyotirgamaya**' i.e. "O! Lord, lead us from the darkness of ignorance to the light of knowledge."

The institution's logo contains a peacock with feathers spread out and a lighted lamp inside a wheel. The Peacock is a vehicle of Goddess Saraswati, the deity of learning and knowledge. The lighted lamp stands for the spread of knowledge in all directions. Thus the peacock and the lamp both stand for the mission statement of the institution which is to impart knowledge to all irrespective of class, caste and religion. The Mandal has been working ceaselessly on the mission for last forty three years and has created an enviable record in the field of education in the city of Dombivli.

The Mission statement of the institution '**Tamaso Maa Jyotirgamaya**' is communicated to students, teachers, staff and other stakeholders in the following ways:

- It is displayed at the entrance of two buildings belonging to the institution.
- The logo of the College containing the mission statement is printed on College prospectus and the letter heads.
- The Mission statement also appears on the website with its meaning. Management and the College have been striving together for achieving the following objectives:

- To provide facilities for higher education.
- To develop spirit of inquiry, scientific temper and multidisciplinary approach.
- To cultivate communication skills along with other soft skills.
- To spread computer literacy and the use of Information Technology.
- To promote awareness of our national heritage.
- To create sensitivity to contemporary Socio-Political issues of national and international importance.
- To motivate to practice moral values.

These objectives are achieved by implementing academic programmes, and by conducting a variety of co-curricular and extracurricular activities. These objectives are hosted on institution's website.

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).

The institution has developed a highly effective action plan and has been deploying it for several years.

- The Master time-table is prepared and the copy thereof is available with the Principal and Vice-Principals.
- At the beginning of the Semester the Head of every department assesses the area of specialization of the faculty and accordingly allots to its members the topics to be taught in the Semester. The departmental and subject-wise time-table is prepared and displayed in the respective departments. For Science stream time-table of laboratory sessions is also displayed along with the time-table of theory subjects.
- Every department prepares and displays its academic calendar in the department to disseminate in advance information about curricular and co-curricular activities.
- Every teaching faculty has his/her personal time-table.
- The faculty prepares the term-wise teaching plan.
- The faculty also maintains the academic diary.
- The Head of every department holds frequent departmental meetings and takes the review of the syllabi to be completed as per the teaching plan.
- The Principal calls frequent meetings of all Heads of departments to take the review of curricular and co-curricular activities.

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?

Support from the University

- Invites scholars and experienced teachers for framing the syllabi of different subjects. The syllabus framing committee invites suggestions from the faculty and considers them while framing and revising the syllabus.
- Hosts the copies of curriculum and sends the circulars informing the staff members about change in the syllabus and also hosts course wise syllabus on its website.
- Sends copies of the curriculum to all Colleges affiliated to the University of Mumbai.
- It jointly organizes workshops with affiliated Colleges whenever the syllabus is revised.
- Guidelines are prepared for conducting laboratory sessions for certain subjects whenever there is change in syllabus.
- The University with the help of the Academic Staff Colleges arranges for the faculty orientation programmes and refresher courses in contemporary and emerging areas.

Support from the Institution

Academic Support

- Head of each department arranges meetings for discussing newly introduced syllabi.
- For improving their teaching capability, the teachers are encouraged to attend orientation programmes, refresher courses, workshops and seminars arranged by the Board of Studies of the University and by other Colleges affiliated to the University.
- Academic Audit is conducted annually to discuss completion of syllabus, question paper pattern, newly added facilities, up-gradation of infrastructure and future plans.

Technical Support

- The institution provides budgetary support for equipping the library according to changes in syllabi. Additional budget is sanctioned for reference books and text books of subjects where curriculum has changed.
- It provides the faculty necessary audio- visuals aids such as over head projectors (OHP), Computers, LCD.
- It has developed well equipped laboratories for science subjects and some branches of the faculty of Arts.
- It provides internet access to all departments. A special Internet room is also available to students. Internet browsing is encouraged to enable students to study beyond prescribed textbooks.
- References to E-learning resources are provided by the College library.

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 has set up various academic forums through which the curriculum is conveyed and conducted for the students.

- The institution conducts Bridge Courses for the students in order to introduce to them the syllabus and the Credit Based Semester Grading System.
- At the beginning of each Semester, Induction programme is held for giving information about the scope of the syllabus, internal and Semester-end examinations. Introductory lectures are conducted for each subject.
- Periodic internal tests are conducted for improving students' performance.
- The syllabus is completed as per the teaching plan.
- Slow learners are identified and remedial coaching is provided to weaker students.
- Advanced learners are identified and provided with additional library facilities and are also encouraged to write research papers to present in workshops and seminars.
- Reference books are made available along with prescribed textbooks.
- Special lectures are conducted for improving understanding of the students.
- Regular field visits are conducted for students to demonstrate practical application of theory.
- College library organizes subject wise exhibition of books which it stacks.
- Students are encouraged to contribute in departmental magazine.

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

The Institution interacts with the

1. Industry by –

- Arranging industrial visits
- Establishing Memorandum of Understanding (MoU) with different industries.
- Arranging campus interviews by prestigious industries through the placement cell.
- Conducting lectures, demonstrations by experts.

2. Research bodies

- By establishing research promotion committee and signing MoU with research institute.
- Encourage the faculty to undertake major and minor research projects funded by the University of Mumbai and UGC.
- Provides relevant information about research bodies, scholarships, fellowships and grants.
- Encouraged to take up research work under the Faculty Development Programme of UGC.
- Arranging field visits to industry and institutes to gain practical experience.
- Conduct lecture series on dedicated subjects by eminent research scholars.
- Encouraging the faculty to present Research Papers at State, National and International Conferences and publish the same in peer reviewed journals.

3. University by–

- Encouraging the teaching staff members to participate actively in the academic activities of the University by becoming the members of the Board of Studies.
- Inspire the faculty to become members in the Syllabus Framing Committee of the University.
- Motivate the faculty to participate in Seminars, Workshops, Conferences, Orientation Programmes, Refresher Courses arranged by various bodies of the University.

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.

Many faculty members have contributed to designing the syllabi of different subjects. They have worked as members of the Board of Studies and the Syllabus Framing Committees of the University of Mumbai. The details are as given below.

Number of teachers working as Member of the Board of Studies and Syllabus Framing Committee:

Sr. No.	Department	Board of Studies	Syllabus Framing Committee
1	Psychology	01	01
2	History	--	01
3	Botany	01	02
4	Chemistry	01	04
5	Zoology	01	01

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.

The institution has been offering and has developed the curriculum for several Bridge/Certificate courses other than those under the purview of the affiliating University. The details of the same are as below:

Sr.No.	Name of the Department	Title of the Course offered
1.	Economics	Certificate Course in Entrepreneurship Development.
2.	English	Certificate course in Verbal Communication
3.	History	Certificate courses in Sources of Indian History and in Buddhist studies.
4.	Psychology	Certificate Course in Mental Disorders
5.	Botany	Certificate course in Fruit Preservation
6.	Chemistry	Certificate Course in Industrial and Analytical Chemistry
7.	B.M.S	Certificate Course in General Commercial Knowledge & Management
8.	B&I	Certificate Course in Management Aspects of Banking & Insurance

The courses are planned and designed keeping in view the needs of industry and market situation which are identified by various faculties. Enrichment of knowledge and enhancing employability of students are at the focus of each course. Accordingly different departments prepare the drafts of the course and submit it to IQAC Co-ordinator. After getting approval from IQAC Co-ordinator the course actually starts.

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

- The College strives to attain the objectives of curriculum through its various academic, curricular and extra-curricular activities and programmes.
- The teaching and learning programmes are supplemented with some add on /short term certificate courses confining within the larger framework set by the University of Mumbai.
- During the period of these courses continuous feedback is obtained from the students.
- Students' needs are taken into account while selecting the courses and optional papers.
- General objectives of the curriculum as given in the preamble of syllabus are attained through various academic programmes and activities of various committees.

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.

The College offers the following academic certificate and skill development courses on approval of the University.

Sr. No.	Name of the Department	Title of the course offered	Objectives of the Course
1.	Economics	Certificate Course in Entrepreneurship Development.	Hands on training and additional practical knowledge about Entrepreneurship.
2.	English	Certificate course in Verbal Communication.	To improve communication skills.
3.	History	Certificate course in sources of Indian History.	To make the students familiar with the elements of historical methods and sources of History.
		Certificate course in Buddhist studies.	To give basic introduction of Buddhisim which can help them to understand this great religious tradition.
4.	Psychology	Manovedh (on Mental Disorder)	To make students familiar with mental disorders with the help of relevant films.

5.	Botany	Certificate course in Fruit Preservation.	To develop entrepreneurial skills.
6.	Chemistry	Certificate Course in Industrial and Analytical Chemistry.	To make the students understand current requirement of the industries.
7.	Physics	Certificate Course in Physics Practical.	To link theory with practical.
8.	Bachelor of Management Studies	Certificate Course in General, Commercial Knowledge & Management.	To equip students with sound academics and ever evolving field requirements.
9.	B.Com. (Banking & Insurance)	Certificate Course in Management Aspects of Banking & Insurance.	To enrich the students with co-curricular aspects and practical knowledge.
10.	Accountancy and Accounting & Finance	Certificate Course in Taxation.	To get proficiency in taxation.

College also runs some add-on courses in the premises for the benefit of the students to help them expand their horizons of knowledge. These courses are run with the help of some external institutions. The details are as follows:

Add- on courses

Sr.No.	Name of the Course	Objectives
1.	Retail Marketing (recognized by Mumbai University).	To get acquainted with changing concepts of retailing.
2.	Bio-informatics (recognized by Mumbai University).	To develop analytical skills.
3.	Certificate Course of Yoga and Breathing exercises for girls (supported by Art of Living Institute).	To have fit mind in a fit body.

1.2.2 Does the institution offer programmes that facilitate twinning /dual degree? If 'yes', give details.

No. The University of Mumbai has not offered such programmes in last 5 years.

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 skill development, academic mobility, progression to higher studies and improved potential for employability.

• **Credit Based Semester Grading System and range of subject options –**

The following core and elective options with Credit Based Semester Grading System are offered for the Benefit of the students.

Sr. No.	Title	Arts	Science	Commerce
1.	Core Options	UG- 1.Marathi Literature 2.English Literature 3. History 4. Economics 5. Psychology 6. Geography	UG- 1. Physics 2. Chemistry 3. Botany 4. Zoology 5. Biotechnology 6. Computer Science 7. Information Technology	UG- 1. Financial Accounting and Auditing. 2. Bachelor of Management Studies. 3. B.Com. Banking and Insurance. 4. B.Com. Accounting and Finance.
		PG 1. Psychology	PG 1. Botany 2. Chemistry	PG 1. Accountancy
2.	Elective Options	At First year: 1.Marathi 2.Hindi At Third year: Any one of the core option can be selected as elective option.	First and Second year : 1.Mathematics 2.Statistics Third Year: Any one of the core option can be selected as elective option.	1.Direct and Indirect Tax. 2.Computer System & Applications. 3.Special Studies in Finance and Special Studies in Marketing in TYBMS.
3.	Inter disciplinary course	Two papers of Foundation course	Two papers of Foundation course.	Two papers of Foundation course.
4.	Add on course	-	Certificate course in Bioinformatics.	Certificate course in Retail Marketing.

- Credit transfer and accumulation facility:**
The College has a credit accumulation facility as per the circular of the University of Mumbai since the academic year 2011-12. As per the present Credit Based Semester Grading System the credits at First and Second Years are transferred to the Third Year of the degree program. They are accumulated at the Third Year and accordingly a cumulative grade is awarded.
- Lateral and vertical mobility within and across programmes and courses:**
Lateral mobility is possible if students enroll for career-oriented, Add-on courses. Students from Commerce stream are also permitted to pursue professional degrees such as C.A. and C.S. while doing their graduation.
- Vertical mobility options are also available:**
There are number of Post-graduate programmes in Arts, Science and Commerce streams and research programmes in Commerce and Science streams which help students to attain vertical mobility.
- Enrichment Courses –**
The College has conducted several Certificate courses in different subjects, and for students pursuing C.A. course. C.A. Orientation programme and G.M.C.S. programmes are conducted for enriching students' knowledge base.

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.

List of Self-financed programmes:

Sr. No.	Faculty	Programmes at U.G.	Programmes at P.G.
1.	Science	1. B.Sc. Biotechnology 2. B.Sc. Computer Science 3. B.Sc. Information Technology	M.Sc. Chemistry (By Papers)
2.	Arts	---	M.A. Psychology
3.	Commerce	1. Bachelor of Management Studies. 2. B.Com. Banking and Insurance 3. B.Com. Accounting and Finance	M.Com. Advanced Accountancy

Distinctive features of self-financed programmes:

Sr. No.	Component	Features
1.	Admission	Minimum percentage at 12 th standard as prescribed by the University is : For B.M.S., B&I, B.A.F, B.Sc. IT - 40% for students from reserved category and 45% for open category. Besides for Biotechnology the applicant should have opted for Mathematics in 12 th standard.
2.	Curriculum	Prescribed by the respective Board of Studies in the University of Mumbai.
3.	Teacher Qualification	As prescribed by UGC and University of Mumbai.
4.	Salary	Commensurate with qualification and experience of the teacher.

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.

Sr. No.	Name of Programme	Type of Skills	Beneficiaries
1.	Retail Marketing	Marketing Management	Students of all three streams
2.	Bioinformatics	Analytical Skills	Science Students
3.	Yoga for Girls	Ability to Concentrate	Students of all three streams

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?

The University does not provide for the flexibility of combining the traditional face to face and distance mode of education for students to select the course combination of their choice. However, students can take admission in Institute of Distance and Open Learning (IDOL) after they complete the first or second year in regular College and vice versa.

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?

Efforts made by the institution

- 1 The College library adds a lot of reference books in various subjects every year. It provides several Learning and E-learning resources to the faculty as well as students. This is an effort to motivate them to develop research aptitude.
- 2 The institution provides unlimited internet access to the faculty and students to encourage them to access up-to-date information on the subject of their choice.
- 3 Methods used for Teaching and Learning programmes are modified within the larger framework set by the University.
- 4 While selecting the courses and optional papers, needs of the students as well as prospects in the job market are taken into account.
- 5 While introducing new courses feedback is obtained from the past and present students.
- 6 Allied Curricular, Co-curricular and Extra-curricular activities are conducted to supplement the University curriculum.
- 7 Before introducing new course the College conducts orientation and counseling session for the students and the parents.
- 8 Promoting outreach activities by NSS, NCC ensure development of students into socio-morally responsible citizens.
- 9 The faculty of the College attends meetings convened by the Board of Studies and presents their views on the revision and redesigning of curriculum.
- 10 At the University level, the faculty members are involved in paper setting, Internal and Semester-end theory and practical examinations and Assessment of answer books.

1.3.2 What are the efforts made by the institution to modify, enrich and organize the curriculum to explicitly reflect the experiences of the students and cater to needs of the dynamic employment market?

The institution has no authority to modify the curriculum framed and notified by the University. The Institution along with the Board of Studies of the University organizes workshops on revised syllabus to discuss its scope and teaching methods to be adopted. The participants

share their experiences about the old syllabus and discuss the revised version in view of examinations and evaluation of students. In certain situations the members of the board of studies conduct meetings prior to the revision of the syllabus in order to have feedback from the faculty across all geographic areas under the fold of the University of Mumbai. All valid suggestions are duly considered while revising the syllabi. Several staff members from the College including the Principal have contributed to framing syllabi of different subjects. They have acted as members of the Board of Studies, the Academic Council and the syllabus-framing committees of the University of Mumbai and have voiced their opinions in framing the syllabi. Ten departments have introduced short term certificate courses to enrich the curriculum of their subjects and to fulfill the needs of the job market.

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?

The institution conducts curricular activities as envisaged by the University on the topics like gender- bias, climate change, fundamental rights etc. Environmental Education and Human Rights are already incorporated by the Board of Studies into the curricula of the Foundation Course, the Environmental Studies, and Geography etc.

Cross cutting issues

1. Gender –Sensitive approach toward female students:

- Gender sensitization programmes organized by Women Development Cell (WDC) help to remove gender bias among the students.
- Students' Grievances Redressal Committee along with other grievances deals with gender related issues with the help of Women Development Cell.
- Vishakha Guidelines for prevention of sexual harassment at work place are used by WDC to handle such case.

2. Climate Change and Environmental Education

- Lectures arranged by Social Sciences Associations, Science Association for creating environmental awareness.
- Periodic Green Audits of the area.
- Programmes such as lectures, street plays, arranged by bodies such as NSS and NCC.
- Five different surveys undertaken to study the factors impacting environmental changes.

- Special lecture and exhibition on weather conditions and climate change is arranged every year by the department of Geography on the World Geography Day (14th January).

3. Human Rights

Introduction to Human Rights as a part of curriculum at Second Year Degree level for all streams.

4. Information and communication technology

College offers :

- B.Sc. IT and Computer Science
- Optional paper “Computer Applications to Economics” at T.Y.B.A.
- “Computer System and Application” at T.Y.B.Com.
- UGC sponsored Certificate Course in “Bioinformatics” for students of Science stream.

Infrastructural support:

- Well-equipped Computer labs
- Internet facility
- e-books, e-learning,

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

Following are the enrichment programmes offered by the institution:

Sr. No.	Holistic Development of Students	Value added and enrichment programmes
1.	Moral and ethical values	1. Thought-provoking lectures on value –education by eminent scholars and scientists organized by Social Sciences Association, Sciences Association, Staff Academy, NCC, NSS. 2. NGO visits and preparation of documentary related to social issues by BMS students.
2.	Employability and life skills	1.Placement& Career Guidance Cell 2.Campus interviews and link with neighboring industries 3.Organising career fair 4.Debating Association 5.NSS, NCC, Gymkhana 6.Youth Festival
3.	Better Career options	1.C.A. orientation and GMCS courses conducted by the Institute of Chartered Accountants of India. 2. NCC 3. Seminars and workshops by Management Institutes.

		4. Career Fest 5. Career exhibition by the department of Psychology. 6. Career guidance workshop by Wellingkar Institute.
4	Community Orientation	1. Social Outreach Programmes by NSS Units. 2. Social Service Programmes by NCC Units. 3. Save Water Survey and green audit 4. Survey on Problems in KDMC area by BMS students. 5. Blood-checkups of female students 6. Psycho testing of school children
5	Sports and Fitness	1. Yoga Course for female students. 2. Health Club open to all. 3. Gun Shooting Range open to all.

1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

The College obtains the feedback from various stakeholders such as:

- | | | |
|-------------|--------------|-------------------|
| 1. Students | 2. Alumni | 3. Academic peers |
| 4. Parents | 5. Community | 6. Employers |

Sr. No.	Stakeholder	Procedure
1.	Students	A questionnaire on different aspects and relevance of the current curriculum is prepared and students are asked to answer and express their views.
2.	Alumni	They forward their feedback during departmental meetings
3.	Academic Peers	University has formed a cluster of neighboring colleges for the purpose of assessment and moderation work. In this way teachers of various colleges get an opportunity to interact and discuss issues related to curriculum, question paper pattern, manner of evaluation etc. The centralized programme arranged by the University for the assessment of the T.Y class also provides a common forum for the teachers of all colleges to talk on various academic issues. Special Seminars and Workshops are arranged by several Colleges and the University for discussing the scope of curriculum.
4	Parents	The College arranges periodic meetings with parents where they share their views on the curriculum and other matters of their interest.

5	Community	Based on the views expressed in Electronic and Print media about the present education system, the institution tries to implement certain programmes which are supplementary to various ongoing programmes.
6	Employers	College being situated in industrial area, students are asked to take up projects, conduct surveys in these areas. Through their interaction with the employers and the managerial staff institution gathers their views about present curriculum. The College has signed MoUs with Industries and in the course of discussion with key persons; a feedback is obtained on value addition to the existing programmes thereby increasing their employability. During campus interviews and training programmes feedback is obtained from the professionals about the curriculum.

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

Feedback from students, alumni, academic peers, parents, community and employers is analyzed.

IQAC and the Principal by interacting with concerned students and the faculty monitor and evaluate the Short-Term Courses introduced by different departments.

1.4 Feedback System

1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

Faculty members have contributed to designing the curriculum of different subjects. They have worked as members of the Board of Studies, the Academic Council and the Syllabus Framing Committees of the University. The details of their contributions are as stated below:

Members of the Syllabus Framing Committee

Sr.No.	Name of the Teacher	Subject	Class	Year
1.	Dr. A. K. Ranade	History	T.Y.B.A. M.A.	2012-13 2012-13
2.	Ms. A.S. Munje	Psychology	T.Y.B.A.	2014-15
3.	Dr. A.P. Dixit	Botany	T.Y.B.Sc.	2013-14
4.	Dr. N. W. Shinde	Botany	S.Y.B.Sc.	2014-15
5.	Dr. N. S. Suryavanshi	Botany	F.Y.B.Sc.	2012-13

6.	Dr. A.S. Dhokane	Chemistry	T.Y.B.Sc. M.Sc.-I M.Sc.-II	2011-12 2012-13 2013-14
7.	Dr. P. C. Patil	Chemistry	T.Y.B.Sc. F.Y.B.Sc. S.Y.B.Sc.	2011-12 2014-15 2015-16
8.	Ms. P. S. Sathe	Chemistry	T.Y.B.Sc. F.Y.B.Sc. S.Y.B.Sc.	2011-12 2014-15 2015-16
9.	Dr. B. T. Mukherjee	Chemistry	T.Y.B.Sc. S.Y.B.Sc.	2011-12 2014-15
10.	Dr. M. P. Phanse	Zoology	M.Sc. Part I T.Y.B.Sc.	2011-12 2012-13

Also, the outcome of conferences held from time to time is conveyed to the Board of studies so that relevant information is incorporated in curricula.

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?

There is a formal mechanism to obtain feedback from students and parents. It is also obtained from alumni, academic peers and community through informal means such as personal meetings, interactions, training programmes and campus interviews. It is communicated to the University and used for curricular enrichment, introducing changes and designing new programmes in the following ways:

- Special Seminars and Workshops are organized jointly by the College and the University to discuss changes introduced in the syllabus.
- The members of the Board of Studies and Syllabus Framing Committees give their feedback at University level which is considered while revising syllabus.
- A Certificate Programme in Retail Marketing, in Bioinformatics and Post Graduate Diploma in Counseling are also newly launched.

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

New courses introduced by the college during last four years

Sr. No.	Name of Course	Rationale
1	Bioinformatics (PG)	To provide opportunity to undergraduate students to acquire knowledge in Bioinformatics-an upcoming branch that combines Biology and Information Technology.
2	M.Com. in Advanced Accountancy	Students of Commerce Faculty could acquire B.Com. degree in Financial Accounting and Auditing. In order to enable them to continue their study up to PG level this course was started.
3	B.Com in Accounting and Finance	Commerce students could study Accounting and Finance as a part of three year integrated course.–This three year degree course helped them acquire specialization in Accountancy and Finance is started.
4	Certificate course in Retail Marketing	Students of Commerce faculty acquire theoretical knowledge about trade and marketing. This course provides them practical knowledge about an upcoming branch of high employability.

Any other relevant information regarding curricular aspects which the college would like to include.

- The institution arranges educational programmes such as lectures by educationists, eminent scholars, scientists to create and maintain academic atmosphere on the campus.
- The institution extends the ‘Vice Chancellor’s Book Bank Scheme’ to the teaching and non-teaching staff.
- The Library of the institution offers the Book Bank facility and Financial Assistance to the needy students through ‘Students Aid Fund’.
- The Library offers services to ex-students and also to outhouse researchers.
- The institution has established a separate ‘Career and Placement Cell’ which has created a network with banking sector and industries in the vicinity. Campus interviews are arranged at the end of the year for the final year students of all three faculties and a number of students are placed.
- Twelve departments in the college have In-house departmental publications which contain articles and research papers by the faculty and the students.
- The department of Psychology has a Counseling Centre for students and also entertains students from other institutions.

Criterion – II : Teaching Learning and Evaluation

2.1 Student Enrolment and Profile:

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

College runs the following courses,

Courses	Subjects of specialisation
B.A.	Economics, Psychology, History (All subjects in English and Marathi medium) Geography(Marathi medium) ,Marathi Literature, English Literature
B. Com.	General B. Com., Banking & Insurance, Accounting & Finance
B. Sc.	Botany, Chemistry, Physics, Zoology, Computer Science, Information Technology, Biotechnology
B.M.S.	Marketing, Finance
M.Com.	Advanced Accountancy
M.A.	Psychology
M.Sc.	Inorganic Chemistry (by Papers),Inorganic and Organic (by research), Botany (by research)
Ph. D.	Accountancy, Botany, Chemistry, Physics

- **Publicity of admission process:**

- ❖ **Prospectus:**

Before the commencement of new academic year, prospectus is updated with detailed information about the college, the courses offered and the infrastructural facilities.

It provides information on eligibility criteria and requisite documents for admission to each course. It enlists subject combinations for three years programmes in Arts Science and Commerce streams. The information about self-financing courses and research facilities leading to Ph. D. is also included in the prospectus.

It also provides information about support facilities like Gymkhana, Library, Internet centre, Students' Aid Fund (SAF), details of Government scholarships, fee waivers of various sorts, rules and regulations related to fee waivers, institutional and endowment prizes for rank holders etc.

- ❖ **Institutional Website:**

In addition to issuing of prospectus, the institution has developed its website: <http://www.kvpcollege.org> for the convenience of students and parents. Apart from the above information mentioned in the prospectus the website also includes information about Ph.D

subjects and approved research guides. The website is updated from time to time.

- ❖ **Electronic media:** Publicity about the admissions to various courses is released on local cable network.

- **Transparency in admission process:**

The Institution follows all the norms for admissions laid down by the University of Mumbai and Government of Maharashtra. It follows the guidelines regarding reservations for all categories. In order to ensure transparency, the Principal appoints an admission committee and gives briefing about the smooth functioning of the process. At the end of the initial phase of admission process, committee reports the principal about the number of applications received and number of seats admitted. In addition to this, the college also displays various notices regarding admission process. Merit lists are displayed on the notice board and required time is given to seek admission. The closing date of admission as per University guidelines is also clearly stated. Thus transparency in the admission process is ensured.

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 programs of the Institution.

The Institution is affiliated to the University of Mumbai and follows all the norms for admission laid down by the University. No separate entrance test is required by the Institution.

Admission to UG and PG Courses:

Admissions are given strictly on merit basis for all UG and PG Courses for which grades in previous qualifying examination are considered.

The admission forms are scrutinized by the members of the admission committee and the merit lists are prepared as per the rules laid down by the University of Mumbai and the State Government. It follows guidelines regarding reservation for all categories.

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

As stated above, admissions for UG and PG programmes are given on merit basis. Students who fulfill the criteria for admission as per the University norms are admitted. The following table indicates the percentage of marks at entry level at KVP College and at other institutions in the vicinity:

Year	Name of the Course	Percentage at Entry Level Pendharkar College		Percentage at Entry Level Model College	
		Min	Max	Min	Max
2010-11	F.Y.B.A.	42	84	...	...
	F.Y.B.Sc. (Gen)	41	92	...	...
	F.Y.B. Sc. (Biotech)	44	77	...	...
	F.Y.B. Sc. (Comp.Sci.)	35	81	44.17	79.50
	F.Y.B. Sc. (IT)	44	74	43.67	87.50
	F.Y. B.Com	40	84	48.00	89.83
	F.Y. B.Com (A&F)	-	-	77.67	93.75
	F.Y. B.Com (B&I)	45	78	71.83	77.33
	F.Y.B.M.S.	41	81	75.83	83.00
2011-12	F.Y.B.A.	35	75	...	...
	F.Y.B.Sc. (Gen)	35	89	...	...
	F.Y.B. Sc. (Biotech)	43	78	...	...
	F.Y.B. Sc. (Comp.Sci.)	42	68	50.67	75.00
	F.Y.B. Sc. (IT)	42	75	44.17	83.00
	F.Y. B.Com	35	76	41.00	83.50
	F.Y. B.Com (A&F)	-	-	74.00	83.00
	F.Y. B.Com (B&I)	42	77	67.67	82.67
	F.Y.B.M.S.	43	82	64.83	76.83
2012-13	F.Y.B.A.	35	79	...	...
	F.Y.B.Sc. (Gen)	35	85	...	...
	F.Y.B. Sc. (Biotech)	48	80	...	...
	F.Y.B. Sc. (Comp.Sci.)	35	70	42.00	75.01
	F.Y.B. Sc. (IT)	35	76	51.00	83.50
	F.Y. B.Com	35	86	39.33	83.33
	F.Y. B.Com (A&F)	40	78	70.33	83.50
	F.Y. B.Com (B&I)	40	74	65.17	76.33
	F.Y.B.M.S	42	74	60.50	70.42
2013-14	F.Y.B.A.	35	70	...	...
	F.Y.B.Sc. (Gen)	38	79	...	...
	F.Y.B. Sc. (Biotech)	49	74	...	...
	F.Y.B. Sc. (Comp.Sci.)	40	90	44.17	76.83
	F.Y.B. Sc. (IT)	39	75	48.17	87.83
	F.Y. B.Com	38	80	45.00	87.83
	F.Y. B.Com (A&F)	51	90	66.83	91.33
	F.Y. B.Com (B&I)	41	76	48.33	74.67
	F.Y.B.M.S.	42	70	57.83	83.00

2014-15	F.Y.B.A.	35	80.31		
	F.Y.B.Sc. (Gen)	39.69	77.85		
	F.Y.B. Sc. (Biotech)	49	78		
	F.Y.B. Sc. (Comp.Sci.)	42.50	73.80		
	F.Y.B. Sc. (IT)	45	80.55		
	F.Y. B.Com	35	87.08		
	F.Y. B.Com (A&F)	49.03	83.08		
	F.Y. B.Com (B&I)	45	87		

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?

The Principal, Vice-Principals and the admission committee of the institution take a review of the students admitted in each course. In the process the maximum intake capacity for each course and the number of students admitted are verified. The admission committee maintains group wise/ subject wise balance of students.

As per the decision of the university, the college makes the efforts to increase the intake capacity. According to the prevailing University norms, colleges can fill extra seats with prior permission from the University. Reservation policy is strictly followed.

Review of profile of the students admitted reveals the category from which the students are admitted. It also provides a profile of the students according to their score at previous exam. Based on this analysis, First generation learners are identified for whom focused efforts can be taken.

Outcomes:

Based on the data, bridge and remedial courses are arranged for the students. Student profiles and their score in first two years of graduation is helpful for the students to select combination of subjects at second year wherever applicable and the subject of specialization at final year. Students are further guided to select the specialization at P.G. level. Career guidance is provided to all the students in respective departments by arranging ‘Career Festival’.

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

SC/ST, OBC , Women, Differently abled, Economically weaker sections, Minority community, Any other

Students from disadvantaged community, Women and Differently Abled Students (SC/ST/ Other Backward Classes):

- There is reservation for students belonging to disadvantaged community as per Government of Maharashtra notifications.
- Category wise lists of students are displayed and admission is given accordingly. If the seats remain vacant, students from other categories are admitted as per the norms laid down by the Government.
- As the students for S.C., S.T. & O.B.C. category get their tuition fees from the Government, the college takes minimum required fees excluding tuition fees from these students, at the time of admission. Due to this policy students are retained in the system. In critical cases, some students are exempted from the college level fees or receive partial or full refund from Students' Aid Fund.
- The members of the staff also help students in deserving cases.
- The tables below show the category wise number of students admitted in the college during last five years in the aided and unaided sections.

Category wise distribution of students

Cate- gory	2010-2011		2011-2012		2012-2013		2013-2014		2014-2015	
	Aided	Un aided	Aided	Un aided	Aided	Un aided	Aided	Un aided	Aided	Un aided
SC	354	136	375	140	349	154	267	161	271	155
ST	55	14	50	12	46	09	42	12	42	19
OBC	541	25	611	27	551	29	472	31	462	41
DT/NT	107	270	93	223	90	208	82	249	84	279
SBC	23	12	28	15	30	11	24	11	29	14
Open	1151	453	997	446	896	607	989	744	1034	636
Total	2231	823	2154	898	1962	1042	1876	1214	1922	1255

Gender wise distribution of students

Year	Aided		Unaided		Total
	Male	Female	Male	Female	
2010-11	1007	1224	387	436	3054
2011-12	993	1161	404	494	3052
2012-13	854	1108	461	581	3004
2013-14	850	1026	542	672	3090
2014-15	829	1093	576	679	3177

- Female students constitute more than 50% of the total strength. College conducts various programmes such as health check ups, yoga etc. Hence no special measures are required for admitting female students during admission process.
- There is reservation for students belonging to differently abled categories as per norms laid down by Government of Maharashtra. Their needs are given special care and attention. Priority is given to differently abled students during admissions in the college.

Minority community:

Preference in admission to these students is given as per the Government policies. The students from minority community are also eligible for scholarships from the Government. Such students from minority community are informed about the scholarships and are guided to apply for them.

Economically weaker sections:

The government pays tuition fees for students from economically weaker sections. These students are advised and encouraged to apply for availing the concession in fees, within stipulated time as per Government norms. Facility to pay in installments is also offered to such students. Students' Aid Fund (SAF) set up by the Institution plays an important role in these matters. It covers those economically underprivileged students who are not benefitted under any Government scheme. Some students receive financial aid while some in the form of books. Institution makes every effort, formal and informal to retain the students in the stream.

The number of beneficiaries under Students' Aid Fund (SAF) for the last five academic years is as follows,

Year	2010-2011		2011-12		2012-13		2013-14		2014-15	
	B.B.	F.A.	B.B.	F.A.	B.B.	F.A.	B.B.	F.A.	B.B.	F.A.
No. of Students	311	42	375	24	235	41	246	39	207	34

B.B. - Book Bank Scheme , F.A. - Financial Assistance

2.1.6 Provide the following details for various programs 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 below shows various programmes run by the institution and the demand ratio indicates the trend for these courses

Average Demand Ratio

Programs	No. of applications received	Intake Capacity	Demand Ratio
F.Y.B.A.	216	240	0.90
F.Y.B.Sc. (General)	144	120	1.2
F.Y.B.Com.	624	480	1.3
B.Com. – A & F	140	60	2.3
B.Com. – B&I	216	120	1.8
B.M.S.	204	120	1.7
B.Sc.-Computer Sc.	114	60	1.9
B.Sc. – I.T.	126	60	2.1
B.Sc. - Biotechnology	63	35	1.8

It has been observed that during last four years, the enrollment for B. Sc. with Computer Science, Information Technology and Biotechnology has increased. The number of applications exceeds the intake capacity of our institution. Students from neighboring colleges also seek admissions in the second or even third year of the course to avail the benefits offered by the college.

This increase may be attributed to the preference for applied sciences as well as self-financing courses having greater applicability in industry.

The demand ratio for Computer Science, Biotechnology, I. T., Bachelor of Management Studies, Banking and insurance, Accounting and Finance is higher as these courses offer greater job opportunities after graduation.

This ratio has gone down at entry level for Arts stream. Earlier, Commerce Graduates from the Institution had to seek admissions for M.Com.(Advanced Accountancy) in other colleges. Similarly H.S.C. students from our college were opting for B.Com. (Accounting and Finance) in other colleges. With a view to retain them K.V.P. College introduced in 2011-2012 M.Com. (Advanced Accountancy) and B.Com.(Accounting and Finance) in the year 2012-2013.

With the persistent demand of M.Sc chemistry students for further research options, Ph.D in Chemistry was introduced in 2012-13.

2.2 Catering to Diverse Needs of Students.

2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to Government policies in this regard?

As per the Government norms, seats are reserved for differently abled students. They are advised to avail of fee waivers provided by the Government of Maharashtra. The library, the reading room, and the internet room are located on ground floor for their convenience.

During examinations, special arrangements are made for such students. They are provided with writers if needed. Extra time is also given as per University rules.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the program? If "yes", give details on the process.

Students' data collected at the time of admissions help the institution to identify 1st generation learners as well as slow learners who are weak in studies. Before the commencement of the program, each department conducts orientation lectures for such students.

2.2.3 What are the strategies drawn and deployed by the institution to bridge the knowledge gap of the enrolled students to enable them to cope with the program of their choice? (Bridge/Remedial/Add-on/Enrichment Courses, etc.)

Interaction with students may reveal areas in which remedial measures are needed. In such cases Bridge Programmes are conducted in the beginning of the academic year.

The students who lag behind are identified on the basis of marks obtained in the internal examination. Remedial coaching classes are arranged for the students on the basis of their performance in class and in internal examination.

The policy of the institution regarding these additional and corrective measures is stated in the academic calendar prepared every year at the beginning of the academic year.

With the purpose of helping the students to explore further avenues of career and to increase their insight into the subject chosen, enrichment courses are conducted by some of the departments.

F.Y.B.A students are mostly first generation learners. After analyzing first semester results, department of Psychology conducts ‘**Study habits workshop**’ for F.Y.B.A. students. This workshop is conducted with the objective of checking the prevalent study habits of first year students and helping them develop proper ways of studying.

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

1. Gender:

The institution believes in gender equality and practices it. There are lady staff members holding various positions of responsibility in our college. There have been lady Principal, Vice Principals, Heads and co-coordinators of various departments and Chairpersons of different associations at K.V.P. College. There is also a women development cell (WDC) functioning since 1998 as per norms laid down by university of Mumbai.

The objectives of this cell are:

- To prevent sexual harassment and to promote general well-being of female students, teaching and non-teaching women staff of the institutions.
- To provide appropriate working conditions in respect of work, leisure, health and hygiene to further ensure that there is no hostile environment towards women at work places and that no women employee has reasonable grounds to believe that she is disadvantaged in connection with her employment.
- To create social awareness about the problems women have to face in society and sensitize students about gender discrimination.
- Every year a program on gender sensitization is arranged for F.Y. classes by Women Development Cell in collaboration with NGO. It also organizes various lectures regarding gender related issues for the students by inviting eminent personalities working in this area.
- Street plays, skits related to gender issues are performed by N.S.S. and N.C.C. units to instill the spirit of gender equality in students.
- The programme “**JaagarJanivancha**” **launched by The State Government** needs a special mention in this regard. It was aimed at imbuing gender equality in young minds and inculcate a sense of security among girl students

2. Inclusion:

Through impartial and transparent admission process all sections of the society are assured equal access to admissions in the college. Students with special needs are supported according to their requirements.

- There are ramps at the entry of both the buildings of college.
- Stored audio books and Braille periodicals are available in the college library for visually impaired students.

3. Environment:

- **Save Water Campaign** was organized by the college.
- **Green audit** of college campus as well as MIDC residential area is being conducted from past two years.
- **‘Geography Day’** the 14th January is celebrated every year by Geography department.
- Elocution Competition on **‘Importance of Water Conservation’** was organized by the department of Economics.
- **Tree plantation** is an ongoing activity of NSS and NCC students as a part of the measures for environment consciousness and sustainability.

4. Moving towards paperless activities:

Since all our departments have internet connections, they provide either soft copy of the documents or mail the documents to the Principal and IQAC Co-ordinator as and when demanded. This practice helps the institution to minimize the use of paper.

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

The faculty identifies the advanced learners on the basis of their performance in previous examinations and during classroom interactions. The advanced learners are also identified on the basis of performance in internal and semester examinations and are encouraged for add on/enrichment courses.

- Counseling is given to advanced learners regarding preparation for different competitive examinations.
- College library holds 65,600 books. It arranges subject wise book exhibitions so that students get acquainted with specific reference books, books for general reading and journals.
- Teachers encourage students to use reference books, newspaper articles, journals, CDs and surf for educational material on internet.
- The college provides free internet facility to all students.
The college subscribes to INFLIBNET N- LIST, through which more than 97,000 e-books and 6,000 e-journals are made available for students’ disposal. This facilitates independent learning among advanced learners.
- Encouragement for participation: Faculty members motivate advanced learners to participate in various curricular and co-

curricular activities, such as seminars, group discussions, quiz competitions, etc at intra and inter collegiate levels.

- Every year T. Y. B. Sc. students of Physics appear for National Graduate Physics Examination (N. G. P. E.) conducted by the Indian Association of Physics Teachers (I. A. P. T.). Such Participation enhances their knowledge apart from their prescribed syllabus.
- Library organizes programs like ‘Talk on a book’ to enhance their communication skills, to inculcate reading habit and to motivate advance learners.
- The library conducts competition on ‘Book Review’ in written form since the year 2006.
- The staff members have instituted “**Reader of the Year**” award since 1998 to inculcate reading habits amongst students.
- “**Student of the Year**” is another prestigious award given to the student with remarkable performance in academic, co-curricular as well as extracurricular activities.
- Meritorious students are felicitated at the annual social by awarding college prizes and endowment prizes.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the program duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.)?

Institute takes care of students from disadvantaged sections of society, physically challenged, slow learners and economically weaker sections at two levels,

Academic:

- Slow learners are identified by the teachers through interaction in the classes.
- Students with special needs are identified by the faculty and referred to the counselor appointed by the institution.
- Parents meetings are held to inform them about their wards.
- Teachers give special attention to such students. In case of practical work, they are allowed to repeat practical more often.
- After declaration of results, every department analyzes the results. Counseling is done by the senior teachers to the unsuccessful students. Remedial courses are conducted for such students.

Administrative:

- Physically challenged students are helped as per their needs by college administration and the staff members.
- Seating arrangements in the examinations are made on a priority basis considering the needs of physically challenged students. Writers are provided to the students as per the stipulations. Extra time is given to the students to complete the answer papers.
- The library is kept open even during the vacation to allow the students to study as in metro city like Mumbai due to small houses they do not have peaceful place to study at home.
- To avoid dropping out by the students, economically weaker students from all the sections are given concession to pay the fees in installments as per their convenience. These students are given assistance in the form of books as well as financial assistance for payment of fees out of **Student's Aid Fund** of the Institution. Sometimes faculties also give financial assistance to needy students.
- Proposals for scholarships and fee waivers are sent to the Government for financial assistance under the welfare schemes of the Government.

2.3 Teaching Learning Process**2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules?**

(Academic calendar, teaching plan, evaluation blue print, etc.)

Within the framework of university, detailed academic calendar of the institution is prepared every year by IQAC. While preparing it, the committee takes into account, the academic calendar prepared by the university.

The details of the academic calendar are shared with all the departments which in turn prepare their own calendars to plan and coordinate their activities of the year.

- Probable vacancies for the next academic year are identified by the end of previous academic year and the appointments are made to fill up vacant posts. In case of need adhoc appointments are made to ensure that there is no loss of teaching days.
- The syllabus and the examination pattern for all the subjects are prescribed by the University. It specifies the duration of the academic year, public holidays, period of vacation etc. The college plans the academic co-curricular and extra-curricular activities accordingly.

- The schedule for Teaching / Learning, internal as well as semester-end examinations and evaluation is prepared in the very beginning of the academic year.
- Departmental meetings are held to distribute the work among the staff members and to prepare teaching plan for completion of the syllabus. It facilitates the completion of the syllabus well in time. If required, teachers arrange extra lectures/practicals on Sundays and holidays to give full justice to the syllabus. Departmental meetings are conducted at regular intervals to discuss the completion of syllabus and evaluation of students as per the plan.
- The co-curricular and extra-curricular activities are planned and executed without disturbing the schedule of teaching / learning, examinations and evaluation. All these activities are conducted with the co-operation of the teaching as well as non-teaching staff members.
- IQAC monitors and takes review of these activities. IQAC arranges the meetings of the heads of departments and/or staff members with the principal and vice principals.

Evaluation process:

- As per the University pattern, the college conducts examinations for semester I, II, III and IV under the supervision of the Examination Committee formed by the institution.
- The examination and evaluation methodologies are discussed by the members of examination committee at the commencement of every academic year during their regular lectures.
- Faculties also conduct induction programmes for freshly enrolled students to orient them about the prevailing examination and evaluation pattern.
- There is a continuous evaluation of students on the credit based system throughout the term. For this purpose, centralized time table is prepared by the examination committee.
- The examination committee assigns a time period for internal assessment of the students and prepares a schedule for this purpose which is notified to the students sufficiently in advance. In addition to this, departments conduct class tests to give feedback to students on their performance.
- The examination committee arranges for central drawl for question paper setting for semester I, II, III and IV. It prepares and displays the detailed schedule of the examination at least one month before the commencement of examinations.
- There is a separate committee looking after 'Central Assessment Program'. The staff members have to complete the assessment work within stipulated time.

- The examiners are required to prepare marking scheme before commencement of assessment work. This brings uniformity and objectivity in the evaluation, particularly when number of the students is large.
- The moderation work is carried out by appointing external moderators from different colleges. All these measures ensure transparency and impartiality in the assessment work.
- The results are declared within stipulated period.

2.3.2 How does IQAC contribute to improve the teaching –learning process?

The IQAC prepares institutional academic calendar before commencement of teaching programme. This is translated into departmental academic calendar and teaching plan.

The IQAC conducts the meetings of heads of departments at regular intervals during which it collects information about the execution of the teaching plan and completion of the syllabus.

The measures taken by IQAC in quality enhancement of the teaching – learning process are as follows:

- **Preparation of academic calendar.**
- **Result analysis:** The results of third year students are analyzed at the beginning of academic year by IQAC and conveyed to respective departments.
- **Suggestions about improvement of the result:** IQAC suggests staff members to adopt measures such as bridge courses, remedial courses, extra coaching and guest lectures etc. Such measures help the students to improve their performance.
- **Encouragement to the staff:** IQAC encourages staff members to attend conferences, seminars, workshops, refresher courses so that their knowledge is updated. Teachers’ training programs and orientation courses help the staff members to improve their teaching skills.
- **Training programs for teachers:** The IQAC also organizes training programs for teachers to give them exposure to recent developments and new techniques adopted in revised syllabi. This facility is also extended to the teachers of the colleges in the vicinity.
- **Faculty Development Programme** entitled “Research Methodology and use of Computer Software in Research”, was organized as an Inter Collegiate Weeklong Workshop in December 2013.
- A research promotion committee is formed every year that encourages the staff members to undertake research projects.

- Students are encouraged to participate in intercollegiate activities of cultural, scientific and social nature. They are also encouraged to participate and present papers in conferences.
- Feedback on teaching-learning process is obtained from the students. Their inputs are conveyed to the faculty for necessary improvement.
- IQAC also collects feedback from students about curriculum and college library and accordingly **has made necessary recommendations to the management.**

2.3.3 How learning is made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

1. **Interactive learning:** - All teaching sessions are interactive by way of question-answer mode of learning. Students are provided beforehand information about the topic to be discussed and are asked to point out important features of the theme to be discussed. Majority of departments arranges seminars and group discussions for students. While doing so audio visual aids like Computers, Laptops, LCD-Projectors, etc. are made available. Guidance lectures by eminent teachers from other colleges/ institutions are arranged for the students.
2. **Collaborative learning:** - Educational tours, excursions, visits to research centers, other university departments, industrial visits are arranged every year.
At college level, interdepartmental collaborative efforts are made by teachers through lectures, demonstrations or practicals e.g. the faculty members of Department of Physics teaches Quantum Mechanics to students of T.Y.B. Sc. (Chemistry), the staff of Department of Computer Science conducts practical sessions for students of T.Y.B.A. (Economics), the Department of Statistics conducts lectures for the students of Economics.
The institute has signed MOU with the Foreign University and academic and industries.
The institute has a subsisting MOU with **UriviVikram Charitable Trust** an NGO for the issues related to social cause.
3. **Independent learning:** - The students of some departments of the Under Graduate and Post Graduate Programmes undertake project work. They participate in individual and group presentations and seminars. They are further encouraged to present research papers at conferences and write articles in departmental publications. The rich

library resources and the unlimited use of internet help them to develop the ability of independent learning.

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?

The institution takes keen interest in nurturing critical thinking, creativity and scientific temper among its students through following activities :

- College organizes workshops and exhibitions through which the students can relate to real life situations.
- Every year, the Department of Geography celebrates “Geography Day” on 14th January by arranging theme based exhibitions related to geography and/or environmental science. Students are encouraged to prepare working models and posters related to the theme.
- “Science Day” is celebrated by the Department of Physics in the month of February by arranging a special lecture for the students and faculties.
- The departmental publications offer a platform for creative/ critical writing.
- ‘Aksharvel’-the College magazine gives an opportunity for blooming poets and writers to express themselves.
- Competitions for various art skills such as drawing, painting, mehendi, rangoli, singing, dance etc. provide an opportunity to students to demonstrate their talents. Students are also encouraged to participate in inter-collegiate competitions.
- Debates and elocution competitions are arranged regularly.
- The arts circle of the college and youth festival held on campus motivate students to participate at University level youth festival.
- The Science Association conducts various programs to nurture scientific temper among students.
- NCC and NSS Units organize programmes on Eradication of Superstitions to inculcate scientific temper among students.
- Film society screens theme based and educational films on contemporary issues.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? E.g.: 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 education, etc.

The college has obtained 20mbps internet connection from BSNL under NME-ICT scheme, which is subsidized by Ministry of Human Resources. All the departments in the college have been provided with computers and internet connections. LCD projectors are available on demand. Printers are provided on sharing basis.

The faculty frequently avails of these facilities and incorporates in their teaching-learning programs contents available on Internet. Educational CDs, UGC Programs, channels such as Discovery, National Geographic, Animal Planet and websites are adequately used for effective teaching learning process.

The College has subscribed to INFLIBNET N-LIST, through which more than 97,000 e-books and 6000 e-journals are made available to the faculty members and students. There is a separate internet hub for students and the faculty. The faculty pursuing research is provided with reference material available over internet.

The college is a member of British Council Library (BCL).

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 recent trends in all subjects are reflected in journals, magazines, periodicals, and newspapers. Hence this information is readily available in the library of the College. The college subscribes to INFLIBNET N-LIST, through which more than 97,000 e-books and 6,000 e-journals are accessed.
- The faculty is encouraged to participate in workshops, seminars and conferences and other events such as paper and poster presentations etc. Some faculty members are invited as resource persons to various national and international conferences/workshops.

The College organizes National and International conferences, workshops and seminars. The details of those conducted in last five years are given below.

Year	Seminars	Workshops	Conferences	
			National	International
2010-11	...	06	...	...
2011-12	06	04	...	...
2012-13	02	02	01	...
2013-14	04	07	...	...
2014-15	...	05	01	01

- Faculty members are encouraged to apply for research projects.

- The guest lectures and seminars are organized on the current issues, so as to develop insights into these. It helps students and the faculty to keep pace with the recent developments in various fields.

2.3.7 Detail (process and the number of students benefited) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advises) provided to students?

The college provides the following academic, personal, psycho-social support and guidance to the students in the following manner:

❖ **Academic guidance:**

The institution has established a Competitive Examinations Guidance Cell for the students preparing for UPSC and MPSC examinations and also for Professional examinations like C.A., C.W.A. and C.S.

The students are informed about the avenues for vertical growth. Alumni already working at responsible posts are invited for academic advice.

❖ **Psychosocial guidance:**

For this the College has a counseling center to help students manage their stress as well as behavioral and study related problems. The department of Psychology arranges workshop on study habits for First Year Students of all streams. Interactive sessions are conducted with students by eminent psychologists.

❖ **Professional counseling:**

- The College has a Career Guidance and Placement Cell. It gives information about job opportunities and also arranges campus interviews by reputed companies.
- The College organizes Career festival every year.
- The department of B&I and BMS arranges seminars of key persons from leading financial institutions to enlighten the students about current job scenario.

❖ **Mentoring:**

Scheme of mentoring is introduced in the college from the academic year 2013-14 to deal with the personal, psychological, financial and academic problems of the students. The mentoring committee is formed, comprising of members from all faculties. Every mentor is assigned a group of students of F. Y. classes who looks after that group till the completion of the course.

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 student learning?

- All departments are provided a computer with free internet.
- The faculties of the institution use computers, LCD projectors, internet, educational CDs.
- Students are introduced to various websites relevant to their syllabus.
- Undergraduate students are encouraged to adopt different learning methods.
- The department of History encourages students to prepare research papers on various topics which are published in reputed journals. They are also asked to present papers in State and National level conferences. The department uses educational games and screen documentaries/films as an innovative method to teach.
- The department of Psychology while teaching psychological disorders screen movies related to the subject for elucidating the subject of study more effectively.
- The department of Geography gives hands-on training to its students in GIS techniques. Every year they celebrate “Geography Day” on 14th January by organizing exhibition of books, rocks, maps and models prepared by the students.
- The department of English conducts dictionary browsing session, mock interviews and group discussions. It also arranges essay and poetry writing, poster making and story presentations along with Role-play sessions, crossword puzzles, screening of movies in the process of learning.
- The department of Economics conducts various surveys, and workshops.
- Computer Applications to Economics are taught by giving the students hands-on training in computer laboratory.
- The department of Banking and Insurance arranges exhibitions to orient its students about product costing, breakeven point and profit margin. It conducts open book examinations.
- Department of Commerce supplements teaching by referring to the current examples in the industry which appear in important dailies like Economic Times or Financial express.

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

As reading is the most fundamental aspect of education our institution gives adequate attention to library infrastructure.

Every enrolled student is allowed to borrow books on his/ her library card.

- Students' reading section is allotted large space.
- Academic books are provided free to a group of students under Group Book Bank Scheme.
- Separate internet room is allotted for student use.
- E books and e journals are made available to students. The college subscribes to INFLIBNET N-LIST, through which more than 97,000 e-books and 6,000 e-journals are made available to the faculty and students. In addition to the central library, each department has its own library, which provides books to its students during practical work sessions or otherwise.
- Important articles from the news papers are displayed and preserved.
- New arrivals in the library are displayed.
- Book covers of the same are displayed on the notice board in the library for students' attention.
- Subject wise exhibition of library collection is arranged every year.
- Library facility is extended to alumni.
- The teaching staff is allotted a separate reading room and has unlimited access to periodicals and journals.
- Library through its software provides to the faculty and students ready reference to any title.
- List of all the books and journals is made available on every subject to the concerned head of the department.
- Human resource is the most important resource in the library. The staff working in the library is well qualified and experienced. It renders every possible help to the faculty and students in the use of library resources.
- Library has a backup facility for storing the data.

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.

The college faces many challenges in completing the curriculum within the time frame since the introduction of credit based semester pattern.

The reasons are:

- Internal examination schedules require approximately a week and the teaching is affected during this period.

- Additional examinations introduced on credit based system take up significant amount of time.

Measures adopted to overcome these challenges:

- Commencement of courses as early as possible.
- Arrangement of extra lectures in zero hours and holidays.
- The institution encourages the teaching staff to take minimum possible leaves during the continuance of teaching programme.
- The institution believes that it has a responsibility of not only academic improvement of its students but also of their overall development. In the credit based semester pattern the time available from commencement till examination schedule is barely sufficient. The institution however strives to strike a balance between teaching and other co-curricular and extra-curricular activities.
- The faculty also distributes printed sheets of questions and printed notes on certain modules. This practice helps them to save the time while in class and to deal with subject at hand in required depth.

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

IQAC strives to maintain the quality of teaching/learning in the following manner:

- Feedback regarding teaching-learning process is obtained from students and findings are reported to the faculty for necessary modifications in teaching practices.
- Parent-teachers meetings provide an opportunity to get the feedback regarding teaching quality.
- IQAC has frequent interactions with heads of department to monitor and evaluate the quality of teaching and learning.
- During lectures the students' oral feedback is taken by the respective faculty regarding the teaching methods adopted by them.
- The quality of learning is evaluated on the basis of class tests, assignments, presentations conducted for the students.

2.4 Teacher's 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.

Recruitment:

Before the end of academic year, the college finds out the willingness of existing temporary faculty to continue or otherwise in the ensuing academic year. This helps the college to plan for possible vacancies and to initiate the process of recruitment. While selecting the faculty due attention is given to their qualification, experience area of specialization and their teaching aptitude. The vacancies that are likely to emanate for the ensuing academic year are discussed in LMC meeting.

The policy of recruitment in case of aided programme

- The Principal at the end of each academic year conducts meetings with HODs/ Coordinators to identify vacancies in various departments which may accrue due to various reasons.
- Vacancies identified are reported by the Principal to top Management.
- Arrangements are made to recruit the staff at the beginning of the academic year by following appropriate procedure.
- Vacancies are filled strictly according to the UGC, the University and Government of Maharashtra guidelines.
- Staff so selected is assigned to the concerned head of the department, who according to specialization and interest of the selected staff assigns to him/her an appropriate job profile.

Retention:

To retain the staff, the college adopts following practices:

- Recruited staff is confirmed as per the UGC and State Government Regulations.
- The teachers are granted study leaves to upgrade their qualification by pursuing Ph.D.
- They are encouraged to attend orientation, refresher and Short Term courses.
- Duty leave and financial support is sanctioned for attending seminars, conferences, workshops, examination work in the University.
- The staff members are encouraged to do the research work by undertaking major and minor research projects, for which laboratories and other infrastructure are provided as per their requirements.
- Full freedom is granted to initiate the teaching-learning innovations.
- Career Advancement Scheme as per rules is implemented.
- The staff members are provided library facilities not only related to their subject but also pertaining to other subjects and for general reading.

- In order that the faculty keeps pace with the concurrent happenings, internet connection is provided to each department.
- The college provides a platform to the faculty to exhibit their other proficiencies.
- The college tries to bring out the untapped leadership potential in the faculty by assigning them varied responsibilities.
- The faculties who have upgraded their knowledge or qualification are felicitated at annual social function. Also a special mention of their achievements is made in the yearly college magazine “Aksharvel”.

Permanent Teachers

College at present has 45 aided staff members

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total		
	M	F	M	F	M	F	M	F	Total
PhD	---	---	05	11	07	01	12	12	24
M.Phil	---	---	01	03	02		03	03	06
PG	---	---	03	---	01	01	04	01	05
NET/SET	---	---		---	07	03	07	03	10
Total	---	---	09	14	17	05	26	19	45

Recruitment and Retention strategies adopted by the institution for Self-Financing courses:

Recruitment:

- Vacancies for ensuing academic year are identified before the close of previous academic year.
- Advertisements are issued in leading newspapers prescribing the required qualifications.
- Applications received are scrutinized and eligible candidates are called for interview.
- Interviews are conducted by a committee comprising of members of Management, Principal, Vice Principals and Coordinator of respective programme and a subject expert.

Retention:

- The management sees to it that the remuneration is commensurate with the qualification and teaching experience in the field.
- Increment policy of the institution is well defined.
- Authorities always appreciate the efforts put in by the staff and enthuse them to excel in their work.

- They are encouraged to attend seminars, workshops and conferences and also to participate in the university work.

Temporary teachers/part time teachers-

Highest Qualification	Total
Ph.D	1
M.Phil	1
PG	39
LLB	1
Total	42

Outcome of the retention strategies:

- During the assessment period nine faculty members completed PhD degree, two acquired M.Phil. degree, and three faculty members passed Net/Set examinations.
- Management recommended two staff members from the department of Chemistry for extension after their superannuation.

2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programs / 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.

- Senior faculty members who are securing high positions at University level such as BOS member or paper setters or moderators guide in inviting eminent faculties to teach certain post graduate programmes.
- Recognizing the importance of Bioinformatics, UGC funded certificate programme in Bioinformatics was launched and it receives good response.
- Eminent researchers, persons with vast experience in industry are invited to conduct lectures related to newly emerging knowledge areas. Seminars, conferences and workshops are arranged in the such areas.
- The Institution organizes conferences and seminars on new knowledge areas. The most recent one was an **International Conference** on Nanotechnology for sustainable green technology. Eminent scientists and researchers deliberated on the subject.
- Neuropsychology lectures are arranged for M.A (Psychology) students.
- The college organized an International Conference on Nano Technology for Sustainable Green Technology in January 2015. Nano Technology is an emerging area and many veteran scientists from India as well as Abroad were invited to deliberate.

- The college has set up a separate Nano Technology Laboratory and has constituted a committee of three senior faculties for further work in this field.

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

a) Nomination to staff development programmes

Academic Staff Development Programmes	Number of Faculty Nominated				
	2010-11	2011-12	2012-13	2013-14	2014-15
Refresher Courses	01	01	03	01	02
Orientation Programmes	02	06	03	04	-
HRD Programmes (PEAK)	Nil	Nil	Nil	Nil	Nil
Staff Training Conducted by University	Nil	Nil	Nil	Nil	Nil
Staff Training Conducted by Other Institutions	Nil	Nil	Nil	Nil	Nil
Summer Schools/ Winter Schools/ Workshops etc.	Nil	Nil	Nil	Nil	Nil

Annexure-III

b) Faculty training programmes organized by the institution to empower and enable the use of various tools and technologies for improving teaching – learning.

- **Teaching learning methods and approaches**
 - ❖ The College motivates its teaching staff to prepare computer-aided teaching-learning materials by providing various tools and technologies like internet connections, licensed software etc.
 - ❖ The faculty is trained to use Multimedia equipments for teaching the concepts which involve complex visualizations.
 - ❖ Whenever there is an upgradation of operating system the staff members are trained to get acquainted with the same.
- **Handling new curriculum**
 - ❖ Some faculty members are involved in Board of Studies and syllabus framing committees at university level.

- ❖ With every change in syllabus the Principal conducts meetings and discusses the changes with heads of departments.
- ❖ The heads in turn conduct departmental meetings to discuss the new syllabus and the techniques to handle the same.
- ❖ The institution organizes workshops in collaboration with BOS of Universities where guidance is provided about the new syllabus.
- ❖ The staff members are deputed to participate in the workshops on revised syllabus organized by the University or other colleges.
- **Content and Knowledge management**
 - ❖ The college has a staff academic forum. Guest lectures are arranged for the staff on various subjects on the topics of common interest. The teachers exchange knowledge of their subject through this forum.
 - ❖ Various co-curricular committees invite eminent persons to deliver lectures on the contents of the prescribed syllabi.
- **Selection, Development and Use of enrichment materials:**
 - ❖ Every department is given the internet facility. This helps them to collect reference material and upgrade subject knowledge.
 - ❖ The faculty also uses charts, flow charts, models and manuals for laboratory experiments.
 - ❖ The staff is encouraged to prepare computer- aided teaching materials. Many provide a softcopy of teaching learning materials and a question bank to the students
 - ❖ Class notes are provided to students during lectures after the topic under discussion is adequately explained.
 - ❖ The department of Physics prepares its own practical manual for F.Y.B.Sc students.
 - ❖ Some staff members have also authored textbooks.
 - ❖ One of the staff members of the department of Zoology has contributed to the University Practical book of Zoology for F.Y. B.Sc. “Animal interaction and biodiversity”
- **Assessment:**
 - ❖ Exam Committee conducts extensive training programme for the faculty every year to acquaint them with the complete assessment of the students.
 - ❖ The institution has organized inter-collegiate workshops on change in the pattern of examination and assessment.
- **Cross Cutting Issues:**
 - ❖ Training programmes were arranged for the staff members by the institution before conducting Pollution survey, Water Conservation Survey and Green audit.
 - ❖ A training session was conducted by the institution about gas safety and energy saving measures.
 - ❖ NSS and NCC units of the institution arrange lectures on cleanliness drive.

- ❖ WDC of the institution every year organizes lectures on women related issues.
- **Audio Visual Aids/Multimedia:**
Library imparts training to students and staff members about the use of multimedia and educational CDs.
- **Open Educational resources**
Institution conducts training on effective use of e resources.
- **Teaching/ learning material development, selection and use.**
 - ❖ Some staff members have written books, based on curriculum.
 - ❖ Additional study material is provided to students learning in regional languages.

c) **Percentage of faculty**

- ❖ Invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies : **10 %**
- ❖ Participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies: **26 %**
- ❖ Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies: **21 %**

2.4.4 **What policies/systems are in place to recharge teachers? (e g: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)**

- On Scholar's day, the Institution felicitates the staff members who are awarded Ph. D.
- The College encourages the faculty members for their professional development by
 - ❖ Granting them study leave under faculty development programs.
 - ❖ Deputing them to national/international conferences, seminars and other training programs such as refresher and orientation programs by Academic Staff Colleges of the Universities and short term training programmes.
- The college provides necessary infrastructure for research activity.
- Institution encourages the staff members to apply for research projects.
- Teachers are encouraged and supported for research publication and academic publication.
- Institution provides complete support to bring out departmental publications in which faculties also write research articles.

- Teachers completing PhD are encouraged to establish research centers. As a result, the institution received recognition for research centers in Chemistry and Commerce in the subject of Accountancy in the last five years.

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

Many staff members have presented papers, chaired sessions and worked as resource persons in various conferences held at nationally and internationally. Publications of staff members in high number maintain general atmosphere in the institution conducive to research.

- Dr. Kailas Jagdeo and Dr. Bholanath Mukherjee were jointly awarded Second prize for research poster presentation in UGC sponsored National Seminar organized by M.D. College, Mumbai in January 2015.
- Prof. Sathe from the department of Chemistry secured second prize for poster presentation in International conference on Nanotechnology and Sustainable green technology held at K.V. Pendharkar College on 5th and 6th January 2015.

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

The Institution has an established practice of evaluation of teachers by students. Based on analysis of evaluation the improvement expected from teachers is communicated to them by the principal.

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 rules and regulations of the University regarding the evaluation process are notified on students' notice board.
- At the beginning of academic year students are informed about eligibility to appear for final exam.

- Examination pattern and evaluation system are explained to students in their classes.
- Teachers from respective departments during their lectures explain the pattern of internal and semester examination and evaluation process.
- Some departments arrange induction programmes for freshly admitted students in which details regarding evaluation process are shared.
- Examination committee also conducts sessions on examination and evaluation pattern for the faculties.
- Department of History conducted a workshop in collaboration with BOS of University of Mumbai to discuss changed examination pattern and evaluation system at TYBA level.
- Institution has conducted an intercollegiate workshop on “Credit Based Grading System: Implementation and Issues” on 28th February 2015 to orient the teachers about this examination system and the issues related to it.
- Faculties are deputed to other institutions or University to attend the workshops on evaluation process.
- The Institution conducts parents’ meeting in which the examination and evaluation process is explained to them. Doubts raised by parents are cleared by staff members of the examination committee.

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?

Evaluation reforms of University:

- As college is affiliated to University of Mumbai it is mandatory to adopt reforms introduced by the university.
- The university has introduced Credit Based Semester Grading System for U.G and P.G programmes which has been adapted by the college.

Evaluation reforms of the Institution:

- The college has dedicated space for Central Assessment Programme.
- The college constitutes CAP committee to manage the entire Central Assessment.
- Answer Sheets are in the custody of CAP and are randomly issued to examiners. After assessment is over CAP arranges moderation of assessed answer books.
- The answer books are moderated by external moderators.
- The exam results are processed using specialized software.

- Hologram is affixed on every marksheet as a matter of precaution.
- Assessed and moderated answer sheets are preserved for the required period under strict custody.

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?

- Immediately after the reforms are introduced, the teachers are informed about them during the staff meeting by the members of examination committee.
- For a quick and ready reference a gist of all the guidelines related to reforms is displayed in the staff room and CAP.
- Use of modern software ensures effective implementation of evaluation reforms whenever they are carried out.

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

The evaluation reforms of the University are followed by the College. For improving quality of students, the College adopts formative and summative methods of evaluation.

The formative evaluation includes internal examinations with 20 marks assigned to each subject. Five marks are allotted for attentiveness and regularity in the class.

Summative evaluation is done by awarding grade at the final semester on the basis of Grade Point Average earned by the student from first to final semester.

Impact of formative and summative evaluation:

- Formative evaluation ensures that the student is evaluated continuously.
- In this pattern, students can solve multiple choice questions and concepts based questions. The former are useful for preparing for competitive examinations and concept based questions are helpful for clarity. The subjective questions make it possible to check students' explanation skill, writing skill and comprehension of the subject.

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.)

- Internal assessment implemented as per university norms has shown following results,
 - ❖ Attaining required depth of knowledge to answer objective questions.
 - ❖ Internal examination and semester end examination being separate heads of passing are attempted sincerely.
 - ❖ Consideration for behavioral aspects in terms of marks has induced students to be attentive, participative and proactive in class.
 - ❖ Good conduct, independent learning and communication skills are judged during lectures, practicals and seminars as a part of student's active academic performance.
 - ❖ Under current pattern wait age is given for behavioral aspect and class participation in internal evaluation.

2.5.6 Does the institution and individual teachers use assessment/evaluation as an indicator for evaluating student performance, achievement of learning objectives and planning? If “yes” provide details on the process and cite a few examples.

Yes, the institution and individual teachers use assessment/evaluation as an indicator for evaluating student performance, achievement of learning objectives and planning.

- In the beginning of the year, the teachers in the course of their introductory lectures try to assess the knowledge base of students and their capacity to understand. Based on their first hand assessment they design bridge programme and implement it.
- Students of B.M.S. (SEM V), of Banking and Insurance (SEM V and SEM VI) as well as Computer science and IT students are assigned projects on topics related to Management, Banking and Insurance sector. While assigning the topics, teachers take into consideration ability of the student to deal with the topic.
- The departments of Mathematics, Statistics and English, conduct tutorials for SEM I and SEM II of B.Com. Students are divided into batches each consisting of 30 students. This enables the faculty to provide personal attention to weak students so that they can cope up with the topics given in the syllabus.
- After evaluating their performance at internal examinations the teachers plan the extent of remedial coaching required.
- The advanced learners identified in semester examinations are given advanced and challenging tasks to retain their interest. This motivates them to attain vertical growth. For instance, students having research flair are encouraged to identify research problems of their interest, to work upon the same and to present research

papers in the state and national conferences. They are also encouraged to contribute in departmental and institutional publications.

- The examination committee provides detailed results to each department. The department in turn analyzes these results and decides upon modification as may be necessary in their existing teaching plan.
- On the non academic front students' performance is evaluated on the basis of participation. Encouragement is provided uniformly to students with potentials and he/she is made aware about opportunities available in their field of interest. The institution renders all possible assistance to his/her growth in that field. For instance, N.C.C. cadets with required potential are encouraged to participate in Republic Day Parade as well as to join armed forces.
- In the other performing arts like singing, dancing, acting, students are encouraged to represent the institution in prestigious competitions.
- Right from identification up to their participation, all possible assistance is provided by teachers and the institution to ambitious, hardworking and proactive students.
- Seeking employment opportunity is one of the important learning objectives. The Placement Cell developed by the College shortlists meritorious students and motivates them to apply for relevant jobs.
- Many among our students whose performance at H. S. C. examinations was average show impressive performance and secure first class during their graduation. This we wish to attribute to the training and the encouragement they receive at the institution.

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

Redressal of grievances at college level:

There is complete transparency in the evaluation process.

- Students can apply for verification of marks by paying prescribed fees as per University rules. They can also demand a photocopy of their assessed answer-book.
- Examination committee takes cognizance of complaints lodged and follows the process as per the University rules.

Redressal of grievances at University level:

- In case of grievances with reference to evaluation at University level, the student has to submit an application to the University

along with the prescribed fees within the duration announced by the University.

- A student can also get a Photostat copy of his answer book and can ask for its revaluation. The University communicates the outcome to the college and college has to communicate the same to the student. Thus, the College serves as a facilitator in this process.

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?

- The college has clearly stated learning outcomes to suit varying capacities of students.
- Every course has its own learning outcome, set out by the University in the preface to the syllabus. The staff members are therefore well-informed of these outcomes before they commence teaching.
- The college has clearly stated learning for,
 - ❖ Providing vertical growth to students
 - ❖ Providing specialized job oriented programme and to become self employed on a small scale
 - ❖ Assisting students to attain professional qualifications and to appear for competitive examinations.
- The Institution has stated its vision, mission and objectives and is fully committed to them. The College aims at inculcating gender equality, social awareness, scientific temperament, cleanliness, awareness about environmental issues. The mission statement of the College “**Tamaso Ma Jyotirgamay**” embodies all these values. Various programs related to these values are conducted in the college throughout the year.
- W. D. C., N. S. S., N. C. C. and Science Association are in the forefront of many outreach programmes along with Social science, Commerce Association, Arts Circle, Youth Festival and the gymkhana are instrumental in overall personality development of the students.
- The achievements of the students and the staff members are displayed on the notice board and published in the college magazine. They are also mentioned in Principal’s Report at the time of Annual Prize Distribution.
- The Principal organizes a general meeting at the beginning of the academic year and informs the staff about the results of every class in the previous year. The Principal also announces short term goals and measures to improve the overall performance of the institution.

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

- Some departments conduct tutorials and tests on regular basis. Students' performance in such tests/tutorials is communicated to them. This helps each student to work on weaknesses.
- Since the semester based credit system is introduced by the University of Mumbai, the students get performance report after conclusion of every semester.
- At the departmental level, the faculty counsels the students showing poor performance.

Results in percentage of students (Programme/course wise) for last five years:

Programme	2010-11	2011-12	2012-13	2013-14	2014-15
B.A.	75.85	74.60	83.87	80.71	76.98
B.Sc.-Bio-Technology	93.55	91.30	71.43	96.77	90.91
B.Sc.-Botany	100.00	66.67	57.69	52.38	95.65
B.Sc.-Chemistry	26.83	56.25	37.93	47.22	84.38
B.Sc.-Computer Sc.	100.00	93.10	60.00	61.11	48.48
B.Sc.- I.T.	----	73.33	75.00	75.68	70.00
B.Sc.-Physics	85.71	----	66.67	66.67	40.00
B.Sc.-Zoology	100.00	100.00	100.00	84.62	100.00
B.Com. (General)	77.59	87.66	85.75	74.88	84.40
B.Com.- A. & F.	----	----	----	----	100.00
B.Com.- B. & I.	86.67	98.11	92.93	61.32	59.73
BMS	86.96	70.49	82.11	68.54	63.95
M.A.- Marathi	28.57	60.00	----	----	----
M.A.- Psychology	83.33	85.71	100.00	71.42	----
M.Sc.- Inorg. Chem.	100.00	100.00	100.00	80.00	----
M.Com.-Adv. Acc.	----	----	100.00	67.57	93.33

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 college aims to help the students to reach their potential through the provision of a supportive and vibrant environment.

- Innovative teaching methods, enriched collection in the library, transparent assessment, supportive learning activities such as seminars, group discussion, advanced coaching and remedial coaching help to achieve the intended learning outcomes.

Teaching Strategies:

The advanced learners identified in internal examinations are given advanced and challenging tasks to retain their interest. This motivates them to attain vertical growth.

- The teaching strategy provides guidance from experts and professionals from industry.
- The college has set up Entrepreneurial Training Center (ETC) to give hands on training to foster entrepreneurship in interested students.
- College ensures that the teaching is completed within the stipulated time.
- Academic Calendars and Teaching plan are prepared every year.
- Teachers are encouraged to adopt suitable teaching methods as per the requirement of the course and to use innovative methods and ICT for teaching.
- Heads of all departments regularly review teaching activity.

Learning Strategies:

Strategy	Learning Outcomes
Assignments, projects, industrial visits, field work, excursions, book exhibitions, organizing various competitions, encouragement to attend conferences and seminars, Continuous and semester end evaluation	Independent, Collaborative, and Blended Learning
W.D.C, N.S.S., N.C.C., Commerce Association, Activities in collaboration with governmental organizations and NGOs, Surveys, Campaigns, Celebration of Days	Sensitivity towards Social Issues
Various committees under students forum, Motivation and encouragement for event management, Career and Counseling cell, Placement cell, participation in Sports & Cultural activities within and outside the college, Yoga workshop, Art of Living training, Exhibitions and Workshops	Personality Development & Professional Competency

Assessment Strategies:

The college has implemented a three step process to ensure transparency in assessment program.

1. Central Drawl Paper Setting:

Centralized paper setting is done in a given stipulated time by the examination committee.

2. Centralized Assessment Program (CAP)

- Preparation of Marking Scheme - uniformity in assessment.
- Centralized paper assessment in stipulated time to maintain transparency.
- Moderation of papers by external moderators to avoid any disparity.

3. Unfair means enquiry committee:

Unfair Means Enquiry Committee to prohibit malpractices in examination and to take the necessary actions.

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (quality Jobs, entrepreneurship, innovation and research aptitude) of the courses offered

- The college has a strong Placement cell. So far 31 companies had approached the institution for placement and 321 students have been placed.
- The department of Economics has set up an Entrepreneurial Training Centre to foster entrepreneurship among college students.
- The department of Botany conducts a training program for fruit preservation.
- Industrial visits are arranged to help inculcate spirit of entrepreneurship.
- Educational tours and excursions provide the students a chance to understand the current developments in the various fields.
- The college offers number of self-financing courses which have good prospects in the job market.
- Bio-informatics course is conducted since last three years by the department of Bio-technology. The course appraises the students about the applicability of the I. T. in Life sciences.
- Course on Tally, conducted by the department of Accountancy is aimed at exposing the students to modern accounting software.
- Course on Retail Marketing conducted by dept of Commerce aims at introducing students to e-commerce for which India is now world attraction
- A center for coaching the student to prepare them for professional exams like C.A., C.S., C.W.A. has been established.

- IQAC conducted an intercollegiate Faculty Development Program for researchers in “Research methodology and use of SPSS”.
- Ten staff members have received the fellowship under F. I. P. of U. G. C.
- The laboratories of Botany and Chemistry departments are registered as research centre.
- One day workshop on Research Methodology for M. Phil. and Ph. D. Research Scholars was conducted by the department of History .U.G students are encouraged to go for paper presentation in various state and national level conferences.
- Departmental publications brought out provide a platform to the students to contribute to the subject of their studies.
- Center for research in nanotechnology is established in 2013-14.
- The college organizes national/international conferences and seminars. They attract students to research activity.

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

Collection and analysis of data:

The data on learning outcomes is collected through:-

- Results of internal examinations as well as semester end examinations.
- Feedback from stakeholders.
- Review report of employment cell.
- Interactions with peers from various fields
- IQAC carries out analysis of examination results. The findings are reported to the authorities.

Steps to overcome barriers of learning:

- Counseling of students to minimize attrition.
- Providing question banks of different subjects for practice.
- Bridge courses and remedial courses.
- Extra lectures and extra laboratory sessions for completing the syllabus
- Guest lecturers for guidance
- Timely redressal of students’ grievances.
- Introduction of ad-on courses.
- Enrichment of library by adding more reference books/ magazines/CDs.

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

Details have been given under Q.2.6.1.

- Achievement of learning outcomes is monitored primarily through the results of various examinations.
- They are also monitored on the basis of their vertical growth and placements.
- The information about the vertical growth and placements is collected through the alumni meets and through social contacts direct contacts.

2.6.6 What are the graduates attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?

- Independent, Collaborative, and Blended Learning, sensitivity towards social issues, personality development and professional competency, self-confidence, self-reliance, ethical values, communication skills, team work skills, problem-solving skills are some of the graduate attributes specified by the College.
- For the attainment of the graduate attributes, all possible attempts are made by the college. The academic calendar is strictly followed. Students' seminars and group discussions are arranged. The teachers try to upgrade students' performance in exams and enhance the intellectual level of the students. The syllabus is completed in time and revised.
- College organizes various activities through NCC, NSS, Literary and Cultural Association, W. D. C. and Science Association which help in overall development of the students.
- Entrepreneurship awareness programs, career guidance and counseling, annual social and sport activities are also given due importance. Study tours, industrial visits, field visits and visit to research centers are also arranged. Students are encouraged to participate in Youth Festivals. All these activities help to attain the graduate attributes among the students.

Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include: NO

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 the Institution has research centers recognized by the University of Mumbai in the following subjects.

Sr. No	Department	P.G.-(by Research)	Ph. D	Remark
01	Botany	✓	Ph.D.	Permanently affiliated
02	Chemistry	✓	Ph. D	Affiliation up to 2018

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. The Research committee constitutes the following members.

Sr.No.	Name of Committee Members	Designation
01	Dr. A. K. Ranade (Principal)	Chairperson
02	Dr. N.S. Velhankar	Member
03	Dr. N.S. Suryawanshi	Member
04	Dr. J.S. Hotkar	Member
05	Dr. K. R. Jagdeo	Member

The committee holds meetings in order to discuss multiple plans to promote research activities and motivate the faculty for academic advancement. Faculty members are encouraged to participate and present their research papers in National and International Conferences for which they are provided financial assistance and duty leave as per U.G.C. norms. Faculty members are invited as visiting faculties to interact with research students of other colleges. They are encouraged to submit research projects to UGC, and to the University of Mumbai for financial assistance.

Recommendations and outcomes:

- As a result of the policy to encourage faculty members to enroll for research programmes such as M. Phil and Ph. D. in various disciplines ten faculty members have been successfully awarded Ph. D. degrees in the last five years viz.

- | | |
|-------------------------|------------------------|
| 1. Dr. A. S. Dhomane, | 6. Dr. B.T. Mukherjee, |
| 2. Dr. K. R.Jagdeo, | 7. Dr. U. C. Kumavat, |
| 3. Dr. R.D. Jadhav, | 8. Dr. S. M. Agashe, |
| 4. Dr. P.A.Deodhar, | 9. Dr.A.S. Gabhe |
| 5. Dr. N. S. Velhankar, | 10. Dr. J. S. Hotkar. |

Five faculty members are pursuing Ph.D. degree out of which one has been sanction leave under Faculty Development Programme of UGC

1. Ms. P.S.Sathe	2. Mr.B.S.Lahor	3. Mr. A.K.Lokhande
4. Ms. K.N.Dhawale	5. Ms. S.Satyaram	

- Identifying areas of research.
Considering the need Nano Research Center and research center in the subject of Chemistry, have been started and recognition for research centers in Physics and Accountancy is applied for
- To help the faculties to undertake minor and major research projects.

Outcome :

Particulars	Number	Amount sanctioned
Minor research projects sanctioned by University of Mumbai	12	2,39,400/-
Minor research projects sanctioned by UGC	06	11,85,000/-
Major research projects submitted to CSIR, DST and MNRE	03	Submitted

Other Curricular activities conducted by various departments in last five years:

Activity	Number
Seminars	10
Workshops	26
National Conferences	02
International Conferences	01

- To encourage the faculty members to publish research articles, Papers in various National and International journals and present research paper in National and International conferences, seminar, workshop etc.

Outcome:

Papers presented : 182
Papers Published in Journals : 137

- To encourage faculty members to get recognition as Research Guide for the degree of M. Sc., M. Phil. and Ph.D.

Outcome:

Following faculty members have obtained recognition as research guides:

Sr. No.	Department	No of Research guides
1	Chemistry	03
2	Botany	03
3	Physics	01
4	History	01
5	Accountancy	01

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

- Autonomy to the Principal investigator
- Timely disbursement of fund and administrative support.
- Provision of required infrastructure and support staff.
- Relaxation in working hours, special duty leaves etc. to teachers.
- Provision of all library resources.
- Support in terms of information technology needs
- Timely audit and submission of utilization certificates of various ongoing research projects to the concerned funding agencies/ authorities.

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

To encourage scientific temper among students, the faculty engages the students in laboratory work of varied nature.

The Institution provides library and e-learning facilities, high speed internet connection, INFLIBNET - NLIST to its students to develop research culture.

Lectures of eminent researchers and scientists are arranged on contemporary issues and advancements in science and technology.

IQAC conducted one day workshop on research methodology for M. Phil. and Ph.D. students. It also conducts a certificate course on Sources of Indian History to acquaint students with the research methodology.

IQAC organized weeklong workshop on Research Methodology.

Students are encouraged to prepare and present research papers at national conferences. They are also encouraged to participate in theme based state and national level conferences.

Students are encouraged to contribute research articles in research journals. They are also encouraged to contribute on contemporary issues in departmental publications.

Research paper presentation is organized for students.

Students are involved in surveys conducted with the aim to give them hands on training in research methodology. Inter collegiate seminars are conducted for students on presentation of research papers.

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.

Ten faculty members have received recognition as research guide in their respective field of study.

Faculty members authorized to work as Research Guides and researchers successfully awarded M. Phil. and Ph.D. Degrees under their supervision.

Sr. No.	Name of research guide	Department	No. of M.Sc. Students	No. of M. Phil. Students	No. of Ph.D. Awarded Students	No. of Students pursuing Ph.D.
01	Dr. A. P. Dixit	Botany	---	--	04	01
02	Dr. N.W. Shinde	Botany	01	--	03	02
03	Dr. N.S. Suryawanshi	Botany	--	02	04	03
04	Dr. A.S. Dhokane	Chemistry	02	--	--	04
05	Dr. P.C. Patil	Chemistry	01	--	--	01
06	Dr. A. K. Ranade	History	--	01	--	06

- Five faculty members are currently pursuing doctoral research.
- Four faculty have been sanctioned the facility of FDP (Faculty development Programme) by UGC to complete their doctoral research.

Research Papers Presented and published in Journals and Conferences:

Year	State Conf.	National Conf.	International Conf.	Total Papers presented	Papers Published
2010-11	02	25	06	33	20
2011-12	03	17	05	25	21
2012-13	05	18	05	28	35
2013-14	02	12	10	24	37
2014-15	04	40	28	72	24
	16	112	54	182	137

3.1.6 Give details of workshops/ training programmes/ sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

Dombivli Shikshan Prasarak Mandal's, K.V. Pendharkar College has a long tradition of organizing National and International conferences, workshops and seminars. They serve as effective tool for imbibing research culture among the faculty and students.

The first workshop organized by the institution was way back in 1985. Thereafter a series of workshops on diverse topics such as 'Environment and Pollution', 'Changing Scenario of Indian Economy', 'Conventional and Non-conventional Sources of Energy', 'Uccha Shikshanaachee Dasha Wa Dishaa' (Higher Education : Present Status and New Directions) were held.

This tradition continues and following Seminars/Conferences/workshops have been organized in the last five years:

Sr. No.	Date	Theme of the workshop	Organising Dept.
01	15/01/2013	Research Methodology in History for M. Phil and Ph.D research scholars	History
02	15,16/02/2013	National conference on Impact of Globalization on Culture, Commerce and Technology	K.V. Pendharkar College and the University of Mumbai
03	30/12/2013-05/01/2014	Workshop on Research Methodology	IQAC and Department of Botany
04	15/02/2013	Workshop on History, Archaeology and Human	Department of History K.V. Pendharkar College,

		Culture	P.L. Shroff College and L.J.N.J Mahila Mahavidyalaya
05	09/07/2014	Inter-collegiate research convention Avishkar 2014- 15	The University of Mumbai and K.V. Pendharkar College
06	05,06/01/2015	International conference on Nanomaterial's for Sustainable Green Technology	Departments of Chemistry and Physics and University of Mumbai
07	13,14/02/2015	National Conference on Accounting, Finance and Management: Current Issues and Development	Related departments of K.V.P.College.
08	22/02/2015	Seminar on Reform Movements in Maharashtra through Ages	History

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

The faculty members are involved in research at individual /collaborative level. Details about research areas and expertise of different faculty members from various departments are as follows:

Sr. No.	Name of Faculty	Department	Thrust Area
01	Dr. A.P. Dixit	Botany	Pharmacognosy Forestry, Bryophytes and Pteridophytes
02	Dr. N.W. Shinde	Botany	Medicinal Botany, Pharmacology
03	Dr. N.S. Suryawanshi	Botany	Integrated management of plant pathogen
04	Dr. Abhijit Shasrabuddhe	Botany	Cytogenetic and plant biotechnology
05	Dr. A. S. Dhomane	Chemistry	Analytical inorganic Chemistry
06	Dr.P.C.Patil	Chemistry	Organic Chemistry
07	Dr. B. T. Mukherjee	Chemistry	Nanotechnology using plant materials
08	Dr.M.P.Phanse	Zoology	Biochemical systematic
09	Dr.SharadMahajan	Zoology	Toxicology
10	Dr.VarshaNarwade	Zoology	Histology and Biochemistry
11	Dr. P. A. Deodhar	Physics	Material Science theoretical physics
12	Dr. Kailas Jagdeo	Physics	Nano technology, Biomaterials
13	Dr.Santosh Mishra	English	English Literature
14	Dr. R.D. Jadhav	Marathi	Dalit and VidrohiSahitya

15	Dr. A. K. Ranade	History	Socio-cultural History, Regional History, Indology and Epigraphy
16	Dr. R. S. Khalkar	Philosophy	Philosophical concept of man in the Mahabharata
17	Dr. U. B. Karande	Psychology	Interdisciplinary research psychology and Marathi Sahityatil Striyanchya Aatmcharitratil Swa –Sankalpana.
18	Dr. A. S. Gabhe	Statistics	Some contribution to the theory of runs and related random variables
19	Dr. N.S. Velhankar	Economics	Entrepreneurship training for youth
20	Dr. J.S. Hotkar	Accountancy	Mutual Funds
21	Dr. Urmila Kumavat	Biotechnology	Pharmacognosy and Pharmacology
22	Dr. Seema Agashe	Biotechnology	Pharmacognosy and Pharmacology
23	Dr. S.S. Deo	Commerce	Human Resource 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?

Various departments have frequently organized lectures on various subjects by eminent experts for UG, PG and Ph.D. level courses. So far 24 eminent researchers have visited institution on various occasions and enlightened the students and the staff on their respective areas of specialization.

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?

No such facility has been availed by the staff in the college.

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

The individual profiles of the faculty members have been posted on the college website which indicates the contribution of the respective faculty. The research papers are published in various national/international publications/journals and are preserved in the college library.

- Dr. N.S. Suryawanshi has taken initiative to create awareness among Researchers and Farmers, through his research finding ‘Isolation of fungal cultures and use of these fungal cultures like *Trichoderma viride* to control plant pathogens in agriculture.
- Dr. N.S. Velhankar, utilizing her expertise in entrepreneurship development organized various training programmes and workshops to inculcate entrepreneurial skills among women. She has also reached community at large through her articles on women entrepreneurship in the Marathi magazine ‘Udyojak’ (Entrepreneurs).
- Dr. B. T. Mukherjee – Purification of water using carbon Nano materials synthesis from plant materials. “Use of hydrogen as a source of green energy”. These efforts have tremendous commercial potential.
- Dr. N.W. Shinde- Fruit products like jam, jelly, pickles which are prepared as part of horticultural practical work are sold to the faculty members ‘on no loss and no profit’ basis.

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.

Departments are sanctioned budget every year for recurring and non-recurring expenses. Some financial provision is made for requirements related to research by respective departments. The college library grants additional budget to those departments which have research centers.

The college library spends considerable amount on purchase of reference books and subscriptions to research journals.

An uninterrupted internet access and computers are provided to each department engaged in research. Besides this UGC funding is used to augment research facilities.

Institution provides support in the form of infrastructure and necessary administrative assistance.

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?

Seed money is provided by the management for creating basic infrastructure required to carry out research activity.

3.2.3 What are the financial provisions made available to support student research projects by students?

The institution provides the infrastructure, library, laboratory equipments and consumables research material to the students for their research projects.

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

The faculty is involved in inter-disciplinary research.

- Faculty members from Physics, Chemistry have jointly published research papers in various proceedings and journals.
- Department of Chemistry and Physics jointly organized an “International Conference on Nano-materials for Sustainable Green Technology-2015”-ICNSGT-2015.
- IQAC organized a national conference on “Impact of globalization on culture, commerce and technology”. Being interdisciplinary theme students and faculty from all streams participated and presented research papers.
- Dr. Jagdeo and Dr. Mukherjee from Physics and Chemistry departments respectively have been jointly working on research projects related to Super capacitors, Hydrogen storage, Microwave absorption and Removal of Heavy elements.
- Dr. Jagdeo and Dr. Mahajan from Physics and Zoology departments respectively have been jointly working on Bio-materials.
- Dr. N.S. Velhankar completed her research under the title ‘Economic Analysis of Entrepreneurship in Ayurvedic Drug Industries in District Thane, Maharashtra– in post reform period. This was an interdisciplinary initiative at individual level.

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

The institution ensures optimal use of various equipments and research facilities by its staff-members and students. If required, the infrastructure is also provided to the staff and students beyond working hours. Facilities in various laboratories are made available to research scholars from different departments.

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.

Faculty members apply to various funding agencies like UGC, DST for financial assistance by sending proposals. The institution has received grants from UGC under Basic Scientific Research (BSR).

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 institution has constituted a research committee which scrutinizes and approves the research proposals to be submitted to funding agencies. The role of research committee has now been taken over by the Planning Board. (Annexure- IV)

3.3 Infrastructure for Research

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

- Departments of Botany and Chemistry are recognized research centres for M.Sc. and Ph.D. courses. These departments have well equipped research laboratories.
- The institution has established a “Nano Science Research Centre” for carrying out inter-departmental research in Nanotechnology. Students and the faculty are encouraged to use the facilities provided at this centre.
- The Institution provides library resources which include membership of e-books and e-journals under INFLIBNET – NLIST and reference Books.
- A dedicated internet hub is provided in the library catering to the needs of students and faculty.
- All departments are provided with computer and internet facility.

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 proposals are initiated by the concerned departments and submitted to the Planning Board.
- These proposals are forwarded to the management by the Planning Board with its recommendations through the Principal.
- These proposals are considered by the management and the deserving proposals are approved.
- The management consults experts if required while upgrading or creating new infrastructure.
- Detailed plans are prepared and sufficient funds are allocated to meet the infrastructural needs.
- Allocations are also made to augment library resources if necessary.

- The research departments are provided with computers and internet facility.

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?

List of Instruments Procured out of UGC / The Mumbai University grants

Sr. No.	Instruments	Sr.No.	
01	Air conditioner	14	Colorimeter EQ-650A X 2
02	AC. Installation,	15	Potentiometer EQ-602 X 2
03	Projector- Epson	16	pH Meter EQ-614
04	Projector- Epson	17	Turbidity Meter EQ-811
05	Computer	18	Anamed electronic Balance
06	Vertical get Electrophoresis	19	Projector SONY
07	Horizontal Gel electrophoresis	20	Voltage Stabilizer
08	Digital PH Meter	21	Deep Freezer
09	Vortex Mixer	22	Centrfuge(Remi)-4 tube X2
10	Micropipette Pipette	23	Vaccum Pump
11	Digital Colorimeter	24	Soxhlet Extraction Heater
12	Laboratory Upgradation	25	Distilled Water Plant X 2
13	Conductometer EQ-660A		

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

The institute helps researchers to avail the required facilities from other reputed institutes such as:

- Department of Nano science, University of Mumbai,
- Nano- Research Lab , Model College, Dombivli;
- TIFR, Mumbai;
- ICON, Mumbai;
- IIT, Mumbai;
- Agharkar Research Institute, Pune.
- MM.P. V. Kane Research Inst., Mumbai,
- IIRNS (Indian Institution for Research Neumesmatics Studies) Anjaneri, Nashik,
- Monarch, Dombivli,
- Anchrome Organics, Dombivli,
- Innovative Organization, Dombivli,
- BARC, Mumbai

335 Provide details on the library/ information resource centre or any other facilities available specifically for the researcher?

The Institution provides library and e-learning facilities, high speed broadband internet connection, facilities like Network Resource Centre (NRC), Reference Books, and UGC INFLIBNET - NLIST to the researchers, students and faculty members. The college also helps the researchers to acquire assistance from other institutions.

Sr. No.	Department	Name of Journal
01	Botany / Biotechnology/ Zoology	Journals of Bioscience / Genetics / Current Science /
		Science Reporter / Indian Journal of Marine Science /
		Horticulture world / Baliraja / Biology Today /
		Bionano Frontier / Journal of cell and tissue Research
02	Chemistry	Indian Journal of chemistry / Chemistry today /
		Asian Journal of chemistry
03	Physics	Physics for you / Physics today / Material Science /
		Lab experiments / Praman journal of physics
04	Commerce	Indian journal of commerce / Indian Banker / Yojana /
		Vyapari Mitra / Business India /
		Indian Journal of Commerce and Management Studies /
		Indian Journal of Finance / Indian Management /
		Prabondhan : Indian Journal Of Management
		The Journal Of Entrepreneurship
05	Accountancy	The Bombay chartered Accountant Journal
06	History	Bhartiy Itihasachi Sanskriti / ICHR Volumes / Indica
07	Psychology	Journal of Indian Academy of Applied Psychology
		Psychological Inquiry (Through NLIST)
		Perspectives on Psychological Sciences(Through NLIST)
		Current directions in Psychological Science (Through NLIST)
		American Journal of Psychology (Through NLIST)
08	Books In Library	65,355
09	Online access to e-books	97,000
10	e-journals	6,000

336 What are the collaborative researches 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** - Nil
- **Original Research contributing to Product Improvement** - Nil
- **Research Studies or Survey benefiting the community or improve the service** - Green Audit, Save Water Campaign, and Pollution Survey of MIDC area.
- **Research inputs contributing to new initiatives and social development** - Fungal culture

Awards received

- Prof. Padma Sathe – Second prize for Paper Presentation in International Conference on Nanomaterials for Sustainable Green Technology(ICNSGT-2015),organized by DSPM's K. V. Pendharkar College, Dombivli(E), Dt. 5th and 6th January,2015
- Dr. K. R. Jagdeo–

Sr. No.	Name of the Staff	2010-11	2011-12	2012-13	2013-14	2014-15
01	Dr. A.K. Ranade	04	02	06	04	05
02	Dr. N.S. Velhankar	..	..	01	01	..
03	Dr. D.J. Oak	..	01	..	..	..
04	Dr. R.S. Khalkar	01	..	..	01	01
05	Dr. U.B. Karande	02	01	..	01	..
06	Ms. A.S. Munje	01	..	01	..	01
07	Mr. P.B. Kusmude	..	..	..	01	..
08	Ms. Hemlata Waghchaure	01	03	..	01	..
09	Dr. S.J. Mishra	01	02	..	03	05
10	Ms. Mohini Savedkar	..	03	..	02	..
11	Mr. A.P. Lokhande	..	..	02	..	01
12	Mr. Y.M. Morgha	..	..	..	02	..
13	Mr. B.S. Lahor	..	..	02	01	..
14	Dr. M.P. Phanse	..	..	01	..	..
15	Dr. A.P. Dixit	..	..	..	..	02
16	Dr. N.W. Shinde	01	01	01	..	02
17	Dr. N.S. Suryavanshi	04	04	08	05	08
18	Dr. A.V. Sahasrabudhe	..	..	01	..	..
19	Dr. A.S. Dhomane	01	01	..	..	..
20	Dr. B.T. Mukherjee	02	..	..	01	..
21	Mr. S.S. Dhabarde	..	..	..	07	..
22	Dr. A.S. Gabhe	..	02	..	..	01

23	Dr. K. R. Jagdeo	01	..	04	..	01
24	Dr. S.S. Mahajan	..	..	..	..	02
25	Dr. Seema Aagshe	..	..	..	..	01
26	Dr. J.S. Hotkar	..	..	02	02	03
27	Ms. Neha Salagare	..	01	01	..	..
28	Mr. Balu Shirsat	..	..	..	..	01
29	Ms. Sneha Vaidya	..	..	..	..	01
30	Ms. A.A. Patwardhan	..	01	..	01	..

1. Second prize for Paper Presentation in UGC sponsored National Seminar, organized by Maharshi Dayanand College, Mumbai, Dt.-22/01/2015
2. First prize for Paper Presentation – National Seminar on Advanced Materials-2010, Sponsored by UGC, organized by Dept. of Physics, Shivaji University, Kolhapur.Dt.-19th and 20th March, 2010

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?

No.

3.4.3 Give details of publications by the faculty and students:

Details of the papers published by the faculty at National / International Conferences:

Number of Publication =137

Number of Papers published by the faculty and students in peer reviewed Journal (National-42, International-28)(By Faculty)

- Number of publications listed - Nil
- Monographs: Nil
- Chapter in Books: Dr. N.S. Suryawanshi - Two chapters
- Books Edited: DR. N.S. Velhankar “Impact of globalization”.
- Co author: Prof. Ajaykumar Lokhande – Two books
- Books with ISBN/ISSN numbers with details of publishers: DR. N.S. Velhankar “Impact of globalization on culture, commerce and technology”.
- Citation Index: Nil
- SNIP: Nil
- SJR: Nil
- Impact factor: Nil
- h- index: Nil

3.4.4 Provide details (If any) of

- **Research awards received by the faculty** - Nil
- **Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally** - Information has already appeared in Q.3.1.5
- **Incentives given to faculty for receiving state, national and international recognition for research contribution** - Infrastructural and administrative support.

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute industry interface?

- Eminent industrialists and experts are invited as resource persons to various conferences and also as visiting faculty.
- The experts from industries are appointed as members of advisory committee for various conferences.
- The college arranges visits to multiple industries for students.
- The college has signed 3 MOUs with different industries. Innovative organic, monarch catalyst and monad.

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

- The Institute permits the use of laboratory equipments and available infrastructure to consultancy services. Staff members are also motivated to provide consultancy services.
- Department of Botany provides fungal culture to other colleges for practical and research purposes.
- Dr. N.S. Suryawanshi, Associate professor, Department of Botany renders consultancy service to the nearby institutions on culture identification and supply bio-culture to farmers.

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

The staff members are allowed to use the infrastructure and the resources for the consultancy services.

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 Botany provides fungal culture to other colleges for practical and research purposes. The consultancy services are rendered for negligible amount. The Institute makes every effort to encourage the staff to utilize all human resources, intellect and available facility in the campus to promote consultancy.

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?

Policy about consultancy charges is yet not formulated by the college however it is provided at negligible charges to the staff of R.K.T. College, Ratnam College and Mahatma Phule college of Arts Science and Commerce Panvel.

3.6 Institutional Social Responsibility (ISR) and Extension Activities:

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?

Extension activities of the college are listed in prospectus and the college website. Social awareness programmes are organized for the students. They are encouraged to participate in extension activities organized by the college independently and in collaboration with other agencies/institutions. These activities include poster displays, class room presentations which inculcates human values and a sense of social commitment.

Teachers are motivated to participate in extension activities.

The institute is conscious about its role in promoting institution-neighborhood-community network and students' engagement in it. It has initiated a number of community development activities which are stated below.

- Involvement of the faculty and students in various campaigns, green audit, pollution survey, construction of water reservoir.
- Organizing various rallies related to social issues.
- Participation in Pulse polio immunization programme
- Save electricity campaign
- Traffic awareness rally and Blood Donation and camp

- Celebration of birth anniversary of national leaders at orphanage and distribution of notebooks.
- Career exhibition and Career fest

Students of nearby schools are given access to our college laboratory to view and demonstrate experiments and activities prescribed in their syllabus. Every year approximately 150 students from 3 different schools avail this benefit.

The department of Psychology organized aptitude testing program for tenth standard students residing in Dombivli and the vicinity.

MA psychology students held career exhibition giving information about various career opportunities. This exhibition was open to all schools and colleges in Dombivli.

Outreach Activities:

- Blood donation camps and donation of blood on emergency call
- Aptitude testing by the department of Psychology.
- College playground is used by the schools in the vicinity.
- Entrepreneurial Training for marginalized section of the society and school dropouts.
- Training in language skills to the students from weaker sections of the society by department of English.
- Tree plantation drive by NSS, NCC and Rrotract club of K.V. Pendharkar College.
- Pulse Polio immunization programme.
- Helping hand to police in Ganesh Festival.
- Food adulteration detection camp by department of Chemistry

3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

- List of students participating in these activities is available with the NCC and NSS officers.
- Report is obtained from the students and is submitted to the Principal. Outstanding achievements find place on Students' notice board and college magazine.

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

It is solicited in following ways.

Students:

- Feedback and suggestions formally and informally solicited from the students.
- The college has a students' forum to communicate students' requirements and problems which is useful in improving the general performance of the institution in every sphere of academic activities.

Parents:

- Parents'- teachers' meetings are arranged regularly for firsthand feedback.

Staff:

- We have regular staff meetings to keep the staff updated about changes and developments of the institute. Similarly their suggestions regarding development and quality enhancement of the institution are considered.

Alumni:

- The alumni association organizes meetings and has regular formal and informal interactions during which any alumnus is free to give his/her suggestions which are helpful for quality sustenance.

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.**Planning:**

The institutional calendar is prepared regarding academic and extracurricular activities, according to which various departments conduct the extracurricular activities.

Organization:

NCC and NSS units of the college play important role in conducting activities throughout the year. While arranging the programs major emphasis is on the social issues being faced by the community in the vicinity. Rotaract club of KVP is also active in arranging various programs for under privileged in the society.

Budgetary details

Though NCC and NSS unit get the funding by the University and the State Government, College also provides funding whenever required.

Year	NCC		NSS	
	Estimated	Actual	Estimated	Actual
2010-11	18,000	16,836	4,000	3,414
2011-12	11,000	10,840	1,65,000	1,63,979
2012-13	15,000	14,046	1,28,000	1,27,054
2013-14	57,000	56,507	1,36,000	1,35,446
2014-15	15,000	14,215	50,000	49,598

Amounts in Rs.

Major programs conducted by NCC, NSS units and Rotaract club of KVP are:

- Blood donation camps and donation of blood on emergency call
- Aptitude testing by the department of Psychology.
- College playground is used by the schools in the vicinity.
- Entrepreneurial Training for marginalized section of the society and school dropouts.
- Training in language skills to the students from weaker sections of the society by department of English.
- Tree plantation drive by NSS, NCC and Rotract club of K.V. Pendharkar College.
- Pulse Polio immunization programme.
- Helping hand to police in Ganesh Festival.
- Distribution of food grains to poor.
- Sessions on hygiene for Zilla-Parishad school.
- Celebration of Diwali with inmates of orphanage.
- Donation of old books to under privileged children.
- Donation of notebooks to Anganwadi schools.

Impact on development of students

NCC units of the college have inspired many students to join the Armed Forces.

NSS unit has oriented the students socially as a result some students have become social activists.

Training provided by Entrepreneurial Training Center has inspired many students to become self-employee

3.6.5 How does the institution promote the participation of students in NSS, NCC, YRC and other National agencies?

- Extension activities of the college are listed in prospectus and website of the institution.
- Students are motivated to participate in extension activities by displaying notices on the board, class room presentation, and poster displays etc.

- NCC and NSS units conduct special publicity campaigns to attract students' attention. Students joining NCC, NSS are awarded ten grace marks as per the university rule.
- Associate NCC officers and cadets are encouraged to participate in various camps to promote leadership, advanced leadership, national integration combined ATC and Thal Sainik, as well as to celebrate Republic Day.
- We have vibrant and active Rotract club named as RCKVPC (RTD3140) helping students to learn beyond curriculum. It gives wide publicity to their objectives and activities to attract student's membership.
- Those who miss classes due to their participation in above mentioned activities are allowed to appear for additional internal examinations so that their willingness to participate in socially useful events is not hampered.
- Jagar Janivancha Programm – An extension programme was organized by the institution as per the directives of the Government of Maharashtra for instilling gender equality among college students.
- The college felicitates meritorious cadets by awarding them medals, trophies, cash awards, endowment prizes etc.

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 underprivileged and vulnerable sections of society?

The Institution conducted survey of MIDC area pertaining to water conservation and pollution level.

The department of Biotechnology takes lead in conducting surveys of potability of water in different parts of the city.

The department of Economics conducted a survey about excessive use of mobile phones among youth in which feedback from students, teachers as well as parents was obtained.

IQAC conducted a survey of female students about their hemoglobin level and dietary habits and provided inputs to improve their food habits and health conditions.

Inculcating research culture at undergraduate level

To inculcate research culture among students at undergraduate level the faculty of Commerce has adopted unique way. It involves students of certificate course in Retail Marketing in conducting primary research as partial fulfillment of the course requirement who have done primary

research on the topics related to Retail Marketing which has a social relevance.

Department of Management Studies

A survey of KDMC area was conducted in Sept.2014 by SYBMS students. Primary data through 1000 questionnaires was collected on following issues of public interest like Water supply, Safety of Women, Traffic Problem, Electricity Shortage, Poor Road Conditions, Pollution.

Department of Banking and Insurance

Banking Awareness Survey of MIDC residential area was conducted in 2013-14.

NSS and NCC units:

NSS organized residential camps in underdeveloped rural area to create social awareness. Every year NSS and NCC organize blood donation camp. Donors are issued cards by blood banks which they can use for providing blood to needy persons free of cost.

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.

Objectives:

The Principal objective of the extension activities organized by the institution is to make its students aware about the world beyond college and their families which would result in their holistic development.

The College ensures holistic development of students which moulds them to become enlightened citizens. The college is an 'equal opportunity' institution established to provide knowledge and quality education to all sections of society by inculcating moral values and scientific temper. It aims to pursue excellence towards creating manpower with high degree of intellectual, professional and cultural development to meet the national and global challenges. The institute is conscious of its role in campus-community connection, wellbeing of its neighborhood and has initiated a number of community development activities.

Objectives of NCC, NSS and Rotaract Club

- | | |
|--------------------------|--|
| 1. Organizational Skills | 7. Sportsmanship, and love for adventure |
| 2. Discipline | 8. Secular outlook |
| 3. Patriotism | 9. Service to the Nation |
| 4. Commitment to work | 10. Leadership quality |
| 5. Team spirit | 11. National integration |
| 6. Creativity | 12. Organizational Skills |

Objective of Entrepreneurial Training Centre (ETC) of Department of Economics

Entrepreneurial Skills

Outcome:

The participation in various socially relevant activities has resulted in inculcating the feeling of being socially awakened citizens among the students. The students who have been a part of this process spread awareness in the institution as well as in the society for social upliftment.

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 management and the staff members have strong roots in the neighborhood. They encourage the community to actively participate in all extension activities organized by the college. This has contributed to both community- institution networking and to the development of the institution. The NSS unit organizes a seven day residential camp in the nearby villages annually, where people are informed on various social, moral, ethical principles and ways of life. The local villagers are initially consulted and the youth of the villagers are encouraged to participate in all NSS activities. Extensive local participation is witnessed during tree plantation, blood donation etc. The institution has taken the initiative to make society aware of social and health problems like female foeticide, gender disparity, environment protection and cleanliness awareness, etc. The college has actively participated in the Maharashtra Government's social initiative "**Jagar Janiwancha**" which aimed at the promotion of gender equality. The college organized major activities like Poster Competition, Essay, Drawing Competition related to social issues like HIV/AIDS, Road safety awareness rally, orientation of students and the society,

During various survey conducted by the institution residents of Dombivli were made aware of the benefits of water conservation. They were also

imparted training about water saving techniques. During survey conducted by Biotech department citizens were made aware of the quality of water used by them and importance of clean and safe drinking water. (Citizens using open and bore wells.)

Students and parents were oriented about the consequences of the excessive use of mobile phones and the feedback was collected from them.

Marginalized and minority school dropout girls and women availed the benefit of entrepreneurial training arranged by the Entrepreneurial Training Centre. Many of the beneficiaries became self employed after undergoing this training. School children from Dombivli and adjoining areas avail the benefits of summer sports camp organized by the institution.

Institution organized a career festival in which students from different colleges participated. Different departments in collaboration with placement cell organize. Career festival is open to all. The facility of central library is extended to alumni as well as persons from various fields on request.

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 seeks timely help from other institutions in the vicinity. The annual blood donation camp is organized with the help of reputed blood banks from General Hospital of Dombivli- Plasma, Seva, Life line-Thane.

The NSS unit co-ordinates with the local body (Gram Panchayat) to organize all its extension activities during the seven days residential camp in the near villages of vicinity.

College has signed MOU with UVCT for entrepreneurial training, counseling and social surveys and awareness.

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.

- NSS Best College award-Thane central zone-2010-2011
- NSS Best Programme Officer award-Thane central zone-2010-2011

- Dr. Sharad Mahajan - “Best NSS Programme Officers” awarded by University of Mumbai (District level)
- Dr. A. K. Ranade- Best Teacher Award.
- Dr. R.D. Jadhav - Samajicsamata fellowship puraskar - Nashik, Pune.

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.

We have MOU with Research centre TIFR and IIT. The College has formal collaboration, Memorandum of Understanding (MOU) with other institutes and industries for research activities and students are encouraged to avail the facilities at different research centers. Details about the collaboration with other institutions is covered under Q.3.3.4. The general area of interest of the collaboration includes all disciplines, more so at post-graduate level and research which are of mutual interest with a focus on:

- Exchange of Faculty.
- Training of undergraduate/ postgraduate students.
- Conducting collaborative research projects.
- Conducting lectures and organizing symposia.
- Exchange of academic information and materials.

As a result Urivi Vikram Charitable Trust helped in placing three students and a few are in the process. The MOU with The Juarez Autonomous University of Tabasco, **Mexico**, promises to take the collaborative research activity at much higher level. Dr. Pio Sefuntes Gillardio and Dr. Anjelica S Lopez visited K. V. Pendharkar College in January 2015 while Dr. Bholanath Mukherjee will be visiting The Juarez Autonomous University of Tabasco, Mexico in August 2016. Most of the science departments have developed linkages with Premiere organizations like TIFR, IIT, BARC, University of Mumbai, Gharda Chemicals, ICON Instruments and others to carry out analysis and characterization of samples used in scientific research.

3.7.2 Provide details on the MYCMU / 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 College has entered into MOU, for varied purposes with a number of organizations viz.

Industries:

1. Monarch Catalyst Pvt. Ltd. Dombivli, Maharashtra.
2. Innovative Organics, Dombivli. Maharashtra.
3. Monad Nanotech Pvt. Ltd. Mumbai. Maharashtra.
4. Surface coating industries Thane, Maharashtra. (at negotiation stage)

Educational Institutions:

1. D.U.B. Senior science college, Dapoli, Ratnagiri, Maharashtra.
2. CENNUM Mumbai, Maharashtra.
3. S. H. Mutha College Kalyan. Maharashtra.

International MOU:

The Juarez Autonomous University of Tabasco, **Mexico**.

NGO:

Urivi Vikram Charitable Trust (UVCT), a Non-Governmental and non-profitteering Organization, Delhi.

MOUs have been executed to extend the benefits to maximum number of students as specific departments are lead parties to each of these MOUs.

The lead department organizes lectures, industrial visits, in other institute, research students acquire knowledge of operation of instruments and characterization of samples while faculty members get opportunity to update their skills awareness level

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.

The Punjab National Bank has contributed generously for the beautification of the campus.

Relationship developed with the following industries and the banks in the vicinity has helped the college in placement of the students. Navteq, Infosys, Patni Computers, Wipro, TCS, ICICI Bank, HDFC Bank, Axis Bank, Indusland Bank, Indiabulls, Integrated Solutions,

Dombivli Nagri Sahakari Bank, Thane Janata Sahakari Bank, HDFC Life, LIC of India, Blue Dart, Arch Pharma, Dombivli, Monarch Catalyst, VVF, and others have approached the College because of our reputation and other institute for searching talent available in institute.

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

The College regularly organizes conferences, seminars and workshops graced by resource persons and participants from India and abroad.

The National conferences organized are:

- Impact of Globalisation on Culture, Commerce and Technology
- Accounting finance

International Conference:

- Nanomaterials for Sustainable Green Technology. January 5-6, 2015.

The institution has been singularly fortunate to benefit from the ocean of knowledge and experience of the luminaries from all over the world.

- **Prof. Narayan S. Hosmane**, Northern Illinois University, USA.
- **Dr. Newman Michael Spillart**, CRNS, France.
- **Dr. Pio Sefuntes Gillardio**, The Juarez Autonomous University of Tabasco– Mexico.
- **Prof. Masaki Tanemura**, Nagoya Institute of Technology, Japan.
- **Dr. Basu Krishnan**, Global Manager, Henkel Adhesives, Canada.
- **Dr. Anjelica S Lopez**, The Juarez Autonomous University of Tabasco– Mexico.
- **Dr. Manisha Sharan**, Bakers College, Michigan, USA.
- **Dr. Golap Kalita**, Nagoya Institute of Technology, Japan.
- **Dr. Pravin Jagdale**, Polytechnic of Turrin, Italy.
- **Dr. Kingsuk Mukhopadhyay**, Jt. Director, DMSRDO, Kanpur.
- **Prof. Maheshwar Sharon**, Board of Directors, IIT, Mumbai (Retd.).
- **Dr. Madhuri Sharon**, Director, Monad Nanotech Pvt. Ltd, Mumbai.
- **Prof. Syed Major**, Head, Dept. of Physics, IIT, Mumbai
- **Prof. Rajdip Bandopdhyaya**, Dept. of Chemical engineering IIT, Mumbai.
- **Dr. V. N. Mani**. Centre for Materials for Electronics Technology, C-Met, Hyderabad, India.

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.

a) Curriculum development/enrichment b) Internship/ On-the-job training c) Summer placement d) Faculty exchange and professional development e) Research f) Consultancy g) Extension h) Publication i) Student Placement j) Twinning programmes k) Introduction of new courses l) Student exchange m) Any other

The institution has formally signed MOUs with **eight** different organizations while **three** are at the negotiation stage. They are listed below.

1. The Juarez Autonomous University of Tabasco, **Mexico**.
2. Monarch Catalyst Pvt. Ltd. Dombivli, Maharashtra.
3. Innovative Organics, Dombivli. Maharashtra.
4. Monad Nanotech Pvt. Ltd. Mumbai. Maharashtra.
5. D.U.B. senior science college, Dapoli, Ratnagiri, Maharashtra.
6. CENNUM Mumbai, Maharashtra.
7. S. H. Mutha College Kalyan. Maharashtra.
8. Urivi Vikram Charitable Trust (UVCT), a Non-Governmental and non-profitteering Organization, Delhi.

The lead departments who have entered the MOUs are Botany, Biotechnology, Chemistry, Physics, Zoology, Economics, Psychology, History, Geography, Management Studies and Nano Science Research Center.

The main objectives of the MOUs are:

- Exchange of electronic information, publications, videos and bibliography
- Exchange of teaching material, like electronic presentations, notes, practical experiments reports
- Exchange of experiences on organization of teaching, conferences, courses
- Exchange of teachers and administrators and students in future with mutual consent.
- Invite Ph. D. Degree students from KVPC to study in UJAT and UJAT (Mexico) will give financial support throughout the research projects.
- Planning of joint activities.
- Conducting collaborative research projects.

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

Any other relevant information regarding Research Consultancy and Extension which college would like to include.

The College follows a structured process for developing collaborations. The steps include:

- Interested faculty member or the department makes an informal proposal to the Principal regarding possibilities of collaboration with specific organization underlining its importance, benefits and responsibilities.
- The Principal after consulting the CEO and the IQAC coordinator regarding the feasibility of the proposal asks the faculty to formally approach the organization.
- Upon receiving a favorable response, a formal 'letter of intent' is sent by the college.
- This is followed by detailed discussion between the two parties.
- Exchange of draft of MOU.
- Application of the Agreement, the Parties designate their representative who shall act as coordinators in the follow-up of the collaborative activities mentioned in the Agreement.
- The final draft of MOU is signed by both parties and a copy is handed over to each.
- The completion of these formalities marks the beginning of actual collaborative activities.

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?

The College Governing body takes review of the infrastructure available and the additional infrastructure needed to fulfill the requirements of existing and newly introduced courses in the college. Management has its own perception in creating new infrastructure. Extensive discussions take place with all the stake holders before implementing the plans. The feedback given by the students, staff and Local Managing Committee is also considered before creation and enhancement of infrastructure that facilitate effective teaching and learning.

4.1.2 Detail the facilities available for

- a) **Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.**
- b) **Extra – curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, public address system, communication skills development, yoga, health and hygiene etc.**

Adequate resources are made available for the Curricular, Co-curricular and Extra-curricular activities in the college.

- a) **Curricular and co-curricular activities –**
 - 41 classrooms with different seating capacity. Some class rooms are also used for tutorials.
 - Library with stacking area of 2016 sq.ft. and Reading Room with area of 2436 sq. ft.
 - 25 Science laboratories and 2 Arts laboratories which include four research laboratories. In addition to these the department of Accountancy has the infrastructure necessary for pursuing PhD in Commerce stream in the field of Accountancy.

Department wise number of laboratories:

Subject/Department	Number of Laboratories
Botany	4
Chemistry	4
Mathematics and statistics	1
Physics	3
Zoology	2
Computer Science	2
Information Technology	2
Biotechnology	2
Bioinformatics	1
Geography	1
Psychology	1

Four research laboratories equipped with necessary research facilities are:

Subject	Particulars
Botany	Recognized for M.Sc. by research and Ph.D
Chemistry	Recognized for M.Sc. by research and Ph.D
Nanotechnology	Inter-Departmental Research
Physics	Applied for recognition for Ph.D.

- Two air conditioned Seminar Halls with Internet, Public Address System and Projection facility.
- Bioinformatics laboratory is used for ICT learning as and when required.
- 12 LCD Projectors for ICT enabled teaching.
- Counseling centre.
- 20 mbps Internet Connection procured from BSNL under NMEICT.
- Dedicated Internet hub with 10 terminals for students and the faculty.
- Internet connection to all departments.
- Library connected with INFLIBNET-NLIST.
- Departmental libraries.

b) Extra - curricular activities –

- Sports facilities are provided for outdoor as well as indoor games on the campus. Considering the present day sports related needs the Management has developed two more grounds for the outdoor activities. Students participate in various Intercollegiate sports events like:
 - 1) Archery
 - 2) Badminton
 - 3) Ball badminton
 - 4) Baseball
 - 5) Basket ball
 - 6) Best physique
 - 7) Box cricket
 - 8) Cricket
 - 9) Cycling
 - 10) Fencing
 - 11) Gymnastic
 - 12) Handball

- | | | |
|------------------|---------------------|-------------------|
| 13) Hockey | 14) Judo | 15) Kabbadi |
| 16) Kho-Kho | 17) Pistol shooting | 18) Power lifting |
| 19) Softball | 20) Squash | 21) Swimming |
| 22) Table tennis | 23) Taekwondo | 24) Tug of war |
| 25) Volley ball | 26) Weight lifting | 27) Wrestling |
| 28) Yoga | | |

- Well equipped Gymkhana for indoor games.
- State of Art Gymnasium managed by Urja Unlimited provides professional coaching on the campus.
- Shooting Range of International standards is also available on the campus which is managed by Gun for Glory (Ex Olympian Shri. Gagan Narang).
- Special Yoga coaching is offered to female students and ladies staff.
- Separate office space for NSS unit.
- Separate offices of NCC for male and female students.
- Auditorium for cultural activities.

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 physical infrastructure and the future planned expansions if any).

The college has a sprawling campus with necessary infrastructure. It has been constantly expanding and modernizing its infrastructural establishment so as to keep pace with the ever increasing sphere of its activities. To provide continuous and uninterrupted electric power supply for laboratories and other activities the Management has installed two generators (50 KVA and 100KVA) and UPS for every computer system.

For optimal utilization of infrastructure the campus premises is temporarily provided for holding various events to the Central / Local bodies and other institutions on holidays, during vacation and occasionally on working days whenever it is free.

Following are few Institutions utilizing our campus:

- CA and CPT examinations conducted by CA Institute.
- CS examinations by CS Institute.
- Recruitment drive by BARC and Indian Post.
- On line examinations for Bank recruitment and promotions.
- On line MBA entrance examination by Maharashtra State Technical Board.

- On line MBA entrance examination for BITS Pilani.
- CA orientation courses.
- Sports Camp in vacation for school children.
- Career fest by various companies.

Facilities developed/augmented in last five years:

Auditorium, Counseling centre, Information Technology Laboratory, additional staircases, passage joining two buildings, additional well-equipped conference hall, installation of Sewage Treatment Plant, Shooting Range, Health Club.

Sr No.	Particulars	Yearly Budget Allocation (in Rs.)				
		2010-11	2011-12	2012-13	2013-14	2014-15
a.	Building	----	31,142,727	23,325,546	12,787,669	2,146,333
b.	Furniture	399,749	945,257	1,506,251	291,051	167,978
c.	Equipment	156,983	98,150	652,452	372,282	28,050
d.	Computers/ Printers/ Internet	599,409	684,461	924,580	485,298	554,159
e.	Vehicles	----	641,377	----	505,674	361,843
f.	CCTV Camera	----	436,281	55,710	335,424	98,377
g.	A/C, Inverter,UPS	----	----	194,854	273,237	1,015,083
h.	Security cabin	----	----	495,000	----	----
	Total	1,156,141	33,948,253	27,154,393	15,050,635	4,371,823

Master Plan: Annexure-VI

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

Ramp for both buildings and provision of special bars for support in the staircase

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

Since all the students attending the college are from the nearby residential area, hostel/residential facility is not required.

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?

First Aid is available on the campus. NCC officers and cadets are well trained in first aid.

Renowned Doctors from the city are the members of Dombivli Shikshan Prasarak Mandal. They are specialized in different fields of medicine and run well equipped hospitals. Students, teaching and non-teaching staff can avail their services in case of emergency.

To instill health awareness among students a multi-gym and Yoga coaching are provided on the campus.

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, Counseling and Career Guidance, Placement unit, Health Centre, canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

Facility	Details
IQAC	It is housed in the college library. IQAC ensures the internal quality in teaching and learning by encouraging innovative practices and giving suggestions regarding improvement in the infrastructural facilities.
Grievance Redressal Unit	Near NCC units.
Women’s Cell	Women Development Cell is established in the college which conducts various programs to sensitize male and female students about womens’ issues and gender equality. It is located on the third floor of the building.
Counseling and Career Guidance	It is located on second floor (room no 215)
Placement Unit	Placement cell is housed on First Floor near Physics laboratory which invites various organizations for campus and off campus placements.
Health Centre / First Aid Centre	Housed in the Gymkhana with necessary first aid facility.
Canteen	College canteen is situated on the ground floor. It is operated by a contractor under the supervision of a committee. Cleanliness and hygienic conditions are ensured in the canteen.
Recreational spaces	College gymkhana and Play ground.
Safe drinking water facility	Water purifiers are installed at various locations on the campus
Auditorium	Situated on the first floor of the building

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 which meets periodically to discuss and finalize the issues and policies related to the smooth functioning of the library.

- **Composition of the Committee:**

- ❖ Dr. Nandini Velhankar (Vice Principal) -Chairperson
- ❖ Ms. Amala Patwardhan (Librarian) - Member
- ❖ Dr. B. T. Mukherjee (Faculty)-Member
- ❖ Ms. Mohini Savedkar (Faculty) -Member

- **Major activities and functions of the committee:**

- ❖ To review the library budget.
- ❖ Users' needs, change in the syllabus, students' strength, estimated recurring and non-recurring expenses are the major considerations while preparing the library budget.
- ❖ To organize activities to motivate students to read.
- ❖ Suggest plans for technological up-gradation and overall improvement in the library infrastructure and services.
- ❖ Making the library staff aware of students' needs and suggesting the ways to fulfill them.

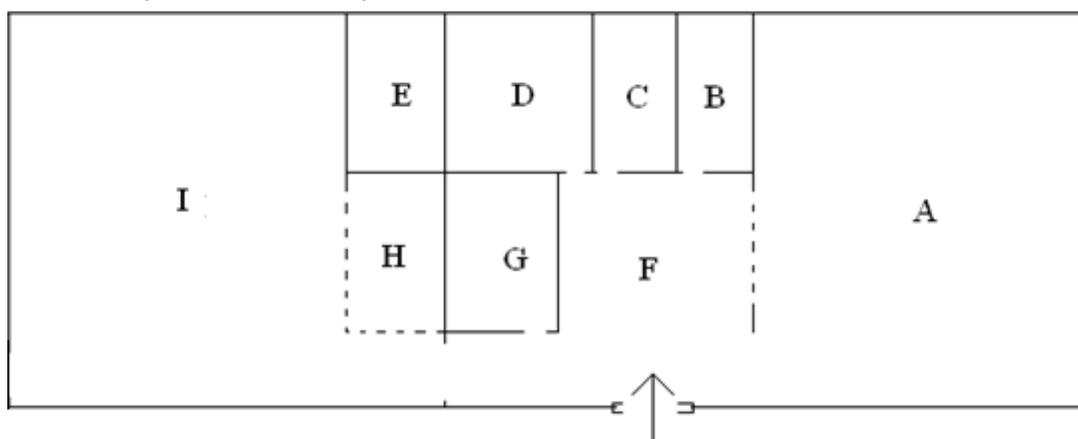
- **Initiatives implemented by the committee:**

- ❖ Display of new titles / new arrivals on the display board.
- ❖ Organize Book Exhibitions to make students aware of the book collection available in the library.
- ❖ Organize activities such as 'Talk on a Book' and 'Book Review Competition' to promote reading habit among students.
- ❖ Obtain feedback from the faculty and students about library services, infrastructure and collection of books.
- ❖ Extension of library facility to the alumni and outhouse research scholars.
- ❖ Provide internet facility.
- ❖ Run 'Group book bank' facility for small groups of students.
- ❖ Disburse text books for needy students through Student Aid Fund.
- ❖ Library automation.
- ❖ Membership of INFLIBNET– NLIST and British Council Library.
- ❖ E-library facilities including e-books and e-journals.
- ❖ Invite students' recommendations for purchase of books.

4.2.2 Provide detail of the following:

- ❖ Total area of the library (in Sq. Mts.)
- ❖ Total seating capacity
- ❖ Working hours (on working days, on holidays, before examination days, during examination days, during vacation)
- ❖ Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

- Total area of the library : 561.87 Sq. Mts.
- Total seating capacity - Students : 150
 - Staff : 10
 - Internet terminals : 10
 - For referencing : 04 (instaking area)
- Working hours
 - On working days : 7.00 am to 6.00 pm
 - On holidays : Closed
 - Before examination : 7.00 am to 6.00 pm
 - During examination : 7.00 am to 6.00 pm
 - During vacation : 9.00 am to 6.00 pm
- Layout of the library



- A → Stacking Area
- B → Librarian Cabin
- C → Vice Principal's Cabin
- D → Staff Reading Room
- E → IQAC Office
- F → Issue Counter and Display Area
- G → Internet Room
- H → Reading Room IssueCounter
- I → Student Reading Room

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.

The college library has a system to ensure purchase and use of current titles and e-journals.

- In the beginning of each academic year based on requisitions received from faculties, the library committee allocates specific budget to each department for the purchase of new titles and other study material. This allocation is mainly based on following factors:
 - ❖ Students' strength.
 - ❖ Change in syllabus.
 - ❖ Introduction of new courses.
 - ❖ Availability of prescribed textbooks with the library.
 - ❖ Vertical growth.
 - ❖ Prices of the books
 - ❖ Requirements of visually impaired students.

Separate funds are allocated for:

- ❖ Purchase of subject references and text books.
- ❖ Purchase of general references.
- ❖ Purchase of books for competitive examinations.
- ❖ Subscription to periodicals / journals.
- ❖ NLIST Annual membership
- ❖ British council library membership
- ❖ CDs and other materials
- Library has well structured acquisition policy that focuses on systematic collection and development to satisfy the information needs of all stakeholders.
 - ❖ Current catalogues stating titles on various branches of studies are invited from publishers and book sellers. Titles are invited on approval basis. Book reviews in the newspapers/ magazines are browsed regularly to learn about latest publications. Staff members fill up recommendation forms giving details of the required titles.
 - ❖ The library takes due cognizance of students' requests for specific titles/ subjects mentioned in the feedback forms.
 - ❖ Reference books recommended in the syllabi by the university are duly considered.
 - ❖ The library staff studies various discount schemes launched by publishers and/ booksellers.
 - ❖ Selected titles are purchased on approval from the Heads of Departments.
 - ❖ Library is keen about the purchase of titles pertaining to the theme of workshops and conferences organized by the college.
 - ❖ Research journals and general magazines are subscribed to keep readers updated with current information.
 - ❖ Library subscribes to number of Marathi, English and Hindi newspapers for the use by students as well as the faculty and non-teaching staff.

- ❖ The library solicits and avails financial assistance for procurement of books under the schemes of UGC and the University of Mumbai.

Use :

- ❖ Newly arrived titles are displayed in the showcases in the library.
- ❖ Current and back issues of periodicals are displayed in the staff reading room thereby making them easily accessible.
- ❖ Library organizes the exhibition of its collection so that the students get acquainted with it. Theme based book exhibitions are also arranged during workshops and conference organized by the college.
- ❖ Students have open access to the stacking area so that they can browse and select the books of their choice.
- ❖ Text Books pertaining to the syllabus, general ready reference books, daily newspapers and question papers are available at the reading room counter for current reading.
- ❖ Online Public Access Catalogue (OPAC) is available in the library whereby students and faculty browse and search for the required titles.
- ❖ Library has subscribed to NLIST for the availability of e-books and e-journals. The users are provided with individual user ID and password for access and use of e-resources.

- Details of number and amount spent on library holdings:

Library holding	2010-11		2011-12		2012-13		2013-14		2014-15	
	Number	Total Cost								
Text books	1552	162712	2103	303702	2025	262742	2138	288859	1257	155105
Reference books	1171	529266	626	379611	544	320907	434	316023	299	170898
Journals/ Periodicals	87	59633	90	50000	92	55000	93	56200	92	117307
e-resources	Through NLIST	5000								
Any other (specify)	---	---	Thesis - 06	---	CDs- 36	5209	CDs- 08	1800	Thesis - 02	---

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

- **OPAC:** The library has Online Public Access Catalogue where users can browse and search for the titles they require.
- **Electronic Resource Management Package for e-journals:** College library is a member of INFLIBNET-NLIST that gives access to huge number of e-books and e-journals.
- **Federated searching tools to search articles in multiple databases:** Nil
- **Library Website:** Library has its webpage as a part of college website.
- **In-house/remote access to e-publications:** Library has downloaded large number of open access e-resources especially for PG and research students pertaining to their areas of interest. Library provides in-house access to those resources. It has also created user IDs and passwords for the teachers and PG students to avail remote access to the e-resources of NLIST.
- **Library automation:** Earlier, the library had Libsuite Educational software for its management. Recently it has been replaced by SLIM21 to cope with its growing needs.
- **Total number of computers for public access:** 11
The library is equipped with a separate internet room with 10 machines for students and one system for OPAC.
- **Total numbers of printers for public access:** 01 for urgent needs only. The library encourages use of soft copies as its contribution to environmental protection.
- **Internet band width speed:** 20 Mbps
- **Institutional repository:** Nil
- **Content Management System for e-learning:** The library is a member of NLIST that gives access to large number of e-resources. Also, it has one multimedia computer system connected to internet facility. The library has a collection of more than 50 films (educational and international) and audio books which can be accessed on the A/V system in the library.
- **Participation in Resource Sharing Networks/Consortia (Like INFLIBNET):**
- The KVP College is an institutional member of the British Council Library. Library is a part of INFLIBNET-NLIST consortia.

4.2.5 Provide details on the following items:

- **Average number of walk-ins** :200 per day
- **Average number of books issued / returned** :150 per day
- **Ratio of library books to students enrolled** :23 : 1
- **Average number of books added during last three years** : 2198

- **Average number of login to OPAC** :140 per month
- **Average number of login to e-resources** : ---
- **Average number of e-resources downloaded / printed** : ---
- **Number of information literacy trainings organized** :04
- **Details of “weeding out” of books and other materials** :

The library has its weeding policy according to which weeding out of the outdated books and other materials as a result of arrival of new editions and change in syllabus is undertaken. The list of such books is prepared in consultation with the faculty and the Heads of Departments and placed before the Governing body of the college for final approval.

Number of books withdrawn in last five years	4987
Total number of books withdrawn	17337

4.2.6 Give details of the specialized services provided by the library

- **Manuscripts** :Not available.
- **References**:The library has rich collection of reference books pertaining to the subjects taught in the college along with general references and journals. It has also developed a reference collection useful for competitive examinations. Library helps the users by providing required information from print collection or online resources for their project / research work. Library extend its references to the ex students and outhouse users.
- **Reprography** : Reprographic service is available in the college at minimal cost.
- **ILL (Inter Library Loan Service)**:The college library has a regular membership of the British Council Library.
- **Information deployment and notification**: New arrivals are displayed on the display board. Information about the new arrivals is sent to the faculty by email. Current issues of all periodicals are displayed on the display shelves in the staff reading room.
- **Download**: Students and staff members can download the information from the internet provided in Internet hub.
- **Printing**:Printing and scanning facility is available in the college library.
- **Reading list / Bibliography compilation**:The library compiles and prepares the bibliography on demands from the users. It has started e-library services to the faculty active in research. The library staff sends the links or full text material to them related to their area of interest.
- **In-house/ remote access to e-resources**:The library has downloaded large number of open access e-resources especially for PG and research students pertaining to their areas of interest and provides in-house access to those resources. It creates user IDs and passwords to all the teachers and PG students in order to avail remote access to the e-resources of NLIST.

- **User Orientation and awareness:**
When a new batch of students is admitted to the college, they are encouraged to visit the library. Orientation is given to them on how to use the library. The librarian also visits first year classes to provide them information about the use of the library.
Book exhibitions are organized every year in order to make readers aware of the library collection and encourage them to read more. Information about new arrivals is provided through email.
- **Assistance in searching Databases:** The library staff helps users search OPAC and information from internet. The library conducts information literacy programmes for PG and research students on how to search e-resources, open access resources, resources through NLIST. Guidance is also provided regarding the use of reference management tools like Zotero.
- **INFLIBNET/IUC facilities:** The library has been a member of INFLIBNET-NLIST. Our college was listed amongst the top 10 users of NLIST across the nation during the year 2013-14.

4.2.7 Enumerate the support provided by the Library staff to the students and teachers of the college.

The library staff provides the support to the students and teachers in the following manner:

- Assistance in searching the literature; print and online.
- Timely issuance and return of books.
- Maintain peaceful and academic environment in the reading section.
- Distribution of textbooks to the needy and deserving students through SAF book bank scheme.
- Work related to financial assistance through SAF.
- Implementation of group book bank facility.
- Providing old question paper sets for reference.
- Maintaining newspaper cuttings for certain useful topics such as higher education, career guidance, environmental awareness, etc.
- Preparation and distribution of computerized ID cards.
- Implementation of Vice Chancellor's Personal Library scheme.
- Regularly updating the users on recent additions according to their area of interest through emails.
- Periodic display of relevant information from newspapers and journals on the library display board.

4.2.8 What are the special facilities offered by the library to the visually / physically challenged persons? Give details.

The library is located on the ground floor which provides easy access to physically challenged students. The library collection has Braille publications 'Blind Welfare' and 'Reliance Dristi' (published by NAB) and more than 20 books and lecture series in audio form.

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

Yes, users' feedback is collected by the IQAC of the college through feedback forms and suggestion box. In the year 2014-15 users' survey was conducted on large scale. The feedback is analyzed and the suggestions / shortcomings in the library services are considered for further policy decisions and improvement.

The library prepared formal questionnaire to get feedback from the users.

Major findings of the analysis are:

- Maximum number of students prefers visiting the library at least 2/3 times a week.
- Among the core library facilities, maximum numbers of students take benefit of reading room and book home issue facility.
- Majority of the students, (66.87%) do not face any problem in getting the required books from the library.
- Subject reference books and textbooks are in more demand as compared to general reference books.
- Maximum number of students use the reading room for reading the text books.
- Magazines and periodicals are not read much by the students.

Implementations with respect to students' feedback:

- Survey reveals that the use of magazines and periodicals is very low. During library orientation students are encouraged more towards reading journals and magazines for current information on various issues.
- According to one of the points stated in the feedback, students should get the opportunity to recommend the books for the library that they like to read. Considering this, book recommendation forms are made available to students.
- As per the suggestion received from the faculty, more number of journals are prescribed to.

4.3 IT Infrastructure

4.3.1 Give details on the computing facility available (hardware and software) at the institution.

- **Number of computers with configuration** :233 computers and 6 Laptops

(Provide actual number with exact configuration of each available system)

The college has five computer laboratories catering the needs of students from different programs. Each department is provided with a computer system. College office, Account section, Examination section and College library are also computerized.

Configuration of computer systems:

Configuration			Number of Computers
Model	RAM	HD	
Celeron B820, 1.7GHz	2GB	320GB	01
Intel Pentium, 2.8GHz	1GB	40GB	05
Intel Pentium-4, 2.66GHz	1.5GB	250GB	01
Intel Pentium-4, 3.06GHz	1.5GB	40GB	01
Intel Pentium-4, 3.06GHz	1GB	80GB	08
Intel Pentium-4, 3.06GHz	512MB	80GB	01
Intel Pentium-4, 3.19GHz	1GB	80Gb	01
Intel Pentium G630, 2.7GHz	1GB	500+250GB	01
Intel Pentium G630, 2.7GHz	2GB	500GB	10
Intel Pentium G2030, 3GHz	2GB	500GB	12
Intel Core 2 Duo E4500, 2.2GHz	1GB	160GB	02
Intel Core 2 Duo E4500, 2.2GHz	1GB	80GB	05
Intel Core 2 Duo E7200, 2.53GHz	1Gb	250GB	01
Intel Core 2 Duo E7300, 2.66GHz	1GB	160GB	02
Intel Core 2 Duo E7300, 2.66GHz	1GB	80GB	01
Intel Core 2 Duo E7300, 2.66GHz	4GB	160GB	01
Intel Core 2 Duo E7400, 2.8GHz	1GB	160GB	40
Intel Core 2 Duo E7400, 2.8GHz	2GB	250GB	03
Intel Core 2 Duo E7500, 2.66GHz	4GB	160GB	01
Intel Core 2 Duo E7500, 2.8GHz	1GB	80GB	01
Intel Core 2 Duo E7500, 2.92GHz	1GB	80GB	02
Intel Core 2 Duo E7500, 2.93GHz	1GB	80GB	01
Intel Core 2 Duo E7500, 2.92GHz	1GB	160GB	01
Intel Core 2 Duo E7500, 2.93GHz	1GB	160GB	02
Intel Core 2 Duo E7500, 2.93GHz	1GB	250GB	21
Intel Core 2 Duo E7500, 2.93GHz	1GB	500GB	01
Intel Dual Core	1GB	80GB	01

Intel Pentium Dual Core, 2.66GHz	1GB	160GB	01
Intel Pentium Dual Core G630, 2.7GHz	2GB	500GB	01
Intel Pentium Dual Core G2030, 3GHz	2GB	500GB	02
Intel Pentium Dual Core E5300, 2.6GHz	1GB	160GB	04
Intel Pentium Dual Core E5300, 2.6GHz	2GB	580GB	01
Intel Pentium Dual Core E5700, 3GHz	2GB	500GB	03
Intel Pentium Dual Core E5800, 3.2GHz	2GB	80GB	02
Intel Pentium Dual Core E5800,3.2GHz	2GB	500GB	15
Intel Pentium DualCore E6600,3.06GHz	2GB	500GB	47
Intel Pentium Dual Core G645, 2.9GHz	2GB	500GB	20
Intel Core-i3 3150, 3.5GHz	4GB	500Gb	10
TOTAL			233

Configuration of Laptops: 08

Model	RAM	HD	Number
Intel Core3 M350, 2.77GHz	2GB	500GB	01
Intel Atom N150 1.66GHz (SAMSUNG)	1GB	160GB	03
Intel Atom (Lenovo)	1GB	160GB	02
Intel Atom (HP)	1GB	160GB	01
Intel Core-i3	3GB	500GB	01

- **Computer student ratio** :1:6
 Total number of students studying computer related subjects :970
 Number of computers for the students to perform their practical :162
 Though the overall computer student ratio is 1:6, during practical sessions 1:1 ratio is maintained.
- **Stand alone facility:** The laptops are used as standalone facility.
- **LAN facility:** All computers on the campus are connected by LAN which is managed and controlled by high end servers installed in the server room. Computer lab, IT lab, Library, Office and Examination section have their individual network.
- **Licensed software:** The College has procured the following licensed softwares.
 - ❖ GRAM++ GIS Software
 - ❖ SLIM-21 Library Software
 - ❖ RISO Examination Software
 - ❖ Coot and CCP4i (Structural Biology - Biotechnology)
 - ❖ Rasmol (3D Structural Analysis - Biotechnology)
 - ❖ Arguslab (Docking Exercise - Biotechnology)
 - ❖ Tally.ERP 9 Gold
 - ❖ Tally.Server 9
 - ❖ MS Office Professional Plus 2013
 - ❖ MS Visual Studio Professional with MSDN 2012

- ❖ MS Exchange Server – Standard 2913
- ❖ MS Exchange Server – Standard 2913 cal – Device CAL
- ❖ MS Lync Server Standard 2013 – Device CAL
- ❖ MS Share Point Server Standard 2012 CAL – Device CAL
- ❖ MS SQL Server – Standard
- ❖ MS System Center Configuration Manager Client ML 2012
- ❖ MS System Center Endpoint Protection 2102
- ❖ MS Windows Server 2012 – Device CAL
- ❖ MS Windows Server 2012 – Standard
- ❖ MS Windows 8 Enterprise
- ❖ MS Windows Vista – KMS
- ❖ MS Windows Vista – MAK
- ❖ MS Windows Thin PC MAK
- ❖ MS Office Professional 2013 MAK
- ❖ MS office Pro Plus 2013 MAK
- ❖ MS office XP Prof, x64 Ed.
- ❖ MS Windows 8 MAK
- ❖ MS Windows 8 KMS
- ❖ MS Win 7 – MAK
- ❖ MS Office 2010 Suites and Apps KMS
- ❖ MS Windows XP Professional
- ❖ MS Win 7 – KMS
- ❖ MS Office 2013 Suites and Apps KMS
- ❖ MS Office 2007 Suites
- ❖ MS Windows Web/HPC Srv 2008 KMS A
- ❖ MS Win Srv 2008 R2 Data Ctr/Itan KMS C
- ❖ MS Windows Web/HPC Srv 2008 R2 KMS A
- ❖ MS Win Srv 2008 R2 Data Ctr/Itanium - MAK C
- ❖ MS Win Srv 2008 Data Ctr/Itan MAK C
- ❖ MS Windows Web/HPC Srv 2008 R2 MAK A
- ❖ MS Windows Server 2008 Std/Ent KMS B
- ❖ MS Windows Server 2008 R2 Std/Ent KMS B
- ❖ MS Windows Web/HPC Srv 2008 MAK A
- ❖ MS Win Srv 2008 Data Ctr/Itan KMS C
- ❖ MS Windows XP Tablet PC Edition
- ❖ MS Windows Server 2008 R2 Std/Ent MAK B
- ❖ MS Windows Server 2008 Std/Ent KMS B
- ❖ MS Windows Srv 2012 Standard MAK B
- ❖ MS Win Srv Essentials 2012 MAK
- ❖ MS Win SBS Std/Essentials 2011 MAK
- ❖ MS Windows Srv 2012 Data Ctr/Std KMS

- **Number of nodes / computers with Internet facility : 233**
Internet facility is provided to all computers on the campus through high speed broad band connection.
- **Any other :**

Printers: 36 + 2 ID card printers

Model	Number
Canon 2900B	14
Canon Scan Lid 110	02
Epson LQ 300+	07
HP 2645 DeskJet	02
HP 1018	01
HP 1020	06
HP 1022	04
Smart-505 (ID Card printer)	02

LCD Projectors: 12

Epson	03
BenQ	05
Sony	03
Ritchie	01

Scanners :06

HP Scanjet-2400	01
HP Scanjet-200	01
Canon- LiDE110	04

Barcode readers :03

AS-8000URG 03

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus.

- 20 mbps Internet Connection procured from BSNL under NMEICT.
- Mobile Broadband connection – HUAWEI Power-Fi.
- Unlimited Web Space for dedicated institutional Email-id.
- Dedicated Internet hub for students and the staff in the library.
- All computers in the laboratories and departments are provided with the internet facility.

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

There is a rapid development in the IT sector. To cope up with it and to satisfy the needs of changing syllabi, the college deploys and upgrades its IT infrastructure and associated facilities. It includes hardware as well as software. Centralized backup system and separate backup systems are installed in the library, office and examination section.

4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years).

Particulars of provision made in annual budget	2010-11	2011-12	2012-2013	2013-14	2014-15
Procurement	575,000	357,500	760,000	492,800	425,000
Upgradation	100,000	271,000	120,000	210,000	175,000
Maintenance	240,600	118,000	380,450	460,900	180,500
Total	915,600	746,500	,1260,450	1,163,700	780,500

The institution has appointed a fulltime maintenance contractor to manage the campus network and handle the trouble shooting (hardware/software) of computer systems. To safeguard the computer systems from voltage fluctuations all systems are provided with the UPSs.

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

The institution facilitates extensive use of ICT resources by its staff and students by providing the following facilities:

- Two Seminar Halls with Internet, Public Address System and Projection facility.
- Audio Visual room with ICT facility.
- LCD projectors.
- Over head projector
- e-books and online journals through INFLIBNET-NLIST
- Educational films
- CDs

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line 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 following measures are taken by the Institution:

- Two Seminar halls and Bioinformatics Laboratory with ICT facility are provided.
- Central computing facility in the library.
- LCD projectors for Power Point presentations made by the teachers and students.
- Access to e-books and e-journals.
- Access to the internet provided in the departments.
- Departmental library and group book bank facility.
- Giving an opportunity and funding students to attend conferences and present papers.

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 allocation during last four years)?

Institute ensures optimal allocation and utilization of available financial resources for maintenance and upkeep of the buildings, furniture, computers and other instruments. Needs of various departments are collected from Head of departments. Requirements about additional classrooms/laboratories and renovation/maintenance of existing infrastructure are identified. The computers, air conditioners, pest control, Water purifiers, photo copy machine, high speed printer, CCTV surveillance system are under annual maintenance contract.

Sr. No.	Particulars	Yearly Budget Allocation (in Rs.)				
		2010-11	2011-12	2012-13	2013-14	2014-15
a.	Building	----	26,450,000	19,700,000	13,150,000	2,000,000
b.	Furniture	420,000	1,065,000	1,075,000	320,000	120,000
c.	Equipment	175,000	100,000	785,000	75,500	735,000
d.	Computers	675,000	557,500	880,000	492,800	545,000
e.	Vehicles	----	----	----	----	----
f.	CCTV Camera	----	400,000	100,000	350,000	110,000
g.	A/C, Inverter, UPS	----	28,572,500	25,400	275,500	290,000

h.	Security cabin	----	----	500,000	----	----
	Total	1,270,000	28,572,500	23,065,400	14,663,800	3,800,400

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

- The maintenance and upkeep of infrastructure, facilities and equipment's is taken care of by the management.
- Safety and security of students and staff is also given the importance. In view of this fire fighting equipment's are installed by the management.
- Two buildings are interconnected at all floors by constructing the bridges between them.
- Two additional staircases are also constructed.
- The maintenance of laboratory equipment's is looked into in consultation with concerned head of the department.
- Stock verification is done at the end of every academic year. The equipment's needing repairs are listed and arrangements are made for their repairs during holidays

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

The institution takes up calibration and other precision measures at the beginning of every academic year and at the time when a fault is noticed. At the end of every academic year the concerned staff members check and identify such instruments for further action.

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

- Equipment's are kept in safe environment.
- Two generator sets (50 KVA and 100KVA) are installed.
- UPS backup is provided to computers.
- Transformer HT Substation allotted by Electricity Company is set up and maintained.
- Overhead and underground water tanks with pumps for constant water supply are maintained.

Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.

- **CCTV cameras:** The campus including the laboratories, library and office is under electronic surveillance.
- **STP:** The management has decided to implement a drive of green campus as a result of which the requirement of water went up. Hence the decision was taken to install a sewerage treatment plant thereby avoiding wastage of the water and at the same time recycling the same for watering plants, trees and gardens in the campus. This has resulted in saving recurring cost.
- **Fire Fighting System:** With a view to obviate the risk of outbreak of fire in the college campus, the management installed firefighting system throughout the college buildings. In addition to this fire extinguishers are also installed at different locations to fight localized outbreak of fire. They are regularly serviced and refilled.

Criterion V: Student Support and Progression

5.1 Student Mentoring and Support

5.1.1. Does the institution publish its updated prospectus? If yes, what is the information provided to the students through these documents and how does the institution ensure its commitment and accountability?

The institution publishes and updates its prospectus annually. Since the prospectus is the mouth-piece of an institution, it disseminates all the information required by its important stakeholders- viz. students and parents. The compendious and student-friendly information provided by the college prospectus is as follows:

- Hon. Chairman's message.
- List of the hon. members of the managing committee with photographs.
- Names of Principal and Vice Principals with photographs
- Principal's message
- Brief profile of Dombivli Shikshan Prasarak Mandal.
- List of the teaching faculty members and their qualifications.
- Course structure for all the programmes with subject combinations.
- Details regarding admission procedure.
- Procedure for cancellation of admission and refund policy.
- General information about the institution including Library, Gymkhana, Students' Council and also about activities such as NSS, NCC, College Magazine (Aksharvel).
- SAF, Book Bank, Placement Cell, Counseling Center etc.
- Rules regarding bus/railway concession.
- General rules of discipline.
- Information regarding scholarships and fee waivers offered by the government.
- List of Endowment prizes.
- Special request to parents/ guardians regarding code of conduct and campus discipline.
- ❖ New facilities created

The institution ensures accountability and commitment by strictly adhering to the rules and regulations mentioned in the prospectus. In the interest of the students, the information that is published in the

prospectus is also provided on the college website:
www.kvpendharkarcollege.org

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

The college has a structured “**Students’ Aid Fund**” committee through which it provides financial aid to economically disadvantaged students. The committee creates awareness among students about various schemes through notification on notice boards as well as by circulating notices in the classrooms. To avail the benefit, students are required to submit a written request in the prescribed format to the committee. After scrutinizing the requests the committee disburses the funds as assistance towards tuition fees.

Economically underprivileged students are also provided books from the Book-bank.

Need based financial support towards medical expenses is also extended to students by SAF.

In addition to the above mentioned assistance the college also provides financial aid to students based on their academic achievements, excellence in sports and games, cultural activities etc.

The year wise details of disbursement of monetary assistance by Students Aid funds, Book Bank, Gymkhana, Youth festival & Art circle are as follows: (amounts in rupees)

Sr. No.	Year	SAF	Book-bank, new books	Gymkhana	Youth festivals & Cultural activities
1	2010- 11	68,850	23,734	2,51,326	2,43,552
2	2011-12	1,71,450	12,409	71,137	1,66,472
3	2012-13	1,07,200	55,167	1,84,711	78,151
4	2013-14	1,23,400	53,446	81,428	1,50,155
5	2014-15	67,570	39,326	1,71,095	91,540

Amounts in Rs.

The college has a unique way to help students with respect to reference books called “**Group Book Bank**”. Small groups of 5-8 students are formed as per students’ requirement and expensive reference books are

issued to groups for the entire academic year. The details of the beneficiaries are stated below.

Sr. No.	Year	Number of students benefited (Book-Bank)		Number of students benefited (Group Book-Bank)	
		Reserved category	Others	No. of Students	No. of Books used
1	2010-11	280	31	26	84
2	2011-12	299	76	57	99
3	2012-13	200	35	31	53
4	2013-14	200	46	NA	NA
5	2014-15	167	40	10	43

The college ensures the timely disbursement of financial aid received from various agencies to the beneficiaries.

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

Fee waivers and scholarships provided by Government agencies are extended to reserved category students belonging to SC/ST/NT/OBC and EBC. To avail these benefits students need to apply and follow the required procedure which is notified well in advance mentioning the list of documents required to be submitted.

The following table shows number of students availing benefits of fee waivers and scholarships:

Sr. No.	Year	Amount Rs.	No. of beneficiaries	Total number of students	%
1	2010-11	6,13,880/-	106	3052	03.47
2	2011-12	21,29,107/-	343	2939	11.67
3	2012-13	12,38,673/-	184	3441	05.38
4	2013-14	24,52,595/-	221	3625	06.10
5	2014-15	45,59,145/-	445	3195	13.93

5.1.4. What are the specific support services/facilities available for:

- **Students from SC/ST/OBC and economically weaker sections**
- **Students with physical disabilities**
- **Overseas students**
- **Students to participate in various competitions/National and International**

- **Medical assistance to students: health centre, health insurance etc.**
- **Organizing coaching classes for competitive exams**
- **Skill development (spoken English, computer literacy, etc.)**
- **Support for “slow learners”**
- **Exposures of students to other institutions of higher learning/ corporate/business house etc.**
- **Publication of student magazines**

The specific support services/facilities available for:

- **Students from SC/ST/OBC and economically weaker sections**
 - ❖ The Institution follows inclusive principles and strives to provide equal opportunities to socially and economically disadvantaged students.
 - ❖ Statutory reservation policies of the government towards SC, ST, NT, VJNT, SBC and OBC are strictly adhered to.
 - ❖ During admission process separate merit lists are prepared and displayed.
 - ❖ The college makes discreet efforts for the SC, ST and economically disadvantaged students to make them aware to avail state and government scholarships and fee waivers of various kinds.
 - ❖ Concessions in fees are also offered to deserving and needy students.
 - ❖ The Students’ Aid Fund Committee on request by economically disadvantaged students may make entire or partial payment of fees applicable to them.
 - ❖ In addition to the general and the departmental libraries, the book-bank scheme lends text books to underprivileged students for the entire year.
 - ❖ Career guidance and placement support.
 - ❖ Personal counseling.

- **Students with physical disabilities**

The college aims to achieve an inclusive academic ambience for the incapacitated and make sincere efforts to provide them all possible amenities/facilities:

- ❖ Reservation policy is followed in admissions.
- ❖ The institution facilitates government scholarships to such students.
- ❖ Scribe is provided during examinations for visually challenged students and extra time is allotted to them during the examinations.

- ❖ Lectures and examinations are preferably conducted on the first floor.
- ❖ First-aid kits are kept handy at different places and doctor- on - call is available in case of emergency.
- ❖ Class-In-charge is encouraged to play an important role in creating a comfort zone for such students.
- ❖ Peers are requested to take care of the special needs of the challenged students.
- ❖ All possible humanitarian help is extended to such students.
- ❖ Central Library, reading room and common internet facilities are located in the ground floor.

• **Overseas students**

- ❖ At present we do not have any overseas students.
- ❖ With the finalization of MoU with **The Juarez Autonomous University of Tabasco– Mexico**, we may have overseas students in near future. We shall provide the necessary support to such students as and when required.

• **Students to participate in various competitions (National and International)**

The college takes proactive measures to encourage students to participate in various competitions to make them physically fit and socially and culturally aware and responsible.

- ❖ Students proficient in sports are offered sports kits, sportswear and financial assistance.
- ❖ Conveyance and other allowances are provided by the college to the students so that they can participate in various workshops, various sports events, literary and cultural competitions held during Youth festivals both at regional and national levels.
- ❖ Nominated faculty/sports committee member accompany students.
- ❖ Students who miss classes and/or practical sessions due to participation in sports and extracurricular activities are offered special sessions by respective faculty.
- ❖ Remission in attendance is given to such students.
- ❖ The achievements are mentioned in reports published in the college magazine. Achievers are given due fame by displaying their accomplishments on Notice Board.
- ❖ NSS volunteers and NCC cadets attend various university, state and national programmes and camps.

- ❖ Concession for being a member of Health Club.
- **Medical assistance to students: health center, health insurance etc.**

The presence of large number of students in the college campus makes it mandatory to have proper and timely medical assistance during emergency.

- ❖ First Aid facility is available and is administered to students who fall sick on the college premises.
- ❖ Need based financial support is also extended to students by SAF.
- ❖ The college has MoU with a renowned hospital, namely Mamata Hospital for any emergency eventuality.
- ❖ College vehicle is available during college hours in case of emergency.
- ❖ Blood screening camps, health check-up camps are organized annually.
- ❖ The college has a group insurance facility covering all students on an annual contribution of Rs. 20/- per student. The scheme is in place since 2004. The college has also availed the benefits of the insurance scheme on a few occasions including two accidental death claims outside the college.
- ❖ Well-equipped Gymnasium for fitness.

- **Organizing coaching classes for competitive exams**

The institution makes sincere efforts to encourage students to appear for competitive examinations of different kinds.

- ❖ The college library has a sustained collection of books and study materials to help students appearing for competitive examinations. They are stacked separately for easy accessibility.
- ❖ Many faculty members informally provide guidance to those who desire to take competitive exams.

- **Skill development (spoken English, computer literacy, etc.)**

Skill development is a necessary component in designing and development of curriculum. The College imparts various skills such as stated below.

- ❖ Placement Cell conducts pre-placement training programmes on Resume Building, Mock Interviews and Group Discussions.

- ❖ Certificate courses are offered to students to hone their skills in various subjects such as Industrial Chemistry, experimental Physics, Accountancy, Psychology, History, Economics, English, Retail marketing, Bio-informatics etc.
- ❖ Students are assigned various responsibilities in organizing the College Fest viz. finding sponsorships, planning competitions, promotion and publicity etc. Such tasks offer them opportunities to develop leadership quality, negotiation skills, social skills, team spirit etc.
- ❖ The volunteers of KVP ROTRACTS manage all activities from planning, designing, funding to execution entirely by themselves – *LEARNING SKILLS BY EXPERIENCE*.
- ❖ The college boosts and encourages film appreciation skills through its in-house film society “**The Bioscope Bugs**”. It screens movies of repute, organizes film festivals, an intercollegiate film-based quiz competition ‘*Cine Quest*’ and also in-house film festival “**The Bioscope Utsav**”.
- ❖ Yoga and Pranayama Sessions are conducted for female students.
- ❖ To promote leadership and decision making qualities, students are selected to lead NCC units, NSS units and students’ council.
- ❖ Elocution and debating competitions are conducted by various associations to inculcate focused thinking.

- **Support for “slow learners”**

Academically weak students are identified on the basis of their performance in the continuous assessment programme and are provided additional assistance in the form of:

- ❖ Bridge course/ remedial coaching/ extra practical sessions.
- ❖ Special study materials and question banks.
- ❖ Continuous internal assessments and class tests.
- ❖ Personal guidance.
- ❖ Mentoring.
- ❖ Parent-teacher interaction.

- **Exposures of students to other institutions of higher learning/ corporate/business house etc.**

The college encourages experiential learning by organizing field and industrial visits viz. to dairies/animal husbandry centres, industries, research laboratories, higher learning institutions, field excursions and study tours.

- ❖ Departments identify appropriate industry/institution of higher learning which would supplement formal learning.
- ❖ The college makes all necessary arrangements to make such visits a wholesome learning experience.
- ❖ Faculty members accompany the students and guide them effectively.

- **Publication of student magazines**

To encourage creativity and writing skills, students are offered numerous appropriate platforms.

- ❖ The yearly magazine “*Aksharvel*” has been nominated for and has secured several times ‘the best magazine award’ in the Konkan region.
- ❖ It contains articles by students, details of the meritorious students, academic rank holders, and achievers in sports, NCC, NSS and cultural activities.
- ❖ It also incorporates annual report of the college activities, departmental reports on student activities.

Students are encouraged to publish in the wall-magazines, departmental magazines published by different departments. Twelve departments have published the magazines. Department of Computer Science and IT have published Blog.

5.1.5. Describe the efforts made by the institution to facilitate entrepreneurial skills among the students and the impact of the efforts.

The college adopts measures to develop entrepreneurial skills among its students. The institution regularly organizes visits to various Industries so that students can get glimpses of business environment.

- Workshops are conducted by various departments wherein eminent speakers from corporate sectors interact with the students and instill entrepreneurial skills in them.
- The college provides a platform to develop business skills among the students by organizing a funfair in the annual festival in which students put up their stalls and sell food items prepared by them.
- The Department of Banking and Insurance organizes ‘Economic Exhibition’ wherein students make products from waste material and sell them in the exhibition.

- The departments of Botany and Biotechnology conduct course in horticulture, skills in preparation of jams, pickles, floral bouquets and arrangements, etc. which have commercial implications.
- The institution has established an Entrepreneurial Training Center to inculcate entrepreneurial skills among students.
- These activities instill in the students the core components of Business skills – Costing, Revenue Expenditure and Profitability.
- The institution has signed MoU with “UriviVikram” Charitable Trust which aims at promoting entrepreneurial skills among students through their programmes.
- Visits to a number of NGOs for instance Janani Aasheesh (An Orphanage), Astitva (School for mentally challenged), PAWS (Plants and Animals Welfare Society), Rotract School for the Deaf etc. are organized with the objective of sensitizing the students on social entrepreneurial initiatives by these organizations.
- **The following list of alumni who are entrepreneurs and occupying position of prominence emphasizes the Impact of the efforts taken by the institution for the development of the students:**

Enterpreneurs:

Mr. S. G. Thakurdesai - Partner, Innovative Organics

Dr. Bhushan Kale - Managing Director, Promas Research Laboratories Pvt. Ltd.

Mr. Arvind Nayak - Director, Chemical Industries.

Dr. Ajit Gokhle - Rain Water Harvest Management Consultant

Mr. Umesh Kadam - Consultant Financials Functional and developer– Texas,USA.

Mr. Jitendra Agarwal - Director, Sudevi Chemicals.

Ms. Anagha Maharao - Managing Director, Institute of Pharmaceutical Management, Mumbai

Mr. Jitesh Barot - Animal Husbandry and milk products.

Mr. Yogesh Nakhye - Real Estate

Mr. Shripad Kulkarni - Milk Products

Mr. Yashwant Deshpande - Insurance

Mr. Rambabu Mahato - Insurance

Mr. Radhika Chandran - Insurance

Mr. Abhin Gaikar - Lawyer

Dr. Smita Raste - Smita Herbal, Ayurvedik Formulation.

Alumni at eminent positions:

Dr. Anuja Palsuledesai	Principal, Swami Vivekanand Night College, Dombivli.
Dr. Avinash Patil	Vice-Principal, Birla College, Kalyan.
Ms. Gauri Nigudkar	Cine-Artist
Mr. Akshya Shimpi	Cine-Artist
Ms. Marla Sukesh	Technical Trainer for Microsoft Technologies.
Mr. Girish Kuber	Editor, LokSatta, Express Group
Mr. Shrirang Jahagirdar	General Manager, MIM – SYS, Dubai, UAE.
Mr. Avinash Ignatius Lewis	Senior Engineer, Vienna – Austria, IAEA, UN.
Dr. Avinash Naidu	R & D Manager, US Vitamins
Mr. Shrinivas Modak	Manager – Sales and Marketing, Monarch Catalyst.
Mr. S Vishwaraja	General Manager-laboratory operations, Michrochem, Siliker Pvt. Ltd.

5.1.6. Describe the policies and strategies of the institution which promote participation of students in extracurricular activities such as sports, games, quiz, competitions, debate, discussion and cultural activities etc.

- **Additional academic support, flexibility in exam**
- **Special dietary requirements, sports uniforms and materials**
- **Any other**

The institutional policy is to facilitate maximum number of students to participate in sports, extra-curricular and cultural activities by providing them infrastructural facilities as well as financial help. The proactive efforts have harvested rich dividends in the form of National and International players, National award winners, International Umpires which the institution has produced.

Talent hunt competitions are conducted to identify and motivate students.

- **Additional academic support, flexibility in exam:**
 - ❖ There is a provision of additional examination for those students who fail to appear in regular examination due to their engagement in sports, NCC, NSS activities.
 - ❖ There is also a provision of awarding 10 additional marks to such students as per University rule.

- ❖ Special sessions are conducted by the respective faculty members for the students who fail to attend their lectures and practical sessions due to either ailment or extracurricular activities.
 - ❖ A remedial coaching is conducted and study material is provided to the weaker section of the students.
- **Special dietary requirements, sports uniforms and materials:**
 - ❖ Special food allowance is provided during tournaments and competitions.
 - ❖ Uniform/sportswear is also provided by the institution.
 - ❖ The institution provides sports accessories, financial assistance and other allowances to the students participating in various competitions and sports events.
 - ❖ The institution has a well-equipped Gymkhana.
 - ❖ First aid is provided forthwith, if necessary.
 - ❖ The college management has established a state-of-art gymnasium.
- **Any other:**
 - ❖ The Institution has a '**Youth Festival**' committee for rendering valuable guidance to students participating in various cultural activities.
 - ❖ Special facilities in the form of remission in attendance and additional guidance for those students, who miss lectures due to participation in competitions at the inter-collegiate and university levels such as debates, discussions, sports and cultural activities.
 - ❖ While selecting the most prestigious award of the institution- "Student of the year" due importance is given to excellence in the sports and cultural activities.
 - ❖ The achievers at the state or national level are felicitated by cash prizes and certificates of appreciation at the annual prize distribution ceremony of the institution.
 - ❖ The names of the achievers are published in the college magazine '**Aksharvel**'. The achievers names are glorified on the main notice board.
 - ❖ Every year the institution organizes inter collegiate competitions which provides platform for the students to showcase their hidden talents.
 - ❖ The department of BMS organizes '**OASIS**' where numerous competitions are conducted viz. PPT presentation, Group Discussion, Ad-Mad Show, short films and Elocution.
 - ❖ The department of Banking and Insurance is conducting competitions under title '**Talent Hunt**'.

- ❖ **'Jallosh'** is organized by the departments of Information Technology and Computer science.
- ❖ **'Chemfest'** is organized by the department of Chemistry.
- ❖ **'Psi – Craze'** is organized by the department of Biotechnology.
- ❖ Science association actively assists students in participating in scientific exhibitions organized by different institutions. It also organizes visits to places of scientific importance.
- ❖ The Art Circle committee organizes Mega Talent Hunt Event in which college level competitions on Music, Dance, Theatre and Fine Art are conducted.
- ❖ **The commerce association:** It is an association of the students, by the students and for the students. To enlighten students on various Commerce topics association arranges presentations and speeches of eminent speakers. The association gives opportunity to students to develop their stage speaking ability through Elocution and PPT Competition. Apart from this Business Quiz and Accounts Quiz Competition are organized by association to test and update students' knowledge. As students are involved in organizing various events under the guidance of departmental staff, the managerial and leadership skills of students also develop to the greater extent.
- ❖ The institution strongly believes that training of **NCC** inculcates values like nationalism, patriotism, discipline, team spirit, leadership qualities, self-confidence and overall personality development in the cadets. The institution has a very active NCC unit for boys and girls which conducts numerous programs throughout the year
- ❖ **National Service Scheme (NSS)** - It is a government recognized activity implemented through college students. It assists in personality development and creates aptitude for social service through various social oriented activities.
- ❖ **Rotract club – K. V. Pendharkar College (RCKVPC)** offers a great opportunity to students of K. V. Pendharkar College *to learn beyond curriculum*. Planning, funding, execution, human resource management, leadership, creativity, innovation and to be a good human being - to mention a few, are achieved in this entirely students managed activity. The glory of *RCKVPC* marches on; from 27th ranking to 16th in the district in just three years. (Allotted by Rotract International).
- ❖ A detailed activity report of *RCKVPC* is a delight to be highlighted.

The Journey of RCKVPC (RID 3140)

Rotaract Club of K. V. Pendharkar College is a professional youth organization which aims at self-development through service and fellowship. It is a part of Rotaract District Organization (RID 3140), Mumbai and suburbs, one of the most vibrant branches of world's largest Youth Movement – Rotaract. It believes that it can make a difference.

Inception of Rotaract Club of K. V. Pendharkar College:

Under the aegis of K. V. Pendharkar College and technical support from Rotary Club of Dombivli (West) students amalgamated and founded the Rotaract Club of K. V. Pendharkar College. It was officially chartered on **28th September, 2010**. The objective was to provide an *opportunity* to college students to enhance knowledge and skills required for professional development, to address physical and social needs of their communities, and to promote better relations amongst all people worldwide through a framework of friendship and service.

Rotaract Club of K. V. Pendharkar College has organized a variety of projects and activities in its journey.

Development and achievements:

Rotaract Club of K. V. Pendharkar College stands out as one of the most vibrant clubs of R.I.D 3140. Within five years it has created its own identity all over Mumbai.

It has won nine prestigious awards at different levels

5.1.7. What support and guidance is provided by the institution to the students appearing for competitive exams. Give details of students appeared and qualified in UGC/CSIR NET/ SET/ATE/CAT/GRE/ TOEFL/ GMAT/ Central/State/ Defence/ Civil Services.

Support and guidance provided by the institution to the students appearing for competitive examinations are as follows:

- Study materials and books are available in the college library in a separate section devoted to competitive examinations.
- Faculties motivate students to appear for Civil /Defence Services and also guide such students at individual level.
- Through NCC many cadets get selected into the defence sector.
- Ramdas Bhangre (JRF), Deepapria Vishwaraj (JRF),
- Rohan Pillai (NET), Hemlata Dixit (NET) and Pallavi Sonawane (NET)

5.1.8. What type of counselling services are made available to the students (academic, personal, career and psycho-social etc.)?

The following types of counselling services are provided to students:

- **Academic**
 - ❖ Seminars by renowned institutions in order to counsel students to pursue higher education
 - ❖ Job-oriented and other add-on courses to enable students to meet global challenges.
 - ❖ Guidance regarding various curricular activities viz. projects, assignments, group-discussions, quiz competitions, presentations and remedial coaching
 - ❖ Examination patterns and rules related to newly introduced Credit-based Semester Grading System are elucidated to students through induction programmes organized at departmental levels.
 - ❖ Modules in the compulsory subjects of Foundation Course, Business communication and Communication Skills equip students to groom themselves and face the interview panel with confidence.
 - ❖ Various certificate courses are offered to hone students' skills in Accountancy, Banking and Insurance, Management Studies, Chemistry, English, History, Psychology, Economics etc.

Certificate courses :

- Bio-informatics: Department of Biotechnology - Sponsored by UGC
- Retail Marketing: Department of Commerce - Affiliated to University of Mumbai:

Evolved and managed by various departments of the college:

Sr. No.	Department	Name of Certificate course
1	Accountancy and Accounts and Finance	Taxation
2	Banking and Insurance	Management aspects of Banking and Insurance
3	BMS	Commercial knowledge and Management
4	Botany	Fruit preservation
5	Chemistry	Industrial and Analytical Chemistry
6	Economics	Entrepreneurship Development
7	English	Verbal Communication
8	History	i. Sources of Indian History ii. Buddhist Studies
9	Physics	Physics practical
10	Psychology	Manovedh (on Mental Disorders)

- **Personal and psycho-social**
 - ❖ The college has a counseling cell to provide emotional support to distressed students.
 - ❖ Faculty members are advised to counsel and support students in their personal and career-related problems.
 - ❖ Mentors are appointed for every class to take care of personal and career related difficulties of the students.

- **Career**
 - ❖ Departments arrange career guidance seminars wherein eminent speakers from various institutions provide guidance to students.
 - ❖ The Placement Cell is active on the campus.
 - ❖ Campus interviews are held by various organizations such as HDFC (Life) ICICI, TJSB, DNSB, NCR, AXIS, ICON Hospital, Wipro etc. They evaluate the performance of the candidates on the basis of the following tests: Aptitude, Group Discussion and Personal Interviews.

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).

The institution has a structured mechanism for career guidance and placement of its students. Being close to the metropolitan city (Mumbai) many opportunities for higher studies are available. Most students prefer to avail these opportunities than opting for jobs immediately after graduation.

- The college has a centralized Career Guidance and Placement Cell taking care of students of all the streams.
- Coordinators/Heads of the different departments as well as students are informed regarding the vacancies. Lists of interested students are prepared and then the interviews are conducted either on campus or in the organization premises.

Name of organization (Selected)	Name of organization (Selected)
Arch Pharma (02)	Metlife (14)
Auchtel (01)	Monarch Catalyst (07)
Aviva life (11)	Navteq (05)
Axis Bank (05)	NCR Corporation (13)
Blue DART (05)	PNB Metlife (03)
Dombivli Nagari Sahakari Bank Ltd. (05)	Reelabs Ltd (Crystal solutions) (14)
Godrej and Boyce Mfg. Co. Ltd (07)	Reliance (ADAG) (17)
Great Jobs (44)	Smart Industries Co Pvt Ltd (01)

HDFC Bank (73)	Sohan Dye chem. (03)
HDFC Life (12)	Sutherland Global Services (03)
Hitachi Transport services (08)	Syntel Inc. (06)
ICICI (16)	TCS (06)
ICON Hospital (01- COO)	Thane JanataSahakari Bank ltd. (11)
Indoamines ltd (02)	VVF (03)
Inovative Organics (06)	Wipro (10)
LandTinfotech (07)	

- Career fests are also arranged for the benefit of the students.

The companies which offered placement to the students through the Placement Cell in last five years are as follows:

Several other organizations either visited the college or were in contact with the placement cell. Due to the highly specific interests of the students, opportunities in some of them could not be explored.

Note: In certain cases, data on progression of students is not completely available. Hence, approximate data through the informal contacts from the departments was collected.

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.

The institution has a Student Grievance Redressal Cell comprising the following:

One of the Vice-Principals or a senior faculty is appointed as the Chairperson and the members include representation from non-teaching staff, students and the teaching staff.

In addition, suggestion boxes are placed at strategic places on campus through which students can communicate their suggestions and grievances.

Grievances regarding following matters were redressed in last five years by taking appropriate measures:

- Improvement in canteen facility
- Annexation of Building A and Building B
- Additional Internet facility to the staff and the students
- Health Club facility
- Development of playground
- Additional Potable drinking water facility
- Electricity and voltage fluctuation problem – Additional Generator Set and installation of Electric Transformer on campus for exclusive use.

Pending Grievances: Wireless Fidelity Service (Wi-Fi) not yet installed due to security concerns. The institution is working on the modalities to put it in place without jeopardizing the security concerns.

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

The institutional provisions for resolving issues pertaining to sexual harassment can be summarized as:

- The Women Development Cell of the college is the nodal agency in-charge for resolving issues pertaining to sexual harassment.
- The overall ethos of the institution has always been gender-friendly.
- The Women Development Cell of the college routinely organizes talks, seminars, orientation workshops and counseling sessions to sensitize girl students about their rights.
- Gender sensitization programme is conducted by WDC every year for the first year students. It focuses on sexuality education and is conducted separately for male and female students. Counselors from the NGO “Stree Mukti Sangathana” are invited for the purpose.
- A 24 hour help line for female students is available in case of any emergency.
- Round the clock security guards are deployed at the entrance of the college as well as elsewhere for the safety of female students.
- On occasions like Valentine’s Day, Friendship Day and during cultural festivals, local police station is requested to provide additional security around the institution. This acts as a deterrent against sexual harassment of any sort.
- No cases of sexual harassment were reported till 2013-14. In the year 2013-14, for the first time, two cases were reported to Women Development Cell and were sorted out in a satisfactory manner.
- In addition to WDC, the NSS unit also offers help in sensitization programs by staging street plays.

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?

The general ambience of the college is friendly. Besides, the institution only caters to day scholars. Irrespective of this fact, the following steps are taken to prevent ragging on campus:

- An anti-ragging committee has been constituted comprising the following: One of the Vice-Principals or a senior as the

Chairperson and the members comprising of representation from non-teaching staff, students and other faculty members.

- Most departments organize 'induction sessions' for the newly admitted students. This facilitates healthy dialogue and interaction between senior and junior students and helps prevent ragging.
- Posters and boards indicating consequences of ragging are on display at strategic points on campus. These measures help deter students from activities akin to ragging.
- At the commencement of every academic year, announcements are made through the Public Address System warning students not to involve themselves in activities amounting to ragging.

As a result, no case of ragging has been reported during the last five years or prior to it.

5.1.13. Enumerate the welfare schemes made available to students by the college.

The following welfare schemes are made available to students:

- Book Bank facility.
- INFLIBNET-NLIST.
- Coaching for competitive examinations.
- Free internet facility.
- Photocopying Facility.
- Remedial Coaching.
- Extra coaching to slow and advanced learners.
- Various student-support activities.
- Scholarships to reserve category students.
- Student Aid Fund.
- Provision of paying fees through easy installments.
- Counseling center.
- Free Medical Check-up.
- Yoga for female students and staff.
- Well-equipped gymkhana.
- Play-ground.
- State-of-art gymnasium.
- A large shooting range.
- Financial assistance for participation in sports and extra-curricular activities.
- Special diet to sports personalities and NCC cadets.
- Relaxation in attendance-norms.
- Special guidance sessions and lab work.
- Students' group insurance scheme.
- Emergency medical assistance at Mamata Hospital.
- First Aid Facility.

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?

The College has a registered Alumni Association. It is governed by a charter of laws and code of conduct. It has office bearers and members.

The activities of the Alumni are:

- Enrollment of new members.
- Elections to the office of Alumni association.
- Counsel and encourage current students.
- Participate in academic matters as guest faculty sessions and industrial visits.
- Feedback to start different courses.
- Assist in placement of outgoing graduates and postgraduates. (The alumni, who have their own business establishments help in employment of fresher’s.)
- Guide and help NSS volunteers in participating and performing street plays and other activities. Support NCC cadets in organizing Independence Day and Republic Day parades.
- Help students of Arts Circle and participants in youth festivals with their expertise in cultural activities.

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.

Students progressing to higher education and employment highlights of the trends observed:

Student Progression	2010-11	2011-12	2012-13	2013-14	2014-15
UG to PG	148	289	214	264	153
PG to M.Phil	Nil	Nil	Nil	Nil	Nil
PG to Ph.D	04	Nil	Nil	02	03
EMPLOYED					
Campus Selection	154	62	39	43	23
Other than Campus Recruitment	Data not available				

- There is a distinctive trend among students to opt for post-graduate courses. This can be attributed mainly to increasing demands and better options for post-graduate candidates in the job – market.
- The percentage of students opting for post-graduation courses is about 30%. In addition, every year a large number of students go for higher education/Post Graduate courses such as MBA, MCA etc. which do not require transfer or migration certificate and hence are not recorded. Those preparing for competitive examinations like UPSC, MPSC, Staff Selection examinations and Bank Entrance examinations etc. are also not recorded in the above chart. The data relating to such students has been acquired through informal sources, mainly through ex-students' interaction with the departments. Thus the effective percentage of students opting for post-graduation is believed to exceed 50%.
- Students who are not immediately pursuing post graduate degrees are either employed or self-employed. The data regarding employment other than campus selection is based on approximate figures acquired from informal contacts with students by individual departments.

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.

Results in percentage of students (Programme/course wise) for last five years:

Programme	2010-11	2011-12	2012-13	2013-14	2014-15
B.A.	75.85	74.60	83.87	80.71	76.98
B.Sc.-Bio-Technology	93.55	91.30	71.43	96.77	90.91
B.Sc.-Botany	100.00	66.67	57.69	52.38	95.65
B.Sc.-Chemistry	26.83	56.25	37.93	47.22	84.38
B.Sc.-Computer Sc.	100.00	93.10	60.00	61.11	48.48
B.Sc.- I.T.	----	73.33	75.00	75.68	70.00
B.Sc.-Physics	85.71	----	66.67	66.67	40.00
B.Sc.-Zoology	100.00	100.00	100.00	84.62	100.00
B.Com. (General)	77.59	87.66	85.75	74.88	84.40
B.Com.- A. & F.	----	----	----	----	100.00
B.Com.- B. & I.	86.67	98.11	92.93	61.32	59.73
BMS	86.96	70.49	82.11	68.54	63.95
M.A.- Marathi	28.57	60.00	----	----	----

M.A.- Psychology	83.33	85.71	100.00	71.42	----
M.Sc.- Inorg. Chem.	100.00	100.00	100.00	80.00	----
M.Com.-Adv. Acc.	----	----	100.00	67.57	93.33

Over the years the college results have been consistently higher than the University of Mumbai average.

Details of the University rank holders from the college:

Sr. No.	Name of the Student	Year	Subject	Rank/Position
1	Ms. Christina Thomas (TYBA)	2010-11	English Literature	3rd Rank in University.
2	Ms. Neha Patil (TYBSc)	2011-12	Bio-Technology	1st Rank in University.

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

The Institute undertakes several initiatives to facilitate and encourage student progression to higher level of education and employability. Some of these steps are described below:

- The College offers the following Post Graduate programmes. This enables the students to pursue higher level of education in the college itself.
 - ❖ M.A. in Psychology
 - ❖ M.Com. (Advanced Accountancy)
 - ❖ M.Sc. (by research) in Botany
 - ❖ M.Sc. (by research) in Chemistry
 - ❖ M.Sc. (by papers) in Chemistry
- The college also offers Ph. D. programmes in Botany and Chemistry.
- The placement cell on campus arranges interviews and placements with the industries. This enables the meritorious students to join industries as soon as they complete their graduation.
- The College organizes seminars and guest lectures on various areas for benefit of students such as:
 - ❖ Pioneering research of Boron Nano materials in cancer treatment;
 - ❖ In situ transmission electron microscope observation of graphene and carbon Nano tube growth;
 - ❖ Synthesis and engineering of two dimensional materials;
 - ❖ Micro / Nano structures – concept, importance and application ;
 - ❖ Nano-composites;
 - ❖ Carbon-dots to ferry drugs and controlled release;
 - ❖ Plant metabolism and defense: orchestrated by methyl jasmonate;

- ❖ Synthesis of carbon Nano tubes (CNTs) by Chemical Vapour Deposition using low density polyethylene;
- ❖ Nanoparticles for enhanced transport and reaction rates;
- ❖ Graphene oxide;
- Names of some prominent Personalities of National and International acclaim who visited the Institution:
 - ❖ Prof. Narayan S. Hosmane, Northern Illinois University, USA.
 - ❖ Dr. Newman Michael Splart, CRNS, France.
 - ❖ Dr. Pio Sefuntes Gillardio, The Juarez Autonomous University of Tabasco– Mexico.
 - ❖ Prof. Masaki Tanemura, Nagoya Institute of Technology, Japan.
 - ❖ Dr. Basu Krishnan, Global Manager, Henkel Adhesives. Canada.
 - ❖ Dr. Anjelica S Lopez, The Juarez Autonomous University of Tabasco– Mexico.
 - ❖ Dr. Manisha Sharan, Bakers College, Michigan, USA.
 - ❖ Dr. Golap Kalita, Nagoya Institute of Technology, Japan.
 - ❖ Dr. Pravin Jagdale, Polytechnic of Turin, Italy.
 - ❖ Dr. Kingsuk Mukhopadhyay, Jt. Director, DMSRDO, Kanpur.
 - ❖ Prof. Maheshwar Sharon, Board of Directors, IIT, Mumbai (Retd.).
 - ❖ Dr. Madhuri Sharon, Director, Monad Nanotech Pvt. Ltd, Mumbai.
 - ❖ Prof. Syed Major, Head, Dept. of Physics, IIT, Mumbai
 - ❖ Prof. Rajdip Bandothyaya, IIT, Mumbai.
- Through seminars and guest lectures, the students are exposed to diverse opportunities available in career, higher education and competitive examinations.
- The central library on campus provides books related to entrance exams like CET, TOEFL, GRE, NET/SLET etc. The library is endowed with several books on career including defense entrance examinations, UPSC/MPSC, CA, Law etc. Students also have the internet facility to access information about various higher education programmes.
- Informal career counseling is done by teachers at individual level. The faculty motivates students to pursue higher education programmes.
- Students are encouraged to take part in inter collegiate festivals organized by various colleges in Mumbai and Mumbai Suburban area. This helps students to discover their talents and interests in diverse areas and gives invaluable insight while making career decisions.
- The college has a counseling center that helps students in taking career decisions.
- The College has introduced Add-on courses which cater to the demands of work force. These courses enhance employability skills. Below is the list of these courses:

- ❖ Certificate course in Foreign Trade recognized by Indian Merchants Chamber.
- ❖ Add-on Certificate course in Bio- Informatics (affiliated to the University of Mumbai).
- ❖ Certificate course in Retail marketing.
- ❖ Basic and computerized accounting.
- Academic excellence is emphasized by awarding in the Annual scholars' Day meritorious students (1st, 2nd, and 3rd positions in every class) and subjects toppers at all levels. There are also 'Student of the Year' and 'Reader of the Year' rotating trophies which recognize over all curricular and co-curricular development and excellent reading habits.
- Being the oldest institution of higher education and due to the goodwill that the institution commands in the area, many respectable citizens have instituted endowment prizes in memory of their beloveds. Of late many faculty members also instituted such endowment prizes. The number of endowment prizes is 77 amounting to Rs. 17704/-
- As an extension of our responsibility, the college central library extends on a nominal refundable deposit membership to alumni who are pursuing higher studies in other institutions.

5.2.4. The Institute provides the following singular support to the students who are at a risk of failure and drop-out.

Remedial coaching:

- Remedial courses for weak students who are at a risk of failing. Teachers at individual level conduct doubt clearing sessions.
- The Institute has several students who have taken their primary and higher secondary education in regional media. The teachers at individual level take special efforts to make the concepts clear to these students. Viz.: Explaining these students in the language they are comfortable with.
- Students are encouraged to approach their teachers regarding any doubts which they may have during lectures.

Evaluative Tests and Assignments:

- Prelims for TY classes and internal class tests are conducted which enable students to get an appraisal of their academic performance.
- This also enables the teachers to identify the students who are in need of remedial coaching.
- Assignments are given to the students on regular basis.

Counseling:

The following types of counseling are offered:

Mentoring: The College has implemented the mentoring system wherein every class has a teacher mentor. The mentor counsels the students on

issues related to the academic, social, personal and economic problems. Prior to the mentoring system, the institution since its inception had implemented Class guardian system for the same purpose.

- **Parents – Teachers meetings:** Parents’ – Teachers’ Meetings are conducted on regular basis by all departments. These meetings serve as a platform for the teachers to directly interact with the parents. The academic performance as well as behavioral problems of the students are discussed with parents.
- **Personal counseling:** In addition to the above services personal counseling is provided by the teachers relating to academics.

Attendance:

- The college has an Attendance Committee.
- The list of defaulters is compiled and put on the notice boards.
- This is followed by discussion in the parents meeting and personal counseling with the students by the teachers and rectifying measures are initiated.

Re-exam facility:

- Students can appear for Re- examinations/Additional examinations as per University guidelines if they are unsuccessful in the main exams.
- This facility is also provided to students who are unable to appear for examinations on medical grounds.

Scribe and additional time:

- The facilities of classrooms, scribe and additional time is provided to the physically challenged students during examinations.

Financial Help:

The institution undertakes the following measures to contain the rate of drop outs owing to financial reasons:-

- The college provides financial aid through Student Aid Fund for entire or part payment of the fees.
- The college provides to the needy students the option of paying fees in installments.
- The college offers book bank facility to the economically and academically poor students.

5.3 Student Participation and Activities

5.3.1. List the range of sports and games, cultural and extracurricular activities available to students, provide details of participation and program calendar.

College adopts pro-active policies and strategies to promote extra-curricular activities. Here enlisted are the sports and games, cultural and

extracurricular activities available to students, providing details of participation and program calendar.

Sports and Games:

- The college gymkhana committee with the help of student volunteers plan and execute different events/competitions for the academic year. The list of which is mentioned in Q.4.1.2.b)
- Organizing intra-collegiate annual sports (Krida-ranga) to promote sports among students.
- Arranging supplementary examination in case of clash between internal examination and inter-collegiate events.
- Updating university sports authorities regarding the participation in inter-collegiate sports and games in accordance with the university schedule.
- Selection of team members in case of various team events and intimation to different university bodies.
- Appointment of professional coaches to impart special training.
- Participation in inter-collegiate competition as per university calendar.
- Participation in inter-university competition.
- Participation in state, national and international competition.
- **National Sports Day** is celebrated every year on 29th August in the memory of Hockey Maestro “Major Dhyanchand”.

Co-curricular activities:-

- The extra-curricular and co-curricular committees provide platforms throughout the year to students to pursue their talents through various activities..
- The forums promoting such activities are Arts circle, youth festival committee, Bhasha Bharati, Debating association, Commerce association, Science association, Oasis, Jallosh, Talent hunt, and events like Valay, the Bio-Scope Bugs, the in-house film society.
- The various cultural and other activities promoted are:

1. Anthakshari	2. Drama	3. One Act Play
4. Solo Dance	5. Drawing	6. Paintings
7. Group Dance	8. Elocution	9. Poster Presentation
10. Classical Dance	11. Essay Writing	12. Quiz
13. Western Folk Dance	14. Instrumental Music	15. Rangoli
16. Debate	17. Mehendi	18. Singing (Solo/Group)

The in house film society ‘**The Bioscope Bugs**’ organizes:

- Annual film festival (The Bioscope Utsav).
- Inter collegiate quiz competition on films and film personalities “Cine-Quest”.

- Students make short films and participate in inter collegiate competitions. Some short films have won awards in different competitions. Best short film prize was awarded to Sarvesh Breed for the film, “Love Beyond Words”.

We are amongst few colleges in university of Mumbai who are associate member of Federation of Film Society of India (FFSI).

- In the last four years the number of cadets participated in Regular and Social activities of NCC are as follows:

Year	No. of cadets participated in Regular Activities	No. of awards	No. of social activities	No. of cadets participated in social activities
2010-11	79	07	05	189
2011-12	139	10	07	242
2012-13	204	17	05	231
2013-14	175	07	09	260

Special Achievements in last four years:

- Capt.Dr.Mrs A.K. Ranade has been awarded “Service Medal” by directorate of NCC under Defence Ministry for her dedicated service towards Girl’s NCC unit.
- Late General Arun Kumar Vaidya endowment Prize has been awarded to SU/O Priya P Sannake
- Late Shri R.K.Joshi Endowment Prize has been awarded to Sgt.Jyoti Gaikar.
- Late General Arun Kumar Vaidya Endowment Prize has been awarded to SUO.Kajal Karande
- Late General Arun Kumar Vaidya Endowment Prize was awarded to SUO.Pandey Praveen Ramlagan
- Late General Arun Kumar Vaidya Endowment Prize was awarded to SUO Ghatne Prachi Mohan.
- Late Shri R.K. Joshi Endowment Prize has been awarded to Cdt.Patil Narayan Ratan
- ANO LT Uday Naik was selected as ‘C’Exam Committee Member
- Total 26 Candidate Passed their B Certificate and 21 Passed with C Certificates.
- Hemlata Dixit selected at CISF in SSC

In the last four years the number of volunteers participated in Regular and Social activities of NSS are as follows: Year	No. of Social Activities	No. of volunteers participated in Social Activities	No. of volunteers participated in other Activities	No. of awards
2010-11	11	1000+	27	08
2011-12	21	1500+	131	08
2012-13	25	3000+	01	01
2013-14	30	3000+	--	--

Special Achievement: Dr.Sharad Mahajan (NSS Program Officer) was awarded the Best Program Officer's award for the year 2010-11 by University of Mumbai.

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.

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:

Year 2010-11				
Sr. No.	Name/Group	Class	Competition/Games	Place/Prize/Rank
1	Bhavna Mane	M.A.II	National Senior Softball Championship	Bronze Medal
2	Mandar Kulkarni	T.Y.B.Com.	National Senior Softball Championship	Bronze Medal
3	Vishwanath Shelar	T.Y.B.A.	State Level Body Building	Gold Medal
4	Vishwanath Shelar	T.Y.B.A.	Intercollegiate Best Physique	Bronze Medal
5	Dhanalaxmi Iyer	T.Y.B.A.	Kalyan Dombivli Mayer Monsoon Mini Marathon	Gold Medal
6	Dhanalaxmi Iyer	T.Y.B.A.	Intercollegiate Athletic, 100 mts.	Gold Medal
7	Dhanalaxmi Iyer	T.Y.B.A.	Intercollegiate Athletic, 100 mts.	Silver Medal

8	Hemant Payer	T.Y.B.Sc.	International Yoga Competition	Selected
9	Puja Bangar	F.Y.B.Sc.	Intercollegiate Fencing	Silver Medal
10	Geeta Ambhore	T.Y.B.Com.	Intercollegiate Fencing	Silver Medal
11	Riddhi Deokule	T.Y.B.Com.	Intercollegiate Fencing	Silver Medal
12	Softball College Team			15 Gold Medals
13	Fencing Team			1 Gold Medal
14	Athletic college Team			7 Bronze Medals
15	Base Ball Team			16 Bronze Medals

Year2011-12				
Sr. No.	Name/Group	Class	Competition/ Games	Place/Prize/Rank
1	Vishwanath Shelar	T.Y.B.A.	Body Building	Gold Medal
2	Softball College Team		Softball Competition	16 Bronze Medals
3	Best Physique Team			Won Prize
4	Chess Team		Chess	Won Prize

Year2012-13				
Sr. No.	Name/Group	Class	Competition/Games	Place/Prize/Rank
1	Janhavi Mahadik	S.Y.B.Sc.	Swimming Competition	Gold Medal
2	Janhavi Mahadik	S.Y.B.Sc.	Swimming Intercollegiate Competition	1 Gold Medals 4 Silver Medals 1 Bronze Medal
3	Narayan Gholap	T.Y.B.Sc.	Tennis football	Gold Medal
4	Neha Naik	S.Y.B.Com.	Intercollegiate Judo Competition	Bronze Medal
5	Jyoti Gaikar	S.Y.B.A.	Softball, West Zone, National	Bronze Medal
6	Smita Sawant	S.Y.B.A.	Softball, West Zone, National	Bronze Medal
7	Jayesh Bhurke	S.Y.B.Com.	Softball, West Zone, National	Bronze Medal
8	Neha Kamat	S.Y.B.Com.	Softball, West Zone, National	Bronze Medal
9	Snehal Sukale	S.Y.B.Com.	Softball, West Zone, National	Bronze Medal

			National	
10	Madhuri Pawar	S.Y.B.Com.	Softball, West Zone, National	Bronze Medal

Year2013-14				
Sr. No.	Name/Group	Class	Competition/Games	Place/Prize/Rank
1	Swapnil Ombase	F.Y.B.Com.	National Taekwondo Competition	Bronze Medal
2	Swapnil Ombase	F.Y.B.Com.	Intercollegiate Taekwondo Competition	Bronze Medal
3	Sarvesh Mali	S.Y.B.Sc.	Softball National Tournament	Participated
4	Jayendra Patel	F.Y.B.Sc.	Intercollegiate Gymnastic	Bronze Medal
5	Jayendra Patel	F.Y.B.Sc.	National Level Gymnastic	Participated
6	Janhavi Mahadik	T.Y.B.Sc.	Swimming Intercollegiate Competition	Bronze Medal
7	Pratik Navghare	S.Y.B.A.	Intercollegiate Judo Competition	Bronze Medal
8	Softball Girls Team		Softball Competition	16 Bronze Medals
9	Softball Boys Team		State Level Competition	Participated

Ms. Shraddha M. Chondhe of F. Y. B. A. won Silver medal at the National Yoga competition held in Hyderabad. She is selected for the Asian Cup in Yoga to be held in South Korea and for the World Cup to be held in Dubai.

Extra-curricular activities:

Year2010-11				
Sr. No.	Name	Events/Competition	Rank / Place	Organized by
1	Tanvi Gore	Solo Dance	2 nd Prize	K.G. Joshi College, Thane (Gandharva – 11)
2	Pitambar Jade	Essay Competition	Prize	KVP Library Book Review Competition
3	Group of	Group Dance	3 rd Prize	

	Students Pankaj Patil / Pratiksha Shetty			
4	Group of Students	Dance Competition District Level	1 st Prize	National Service Corporation
5	Group of Students	Intercollegiate Dance Competition	Trophy	Rotaract Club of Railway
6	Hemant Dalvi	Mimicry Youth Festival	1 st Prize	Mumbai University
7	Aniket Satam	Cartooning	3 rd Prize	Mumbai University
8	Madhura Ranade	Light Vocal Singing Competition	Selected state level from Mumbai	Dadar-Matunga Cultural Organization
9	Puja Mule	Debate Competition	1 st Prize	Akhil Bhartiya Marathi Sahitya Sammelan

Year2011-12				
Sr. No.	Name	Events/Competition	Rank / Place	Organized by
1	Mr.Mahesh Gadhare	Youth Festival	Selected for University	Mumbai University
2	Group of Students	Skit Youth Festival	Selected for University	Mumbai University
3	Group of Students	Hindi One Act Play	Selected for University	Mumbai University
4	Group of Students	Instrumental Music Tabla	Selected for University	Mumbai University

Year2012-13				
Sr. No.	Name	Events/Competition	Rank / Place	Organized by
1	Mahesh Gadhve	Tabla, Youth Festival National	1 st Prize	Mumbai University
2	Kalpita Upasani	Music Youth Festival	Consolation Prize	Mumbai University
3	Gayatree Haldavnekar	Elocution	Consolation Prize	Mumbai University
4	Tejas Jagale	Elocution	1 st Prize	Sanskrit Sabha of K.J. Somaiya College,

				Mumbai
5	Tejas Jagale	Elocution	2 nd Prize	Ganraj Yuvak Mandal, Alibag.
6	Aditi Parab	All India Essay Writing Competition	1 st Rank	National Conference on Science
7	Vaishanvi Palsuledesai	Intercollegiate Elocution Competition	1 st Prize	Mumbai University
8	Deepali Thakurdesai	Intercollegiate Elocution Competition	3 rd Prize	Mumbai University

Year 2013-14

Sr. No.	Name	Events/Competition	Rank / Place	Organized by
1	Bhagyashree Dalvi	Essay competition	Gold Medal	CATC Camp, Thane
2	Pramila Wakla	Solo Dance	Gold Medal	ATC Camp, KV3-Colaba, Mumbai
3	Group of Students	Folk Dance	Consolation Prize	Kalarang Festival D.Y. Patil College
4	Nikita Ghag	Essay Competition National Level	17 th Rank in Merit	Competition Success Review Magazine
5	Keshav Pandit	Quiz Competition	1 st Prize	Bharat College, Badlapur
6	Keshav Pandit Lalit Borade	Quiz Competition	3 rd Prize	Ruia College, Mumbai
7	Kadambari Oze	Kathak Dance	Performed Kathak Dance	World Expo Festival held at Istanbul

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 college collects feedback informally. The inputs received are discussed in the staff meeting for further action. IQAC monitors the implementation of the decisions with due consideration to suggestions made by the students.

- Graduates' feedback is sought informally during their visits to the departments wherein the students answer questions related to:
 - Performance of the faculty
 - Objectivity in evaluation
 - Syllabus completion
 - Infrastructural facilities
 - Co-curricular activities
 - Support services
- The feedback is also used for decision making and performance improvement in :
 - Teaching / learning
 - Library facilities
 - Canteen facilities
 - Sports facilities
 - Introduction of new courses
- The college collects feedback from employers regarding the quality of the students and areas for improvement at an informal level. The inputs received are taken in to consideration for framing policy decisions.
- Based on the feedback, Certificate course in Bio-informatics and Nano Science Research Center were started. Institution has been completing the process of starting Ph. D. in Accountancy and Physics.
- Feedback of current students through IQAC regarding improvement of student support is also taken into consideration. Their inputs are consolidated, analyzed and discussed by the heads of the departments during departmental meetings and also by the Principal in the HOD's meeting.
- The Principal discusses relevant issues with respective person in-charge and try to rectify the drawbacks in the support services.

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.

The college consistently encourages students to publish materials like catalogues, wall magazines, college magazine, and other materials. List of publications brought out are:

- The annual magazine - “Aksharvel” to encourage literary qualities amongst students.
- Magazine Committee and staff members encourage students to contribute articles/write-ups, stories, poems, etc. In addition, students are buoyant to improve writing skills.
- Different departments organize Essay Competitions, Paper Presentations and other writing events to promote creativity and enhance communication skills of the students. They are encouraged to participate in Inter-collegiate Competitions. The best performers are felicitated during the annual functions organized by the college.
- The students are encouraged to publish in the wall magazines, departmental magazines published by different departments.

The complete list of publications by different departments is presented hereinabove in point 5.1.4.

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

The institution has a student council, which is a representative body of college students and is a link between the administration and the student populace. It is constituted as per section 40 of Maharashtra University act 1994. It includes –

- The Principal as a chairman
- Principal’s Nominee (Teacher)
- In-Charge of N.C.C. and N.S.S.
- Principal’s Nominee(Student selected on the basis of merit)
- Director of sports and physical education
- Outstanding performer nominated by the Principal from each of the activities like Sports, N.S.S. and N.C.C.

Every year all cultural Events of the annual social are arranged and conducted by the members of the Students council under the guidance of the faculty members.

Major Activities of Students Council

- Organization of Annual Social and Annual Sports
- Organization of Valay and Dhyas (Inter-Collegiate Festivals)
- Celebration of various days which include **No Vehicle day**
- Organizing intercollegiate competitions and association programmes.
- Celebration of Teachers’ Day and Guru Poornima.
- Mahatma Gandhi’s death anniversary is observed as ‘Martyr’s day’.

Funding

A Portion from fee collection is allocated to student's Council

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

- The institution has several academic Committees/Associations. They all work with student representatives.
- These Committees/Associations consist of faculty members and later the committee members select a group of students to act as representative for steering the activities conducted under the banner of the Committees/Associations.
- The representatives perform various tasks such as making announcement in the class to encourage students to participate in various events. They plan programs, make stage arrangement, anchor and organize events etc. Each of this academic body tries to seek huge student participation.
- Student representatives are appointed on various committees.
- Students are also involved in the organization of seminars and conferences organized by their respective departments.

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

Through Alumni Association, the college has established rapport with the alumni of the institution. They conduct various programmes for student's progression and their overall development.

The college maintains relationship with the alumni and former faculty through;

- Social Networking sites
- e – mails
- Seminars, Conferences, Workshops
- Guest Lectures by alumni and former faculty in the area of specialization.
- Placement of students through alumni who have started their own industrial setup or occupy positions of repute.

Some alumni members who have achieved significant positions share their experience with the students of the college. They guide and motivate our students to shape their career.

Many of our alumni visit College regularly and participate in various activities and contribute to the development of the College.

College has extended its standing invitation to Alumni members for:

- Republic Day, Independence Day and NCC Day.
- Contribution to the development of the College.

- Former NCC cadets help in preparation for ceremonial parades.
- Former NSS volunteers visit during residential camps.
- Invitation is extended to them for delivering lectures on various topics and also helps in placement services.

Former Faculties:

- The institution also maintains a good network with its former faculty members. They are invited for guest lectures and to participate in workshops, seminars and conferences.
- Former faculties as well as alumni are included in the advisory body in most of the conferences and workshops organized by the college to avail their expertise and experiences.

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: -We aspire to be a model institution of higher education, an ideal centre of learning catering to the multiple needs of students-fraternity, shaping their overall personality, creating a healthy teaching – learning atmosphere to make students morally conscious and socially responsible human beings and to enhance their employability.

Mission:-Academic excellence is essential but it is not enough to make the person responsible citizen of society. It should be guided by conscience. The journey should be from darkness of ignorance to the light of knowledge and from unrighteous to righteous actions.

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

Role of Top Management:

- Top Management as per its Vision sets the mission. To achieve the mission long term plans are prepared by top Management after thorough discussion with all stakeholders.
- For the attainment of prepared plans the responsibility of providing required infrastructure and resources is taken up by the management.
- To check the effective implementation of policies and plans management has put in place well defined review procedure.

Role of the Principal:

- Long term plans prepared by the Management are implemented by Principal by dividing them into short term goals to be achieved through Heads of Department and Co-ordinators.
- Principal instructs the respective Heads to prepare annual Calendar for implementation of the plans.
- To ensure effective implementation a feedback is obtained from time to time by the Principal.

- In case of nonattainment of the plan the modification are suggested for its proper implementation.
- Principal prepares and sends periodic reports about compliance of plans and policies to the Top Management which takes review of the same.

Role of the Faculty:

- Faculty members are made aware and involved in preparing short term plans through the Academic Calendar.
- The schedules shown in the Calendar are in conformity with the plans prepared.
- Heads of department submit the report on the implementation of plans.

6.1.3 What is the involvement of the leadership in ensuring:

The policy statements and action plans for fulfilment of the stated mission

The policy statements and action plans are implemented in participative manner involving Principal, Vice Principals, Local Managing Committee Members, Co-ordinator of IQAC, Heads of Department and Co-ordinators of unaided programmes.

The effective implementation of policies and plans are ensured by periodic review.

Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan

To implement vision and mission and achieve short term goals overall plan of the College is prepared with academic and extracurricular goals in view.

These goals are achieved by preparing committees and subcommittees comprising of all faculty for effective implementation.

Interaction with stakeholders

In addition to the above measures, interactions with indirect stakeholders such as the experts and professionals from industries, eminent citizens and scientists and social activists helps us in quality enhancement.

Such interactions takes place at all levels of the organization.

Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders

The feedback of interaction with stakeholders is analysed and used as a basis for modification of policies and plans.

For example

Student feedback is used for improvement in facilities and academics.
Result Analysis helps in designing remedial courses.

Reinforcing the culture of excellence

Academics

Facilities

Administration

Through the following initiatives the institution tries to imbibe culture of excellence in all spheres of its activities

Academic excellence is achieved by giving students opportunities for vertical growth as well as by introducing courses which would enhance their employability. The students are honoured for their achievements. Critical appraisal of performance of teachers is also carried out by IQAC to achieve academic excellence.

In order to support attempts for excellence the Management tries to provide best possible infrastructure by constantly enriching library, gymkhana, and through automation of the administrative operations. It also periodically, reviews performance of nonteaching staff who are involved in administration.

Champion organizational change

Changes are initiated in all areas of organization like Academic and Administration

Academic – Initiation of new courses to improve quality.

Administration- Well defined office procedures are adopted to improve the Administration. Training is provided to the office staff in use of latest software.

Human Resource- To create conducive environment for future growth the management provides equal opportunities to Senior and Junior staff in every field of activities. Policy regarding HR is modified as per requirement.

Thus equal opportunities are provided to all for future growth

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?

- The institutional policies and plans are clearly communicated down the hierarchy. Similarly any suggestions for modifications thereto are clearly communicated upwards in the hierarchy. This ensures clarity on policies and plans at both the ends. Due discussion takes place on policies and plans at the meeting of local managing committee where teaching and non teaching representatives are members. This in turn ensures that the spirit behind policies framed and plans prepared reach the teaching as well as non teaching staff.
- Heads and Co-ordinators of various departments and chairpersons of various committees present the report of activities conducted to the Principal and Vice Principals.
- Co-ordinator of IQAC in consultation with and through the Principal presents periodic reports of the activities conducted for quality enhancement to the Management for effective implementation of policies and plans. It recommends suggestions if any for improvement.
- Non teaching staff from office, library and laboratory is also a part of this process. Their performance is also reviewed by the respective head and reported to the Principal and Vice Principals for ensuring effective implementation and improvement of policies and plans.

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

- The top management believes in delegation of authority in academic and administrative areas.
- A team comprising of Principal and Vice Principals representing each faculty shoulders the responsibility of providing the required academic leadership. This is done in consultation with heads of various departments.
- As a unique initiative of the top management a professional expert and senior faculty from the college is appointed as a C.E.O
- In the academic matters requiring specialization and expertise, the Top Management sources the expert advice of eminent academicians and educationists as well as practicing professionals. It takes keen interest in academic development of Institution
- The faculty is given freedom in evolving new methods of teaching, pattern of evaluation and also recommending new courses and organizing supportive program of teaching that can improve quality of teaching.

Management provides necessary financial and administrative support for all the above activities.

6.1.6. How does the college groom leadership at various levels?

- The Principal is at the helm of institution and is responsible for day to day administration.
- Senior faculty are appointed as Vice Principals by the Top Management to assist the Principal in discharge of duties. The Vice Principals are given required authority to enable them to take decision confidently.
- Every department is under the charge of Head of the department. The authority is delegated and responsibility related to their departments is fixed by the Principal for each head of department. It is ensured that the heads have freedom to conduct activities of their department in line with the policies laid down and plans prepared.
- The head of the Department encourages the faculty to arrange programmes at departmental level
- Faculty members are appointed on various academic and extra-curricular committees by the college. They are also encouraged to be member of different committees formed by University
- Non-teaching staff is also included as a part of committees to develop leadership qualities.
- Representation in LMC gives an opportunity to teaching as well non-teaching staff to become pro-active and develop their leadership skills.
- Six staff members have been offered Principals post in neighbouring colleges as a result of conducive work environment prevalent in this institution and opportunities given to them which developed their leadership skills.

The In-charge of Administrative Office, Librarian and Gymkhana In-charge derive the authority as laid down in the applicable codes. They are accountable to the Principal for functioning of their respective departments. The faculty enjoys every possible support from the Principal & Vice Principal with regard to the difficulties in its routine activities.

The College has established a students' forum comprising of representative of different classes and one amongst them is elected as Student Secretary. This forum constantly interacts with chairperson of students' forum and Principal and in the process learns to work as a member and lead the team. During annual function of college each

member of forum is designated as students' representative in various committees. In various team events organized by college gymkhana, the students are exposed to leadership skills and they are ably guided by faculty wherever required.

N.S.S. Units of the college consciously designs programmes which are aimed at developing leadership skills. N.S.S. Programme Officer is instrumental in moulding them as leaders.

N.C.C. Units of the college deputed the cadets for leadership camps and appoint some students as leaders of small groups and are selected for awarding rank based on leadership qualities exhibited. Associate N.C.C. Officer plays a pivotal role in moulding N.C.C. Cadets as leader.

Various events like Krida Rang, Oasis, Valay, and programmes of commerce association and Arts circle help in developing leadership qualities among students.

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

- The institutional policies and plans are communicated to all concerned. Heads of various departments/Chairpersons are delegated the authority to manage their departments in all respects. Academic and operational authority is granted to them.
- Chairpersons of all curricular and extra-curricular activities are also delegated the authority to conceptualize and take the steps for effective discharge of work allotted to them.
- Librarian and head of office have requisite authority to discharge their respective function effectively.
- Periodic reports are obtained from concerned heads/co-ordinators regarding completion of work done by using delegated authority.
- In this manner authority is decentralized down the line in the organization which ensures flexibility.

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

- Yes, participative management is an accepted norm of top Management. It nurtures the culture of participative management by involving Principal, Vice Principal, IQAC Co-ordinator and members of faculty in initiating new policies or changes in existing

policies or academic program. Whenever new academic, administrative and other initiatives are to be implemented all these are consulted and their valid suggestions are considered in implementation.

- The management also encourages involvement of staff members in various decisions affecting teaching-learning process, staff and students welfare etc. positively.
- Periodic meetings of local managing committee are arranged with top management in which many matters related to college are discussed and decided upon. The suggestions received from all the members are considered by the top management.
- The Principal seeks the participation of Vice Principal and Co-ordinators by assigning responsibilities to them. They meet regularly to discuss and review various decisions taken and the new initiatives to be implemented.
- Principal organizes periodic meeting of heads of departments to discuss and decide upon all those matters which are of institutional importance.
- Authority is delegated to chairpersons of co-curricular and extra-curricular committees who make suggestions for effective functioning of their respective committees, valid suggestions are accepted by the Principal.
- IQAC also seeks the suggestions of HOD and Coordinators for enhancing standard of education
- The opinions of the In-charge of office and library are also taken into consideration by the Principal while taking decisions about their respective department.
- The technique of participative management helps in following ways
It creates a sense of belongingness, encourages individual initiative, develops democratic environment and healthy work culture.

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 has clearly laid down quality policies in various areas. These policies are framed by the top Management in consultation with the Principal, Vice Principals, IQAC Co-ordinator and Senior Faculty. After formulation of policies they are clearly notified to all concerned.
Quality policies are laid down for areas like Education, Students, Human Resource Policies, Infrastructure and Services.

The policies are put in place after thorough discussion with the faculty, the heads of departments, and other functional heads.

Implemented policies are reviewed for its compliance by the Principal, Vice Principals, IQAC Co-ordinator and various heads and the senior faculty. Realizing that the policies are in pace with time, they are periodically reviewed and everybody is welcome to suggest modification if and when necessary.

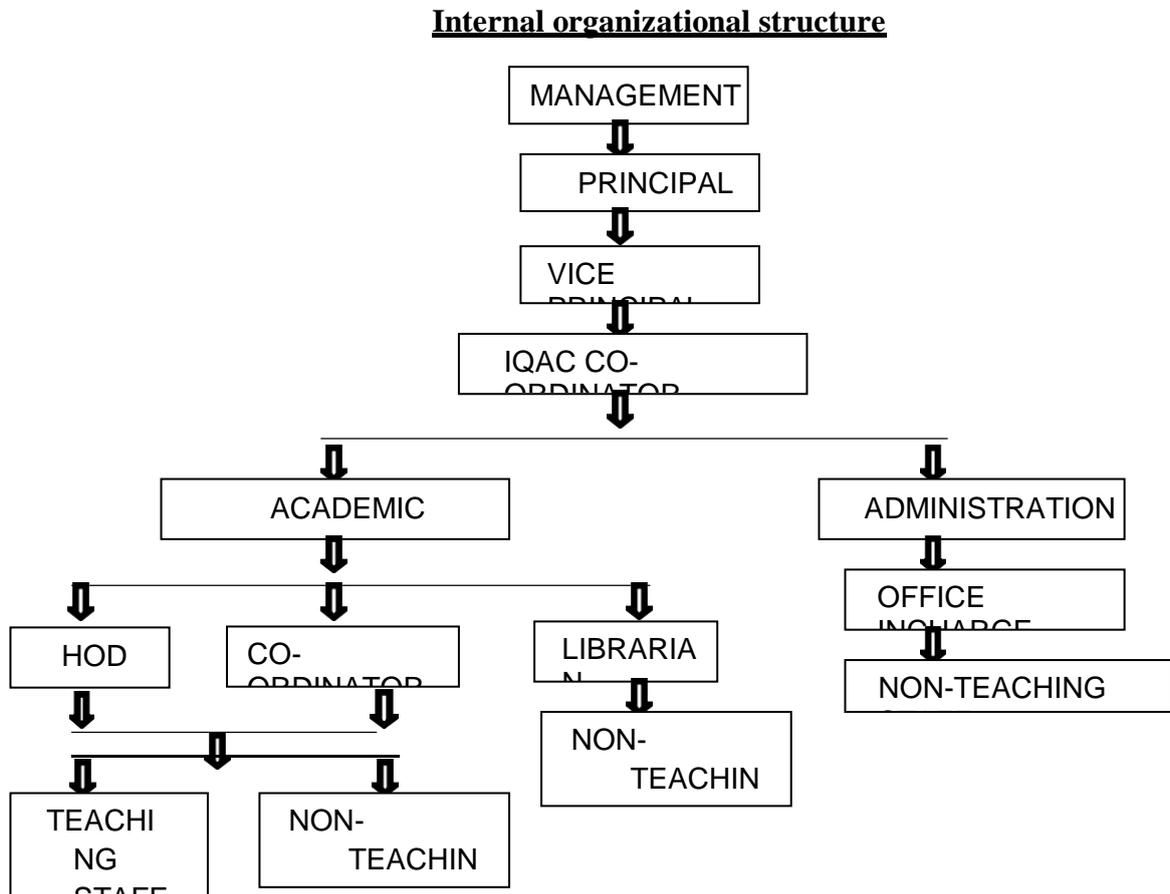
6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

The institution has long term perspective plan divided for ease of prioritization and implementation into units of one year duration. It has the following aspects in view.

- Inclusive education
- Vertical growth in education
- Students' development and participation
- Faculty development
- Infrastructure development
- Environmental protection
- Social commitment
- Effective service delivery
- Bridging gap between industry and academia

6.2.3 Describe the internal organizational structure and decision making processes.

The structure of the organization is exhibited in following organogram:



The above chart clearly depicts organizational hierarchy. The process of decision making is participative. Valid suggestions received from any ladder in the above hierarchy receive due consideration in decision making process.

Above hierarchy ensures effective delegation of authority, fixation of responsibility, and effective communication with respective heads. This leads to effective decision making and smooth functioning of an organisation.

6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following:-

• **Teaching & Learning**

- ❖ The college has well experienced faculty members. Apart from the lecture method of teaching, group discussions, field studies, debates, tutorials, seminars, study tours are conducted for proper understanding of the subject.
- ❖ Teachers are encouraged to attend Refresher Courses, Orientation Programmes, workshops, seminars and conferences in their areas of expertise so that they can update their knowledge. This knowledge ultimately percolates down to their students and makes teaching -learning more effective and refined.
- ❖ Learning is made student-centric by promoting problem-solving method in the classrooms by inviting questions from students and allotting them assignments. Methods such as discussions, project preparation, presentation, demonstration and self-study are adopted by the College which help students develop various skills.
- ❖ Regular feedback is taken from stakeholders and is incorporated in the strategies if viable.
- ❖ Modern teaching aids are provided by the Institution and teachers are motivated to use these aids by giving them necessary training and facilities.
- ❖ The library facilities are updated regularly and stakeholders are informed about it.
- ❖ Conferences, Seminars and workshops are organized for the students' benefit from time to time.

• **Research & Development**

- ❖ The faculty is encouraged to avail benefit of Faculty Development Programme (FDP) of UGC for its doctoral research.
- ❖ Staff members are motivated to get themselves registered as guide for M.Sc. or Ph.D.
- ❖ Special Research committee is formed comprising of experienced teachers to guide :
 - Other members to write research proposals
 - Undertake research projects sponsored by the University and UGC
 - Present research papers at National or International conferences.

- ❖ IQAC had arranged one week workshop on “Research Methodology and use of Computer Software in Research” under Faculty Development Programme in Dec 2013.
 - ❖ The College has two recognized research centres in the subject of Botany and Chemistry and has applied for two more in Physics and Accountancy.
 - ❖ Nano Science research centre has been set up by the Institution to introduce latest areas of research to its students.
 - ❖ The library is well equipped and continuously adds to its holdings new arrivals in all areas.
 - ❖ It is a member of INFLIBNET, N-LIST through which the faculty has access to e-books and e-journals.
 - ❖ Unlimited internet facility is made available not only to the faculty but also to the students.
 - ❖ Students also are motivated to publish papers in conferences and undertake Primary research projects.
- **Community engagement**
 - ❖ The College has active N.C.C. and N.S.S. Units, for male and female students. They conduct many community engagement programmes like blood donation, tree plantation, adoption of village, AIDS awareness campaign against social evils, cleanliness drive, and environment awareness. They also provide assistance to police during festivals. Street plays on socially relevant issues and patriotism are also organized.
 - ❖ Surveys were conducted on conservation of water, Green Audit and on effects of pollution in M.I.D.C. residential area by the Students.
 - ❖ Dr. Suryavanshi from the department of Botany has developed ‘Fungal Culture’ which is provided to farmers for Compost making.
 - ❖ The College has Entrepreneurial Training Centre (ETC) under which training is provided to marginalized section of the society and school drop outs from neighbourhood community.
 - **Human Resource Management**
 - ❖ The Principal at the end of each academic year conducts meetings with HODs/ Co-ordinators to identify vacancies in various departments which may accrue due to various reasons.
 - ❖ Vacancies identified are reported by the Principal to top Management.

- ❖ Arrangements are made to recruit the staff at the beginning of the academic year by following appropriate procedure.
 - ❖ Vacancies are filled strictly according to the UGC, the University and Government of Maharashtra guidelines.
 - ❖ Staff so selected is assigned to the concerned Head of the department, who according to specialization and interest of the selected staff assigns to him/her an appropriate job profile.
- **Industry interaction**
 - ❖ The College has Career guidance and Placement Cell which regularly interacts with the members of industry and give required inputs to the College.
 - ❖ The College has entered Memorandum of Understanding (MoU) with industries to provide a platform to its students to interact with the members of industries.
 - ❖ Various departments organize industrial visits to expose students to the work culture of industry.
 - ❖ Experts from industry are invited as resource persons in conferences organized by the departments, which provides an insight in the industry.

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 head of the institution periodically reports all matters to the top management during meetings. This helps the top management to review and ensure that the activities of the institution are being properly carried out.
- College Magazine also provides the information to stakeholders through Principal's report in which overall results of the college and the activities conducted by various committees and departments are highlighted. The Personal achievements of the faculty and the names of meritorious students are also published in the magazine.
- IQAC Co-ordinator continuously reports to the Principal and to the top Management. Annual Quality Assurance Report (AQAR) is prepared by IQAC which is presented to the Management before submitting to NAAC.
- Unique College events and new initiatives undertaken are given due publicity in print media. This keeps the stakeholders informed about the happenings in the institution and the Principal receives first hand feedback from the stakeholders.

- The Head of the institution presents a holistic report of all activities at the annual function.
- Feedback about teaching faculty is obtained by IQAC from the students every year. This is made known to the Principal who appraises performance of all members and suggests improvement wherever required.
- In staff meetings the Principal communicates the views of top Management to the faculty.
- Members of Local Managing Committee put forth problems related to Academic, Administrative and financial issues solutions to which are identified after deliberations. Top Management also uses this platform to communicate new policy matter to LMC members.
- The Principal calls parents' meetings to communicate certain important matters to the parents and also to have their inputs on various activities of the college.
- The outstanding achievements of the faculty and students and personal appreciation are communicated in the form of Office note to the management and notices to staff members.

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 management seeks support and involvement of the staff in improving effectiveness and efficiency of the institute. It delegates authority to the Principal for day to day functioning. The Principal in turn forms academic and non-academic committees on which staff members are appointed as chairman or the members, who conduct various required programs to achieve the desired objectives. They get required financial and infrastructural support from the top management

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

Resolutions passed by the management are as follows:

Resolutions Passed	Status
Appointment of Principal	Principal Appointed
Maintenance and Renovation of College building and Facilities	In Process
Renovation of Biotech and Zoology Laboratories	Completed
Establishment of Research Centre	Two centres established
Additional MoUs	Two MoUs signed

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 University of Mumbai makes a provision for according the status of autonomy to an affiliated institution. However, the institution does not have immediate plan in obtaining autonomy.

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyses the nature of grievances for promoting better stakeholder relationship?

The following mechanism is in operation for the same.

1. Anti ragging and Students grievances redressal committees are established for dealing with the major problems faced by the students.
2. The suggestion/complaints boxes for receiving complaints from students, parents and staff are put up at prominent locations in the college.
3. These boxes are opened regularly and the complaints/suggestion received are handed over to specially constituted "Grievance Redressal Committee. The complaints/suggestions are recorded and analyzed for necessary actions. Grievance redressal committee calls upon the members of Women Development Cell and seeks their help to resolve grievances of complex nature.
4. Complaints/suggestions are also received orally from students, faculty and staff. They are attended on priority depending upon the urgency.
5. Some of the grievances of students which can be redressed at the level of department are redressed by Heads of the Departments.
6. College has started 24 hour helpline as a part of drive to prevent sexual harassment at workplace.
7. Cases of sexual harassment of the staff are dealt by the Principal in consultation with top Management.
8. Cases of harassment of girl students on the campus are referred to and resolved by WDC.

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?

- Dombivli Shikshan Prasarak Mandal V/s. Ashaskaiya Mahavidyalayin Shishekkettar Karamchari Sangh having case no. W.P. No. 1354/2014 before Bombay High Court. The issue is availing of vacation by the Lab Assistants and Lab Attendants. The status of the case is awaiting for order.
- Dilip Medhe V/s. Dombivli Shikshan Prasarak Mandal having case no. 23/2013 before College Tribunal. The issue is Challenging of Dismissal order issued to him. The status of the case is for argument on application.
- Suvarna Dadhkar V/s. Dombivli Shikshan Prasarak Mandal having case no. 24/2013 before College Tribunal. The issue is challenging Dismissal order issued to her. The status of the case is for argument on application.
- Dombivli Shikshan Prasarak Mandal having V/s. University of Mumbai having case no. W.P No. 3405/2015 before Bombay High Court. The issue is of Fee hike. The status of the case is for argument.
- Shri Suresh Chavan V/s. Dombivli Shikshan Prasarak Mandal having case no. Com. (ULP) No. 286/2013 before Thane Industrial Court. The issue is of Demotion from post. The status of the case is filing documents.

6.2.11 Does the Institution have a mechanism for analysing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?

The institution has put in place a system of collecting feedback about teaching and other aspects. This feedback is analyzed by IQAC and individual faculty is informed about the areas of strength and weaknesses by the Principal in the form of a written report.

Feedback in other areas like college office, library, gymkhana and canteen is analyzed and intimated to concerned head and valid suggestions are implemented.

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?

Teaching:

1. Faculty is encouraged and sent for attending refresher, orientation programmes and avail FIP facility of UGC.
2. Research oriented programmes are conducted by IQAC.
3. To help the teachers prepare research proposal a special committee is formed.
4. Infrastructural support is provided by the institution by developing research centres and, labs. Necessary support staff is also provided.
5. Rich library resources.
6. Internet access and access to e-resources.

Non-Teaching:

1. Providing training for improving their efficiency and quality of work.
2. Lab staff gets continuous guidance and assistance from their Head of Department.
3. Administrative Staff is guided by Principal and Vice Principal.
4. Training Sessions are conducted for improving their efficiency and understanding of the changing procedures.
5. Improvement in technical knowledge by providing them training in use of IT and Computer.

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?

Teaching:

Motivational measures by Management

1. Faculty is encouraged to register for PhD and pursue research. They are made aware about UGC Schemes and encouraged to avail such opportunities. The procedure to avail the facility of FDP is expedited by college by providing administrative support for the same.
2. They are also encouraged to avail schemes announced by University of Mumbai.
3. To maintain and develop research culture in the institution a week long course:
On Research Methodology and Use of Computer Software in research was organized

4. Faculty are encouraged to apply for research projects funded by U.G.C., University and other funding agencies.
5. Whole hearted support is given to faculty in organizing and attending national and international conferences and seminars on contemporary issues. They are also encouraged to organize workshops in collaboration with board of studies of University of Mumbai or otherwise.
6. Faculty is supported in acting as resource persons as well as for chairing sessions at National and International Conferences by sanctioning duty leave for the same.
7. They are encouraged and given whole hearted support to become member of Board of Studies of University as well as to become members for Syllabus Revision Committee.
8. Membership of academic research and Professional bodies is appreciated by the Management.
9. Due recognition is given by management to authors of research papers, reference books and text books and for developing study material for distance learning.
10. Papers selected in national and international conferences are uploaded on the web site of the college for the reference.

Infrastructural Support:

1. Large number of reference books and reputed journals are made available to the faculty to keep in touch with the current developments.
2. Information Technology laboratory with 50 computers was made available for a weeklong workshop on “Research Methodology and use of computer software in research” organised by IQAC.
3. The institution is a member of INFLIBNET N-LIST through which it has an access to large number of e-books and e-journals.
4. Reference and bibliographical services are made available by the College library to faculty.

Non teaching

Management and other authorities take equal interest in motivating and empowering non teaching staff by undertaking following measures.

1. Adopting latest technologies and organizing training programmes for office and library staff on subjects related to their area of work.
2. They are deputed for the training programmes concerning new initiatives of the Government of Maharashtra, University and other institution related to their work.
3. The staff working in laboratory and gymkhana is trained by the concerned head of department and gymkhana incharge respectively.

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.

1. Annual self appraisal report is obtained from every member of teaching staff. This is accompanied by required documentary evidences.
2. These appraisals are reviewed by the Principal and conclusions are reached to prepare performance appraisal report.
3. At the departmental level the head of department continuously carries out appraisal of each member. And suggest modifications required in teaching or any other area immediately.
4. Cases of consistently poor performance are reported to the Principal by HOD who takes necessary actions considering interest of the institution.

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?

Teaching:

1. The Principal forwards his/her reports on the performance appraisal to the management. This becomes a basis for decisions being taken by the management about the concerned staff member
2. It also helps in assigning important duties and responsibilities to staff members according to their potential and liking
3. This gives an opportunity to the staff to know their weakness and to improve upon them.
4. Management recognizes and appreciates achievements of staff to keep them highly motivated.

Non-Teaching:

The efforts put in by the non teaching staff for their vertical growth are also duly recognized by the management.

Students:

- Report on the performance of the students is furnished by Principal to the Management. It helps the management to felicitate meritorious students on special occasions.
- The report also alerts the management about academically weak students which directs the Principal in taking appropriate measures for their improvement.
- Management lays equal emphasis on general behaviour of the students and maintenance of discipline on the campus. For this

Principal is directed to involve both teaching and nonteaching staff in an effective manner.

6.3.5 What are the welfare schemes available for teaching and nonteaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

- Welfare schemes that are implemented by Government of Maharashtra can be availed by the Staff members. These schemes include reimbursement of medical expenses, paid maternity leave and Leave Travel Assistance (L.T.A.).
- In case of emergency, advance against salary is granted.
- In case of death of a non-teaching employee while in service his/her family member is appointed on compassionate ground. 1.56% of non-teaching staff has availed of this facility.
- College employees have an Employees' Co-operative Credit Society which provides term loan and emergency loan.
- The staff members voluntarily contribute for medical expenses of a needy staff.
- Free medical check-up camps are arranged for the staff members.
- Facility of training in Yoga is offered to lady staff members and girls.
- Motivational films were screened for then on teaching staff members during the year 2014-2015
- Competitions and tournaments are arranged for staff members during annual social.
- College gymkhana facilities are freely provided to all the staff members.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

K.V.Pendharkar College is a pioneering institute in Dombivli and its vicinity. It has earned reputation and high ranking through rigorous efforts and this attracts young talent to the institution. To retain talent, management maintains a healthy work culture on the campus. Encouragement and appreciation by the authorities creates a sense of belonging among the staff members. Academic impetus is given to the staff members by providing research facilities. Extension in service of desirous staff members is also thought of by the management. Two staff members have been given extension by the management.

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?

Institutional budget is prepared for every academic year in which allocations are made for various departments including library and gymkhana depending on their requirements. While preparing budget for the current year the following steps are taken:

- Comparison of previous year budget with actual receipts and payments.
- Various departments are called upon to give outline of the expenditure for the current year.
- This outline gives information about recurring and non-recurring expenses.
- These departmental budgets are consolidated and all other recurring and non-recurring expenses are incorporated in it.
- The consolidated budget is presented to the management for review and also placed before the Local Managing Committee (LMC) for approval.
- There is strict monitoring of implementation of the budget.
- The budget takes care of non planned expenditure and research requirements.
- Effective and efficient utilisation of allotted funds is ensured by asking monthly statements from respective departments about expenditure incurred and balance funds. Similarly before incurring any major recurring or non-recurring expenditure at least three quotations are invited and the best one is selected by the management.
- Funds are also received from UGC under different schemes which are utilised strictly as per the directions from UGC.
- General and specific purpose donations are also received by the management which are utilised respectively.

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.

- Institutional budget is prepared for every Academic year in which allocations for various departments are made depending on their requirements. Monitoring of regular expenditure is done by the authority
- Periodically Corrective measures are taken if required
- External audit is done by the college regularly.

Audit for the year ended 31-03-2014 was done on 28-09-2014.

Objections in the balance sheet 2013-2014

- a) Periodic physical verification of cash is not done by the management.

Periodic verification of cash has been started from 1 April 2014.

- b) No internal control on advances

Internal control and checking of new advances given and recovery of the same were started from 1 April 2014.

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.

Major source of the institutional receipts is by way of fee collection.

The deficit if any is funded by the management.

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

The College raises additional funding from following sources:

- Grants from UGC
- General and specific donations

The College has received following grants from UGC under its schemes:

Scheme	Grant Received
Development assistance for College Development	12,00,000
Development assistance for Merged Scheme	4,86,000
Basic Scientific Research	10,00,000
Additional Assistance to college already covered under section 12-B of UGC	25,00,000
Financial Assistance for Organizing Seminars and Workshops	1,00,000

- The utilisation of above grants is either as proposed or as laid down in sanction terms of UGC.
- The utilisation certificate is obtained after an audit and the same is submitted to UGC.

Institution makes an appeal to donors to make general or specific donations.

- General donations are used for developmental work.
- Specific donations are used as per the directions of donor.

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?**

Autonomy and Authority is accorded to IQAC for conceptualizing and implementing innovative programs for giving new direction and development new Institution.

IQAC is functioning in the college since 2004. The institutional policies with regard to quality assurance are implemented through IQAC. They are as follows

- Aspiration to be model institute of higher education.
- Horizontal and vertical academic growth of the stakeholders.
- Creating healthy teaching learning atmosphere.
- Making students morally conscious and socially responsible human beings.
- Enhance the employability of students.

Constitution of IQAC ensures interaction with all stakeholders which leads to refinement of action plans. New ideas are conceived by IQAC after requisite ground work and then recommended to the top management.

The flexibility in functioning ensures that the institution keep space with the changing times by introducing pioneering initiatives.

Considering the students as core of the system all teaching learning initiatives are student centric.

- Learning is made effective to equip the students to face contemporary challenges.
- The co-curricular and extra-curricular activities are planned in such way that the student have avenues to groom their personality.
- Carefully planned outreach programmes make students morally conscious and socially responsible without losing human touch.

Above mentioned measures have resulted in the development of healthy teaching learning atmosphere in the institution.

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 management always welcomes suggestions and its approach is positive many a times. The following table gives the details of the suggestions and their implementations.

Management always welcomes suggestions and its approach is positive.

Sr. No.	Suggestions	Implementations
1.	To provide funds for printing departmental publications	12 departments have utilized the funds for their publications in the last five years
2.	Renovation of IQAC room	Renovation work completed
3.	YOGA training for girls	So far two batches have completed the training
4.	Need to start job orientated courses	Two job oriented courses were started.
5.	Plantation of Shevanti and Tulsi for carbon absorption	Implemented
6.	LCD projector for departments	Implemented in some departments

c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

IQAC has Dr. Magare Principal of Kirti College and Former Chairman of BCUD and Mr.Dhume Vice Principal of Khalsa College as external members of IQAC

The following suggestions were made by them

1. Renovation of some science laboratories.
2. Conducting internal academic audit.
3. Personal interaction of IQAC co-ordinator with teaching staff to monitor teaching and learning.

d. How do students and alumni contribute to the effective functioning of the IQAC?

Students:

Student's feedback and interactions with the alumni have made significant contributions for effective functioning of IQAC

The following suggestions were given by them

1. To start Coaching for professional examinations.
2. To start Coaching for competition examinations.
3. To introduce Add on courses.

e. How does the IQAC communicate and engage staff from different constituents of the institution?

IQAC is headed by Vice Principal of the College and senior faculties are its members. Internal quality policies and objectives are formulated and revised by IQAC in consultation with members and heads of department. Accordingly notices are prepared for proper communication to the staff.

Every new initiative is extensively discussed by coordinator of IQAC at the staff meeting to get their suggestions. A periodic review about implementation of these initiatives is taken by IQAC from faculty.

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 operationalization.

The integrated framework for quality assurance of the academic and administrative activities is in place. Principal, Vice Principal, IQAC Co-ordinator and In-Charge of office monitor the same.

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 institution provides training to its staff for effective implementation of quality assurance procedures to both teaching and non teaching staff.

Training is provided to Teaching staff by :

- Conducting induction programmes at regular intervals.
- Organising lectures, workshops, seminars and conferences.
- Encouraging faculty to participate in workshops, seminars and conferences.
- Explaining new initiatives to the concerned for its effective implementation.

Non-Teaching Staff:

- Training is provided by organising lectures.
- Staff is encouraging to participate in programmes and workshops.
- Training is providing on technical matters by experts in small groups.

The above initiatives result in improved performance of the institution.

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?

The institution through IQAC has formulated guidelines for carrying out formal internal academic audit of each department/programme. The audit is carried out by the members of IQAC. The short comings observed in the course of audit are forthwith shared with concerned heads, coordinators and they are asked to carry out required improvements. Best practices followed by individual departments/programmes are shared with other departments/programme for its implementation.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

The institution functions within broader regulatory framework laid down by University of Mumbai, Government of Maharashtra through Department of Higher Education and University Grants Commission. Hence internal quality assurance mechanisms are primarily aligned with the requirement of regulators. The quality assurance mechanism is reviewed for compliance and if necessary modifications are suggested.

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 outcome?

Teaching Process:

Allocation of Work ↓ Institutional Calendar ↓ Departmental Calendar ↓ Individual Teaching Plan	Review of Work done Principal Vice Principal Head of the Department Member of Department
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Methodology:

- At the commencement of each academic year allotment of teaching work is done by each head of department by preparing departmental timetable.

- Based on the allotment of work and number of lectures available at disposal, teaching plan is prepared by individual faculty. All the teaching plans are available with head of department and principal for review.
- Departments having practicals as a part of syllabus, plan the schedule of practicals to be conducted every week.
- Heads conduct periodic departmental meeting to review the progress of teaching work and gives necessary instructions.
- The syllabus to be covered before internal assessment is clearly planned and communicated to students.
- Revision practicals are conducted for difficult experiments as per need.
- Teachers maintain daily record of teaching done and other activities engaged by them in the diary.
- Periodic review of which is taken by Vice Principal and individual teachers are instructed if required.
- Feedback about teaching is taken from the students by the IQAC. After analysing the feedback the reports are submitted to the Principal. Principal issues the report to the individual teacher. The weaknesses of the teachers are communicated to them individually.
- Departmental meetings of parents and students are conducted with a view to have feedback from them on matters related to teaching and other areas. The feedback received from them is communicated to the concerned teachers, the head of department and top management for necessary action.

Learning:

- At the completion of each unit of syllabus the students are called upon to raise doubts which are extensively discussed in the class in the larger interest of all the students.
- Evaluation at internal examination gives an insight to the individual faculty about slow and advance learners which is used to device a programme for remedial and advanced coaching.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

Internal Stakeholders are communicated through

- The prospectus of college.
- College website
- Notices displayed on staff and students notice board.

- College magazine –“AKSHARVEL.”
- Principals report on various occasions.
- Academic and Departmental calendar

External Stakeholders are communicated through

- College website
- Print media
- AQAR to NAAC.

Criterion VII : Innovations and Best Practices

7.1 Environment Consciousness

7.1.1 Does the institute conduct a Green Audit of its campus and facilities?

Yes, the college started conducting green audit of its campus and the surrounding MIDC residential area in 2013. Significant greenery is observed in and around the campus with rising trend even though it is in the vicinity of industrial area. College has been taking multitude of efforts to sustain flora on its campus.

7.1.2 What are the initiatives taken by the college to make the campus ecofriendly?

- **Energy conservation:**
 - ❖ The college management has taken enough care to make the college building ecofriendly. The class rooms and science laboratories are adequately ventilated and well illuminated thereby reducing electricity consumption.
 - ❖ Institution had carried out a survey to find out the energy consumption at various locations in college premises. Electricity audit was conducted by the department of Physics from 2013 to know electricity consumption.
 - ❖ To overcome the problem of voltage fluctuation and related issues, the top management decided to install separate transformer for the college in college premises. It has reduced electricity consumption. It is expected that installation of a separate transformer will further reduce electricity consumption.

- **Use of renewable energy:** Nil

- **Water recycling:**

The college has installed **Sewerage Treatment Plant** with the capacity of **75 cubic meters/day**. The recycled water is sprinkled on lawn on the campus and is used for watering plants. It is also supplied to the sister organizations located on the campus.

- **Check dam construction:**

As a part of field activity during a one week site camp, **NSS volunteers** constructed a **Bandhara** on a spring at Kotwalwadi, Neral in January 2015. Also awareness about water conservation was created among villagers by staging street plays.

- **Efforts for carbon neutrality:**
 - ❖ Class rooms are naturally illuminated and ventilated to ensure reduced consumption of electricity.
 - ❖ All the tube lights are fitted with electronic chokes that further reduce energy consumption.
 - ❖ Air conditioners are installed only where absolutely essential. The institution has been planting trees since its inception.
 - ❖ Considering the ever increasing global warming the college has undertaken the drive to plant selective trees, namely Shevanti (indigenous chrysanthemum), Neem and Tulasi which absorb higher amount of carbon dioxide and are more efficient in controlling air pollution.
 - ❖ Students are made aware of the pollution caused by excessive use of vehicles. The college staff and students observe “No Vehicle Day” every year since last three decades to spread this message. K. V. Pendharkar College is pioneer in initiating this activity.

- **Plantation:**
 - ❖ Tree plantation and forestation are integral parts of NSS and NCC activities.
 - ❖ Saplings are planted in nearby villages by NSS Units on world plant day.
 - ❖ Campus is beautified by well-maintained gardens in which *Hibiscus* and other ornamental, herbaceous and flowering plants are planted.
 - ❖ The coconut and betel nut tree plantation is also undertaken.
 - ❖ The institution takes pride in improving green ambiance of the locality around college by requesting MIDC authorities to allow beautification of adjoining areas by developing garden.

- **Hazardous waste management:**
 - ❖ Departments like Botany, Biotechnology, Chemistry and Zoology carefully monitor waste generation and its disposal.
 - ❖ A separate waste water outlet is constructed to channelize its discharge. This outlet is connected to the main industrial effluent pipeline through which it is carried to MIDC water treatment plant.
 - ❖ To reduce the sewage water pollution, college has installed Sewerage Treatment Plant on campus.

- **e-waste management:** The institution is taking efforts in reducing e-waste.
 - ❖ The use of computers and printers is optimized by sharing them among users.

- ❖ Regular maintenance and servicing is ensured by signing AMC.
- ❖ Yearly audit of electronic gadgets is carried out.

7.2 **Innovations**

721 **Give details of innovations introduced during last four years which have created a positive impact on functioning of the college.**

- Library has a unique practice of organizing “Book Review” competition every year.
- Twelve departments have started their in-house publications which provide a platform to the students to write subject related articles and research papers.
- Extended use of Tally for students’ data management and linking of customized tally with the financial accounting software.
- Establishment of separate office catering to the needs of unaided programmes.
- Erection of Sewerage Treatment Plant for recycling of waste water
- Certificate course in **Yoga for female students** started in 2013
- Mentoring system for UG classes was started from November 2013
- Since past many years department of botany is providing consultancy in **Fungal Culture**.
- Web based management – The college has recently introduced web based management system to reduce duplication of work and remote monitoring of day to day activities.
- Sharing of study materials through e-mails by some departments.

7.3 **Best Practices**

731 **Elaborate on any two best practices as per the annexed format which have contributed to the achievement of the Institutional objectives and/ or contributed to the quality improvement of the core activities of the college**

Best Practice 1: Brain-storming and Training through Workshops, Conferences and Seminars

History

K.V. Pendharkar College has a long tradition of organizing result-oriented conferences, workshops and seminars. The very first workshop organized by the institution was way back in 1985 on ‘International political ideologies’. **Aksharvel** (the college magazine) **organized a 3 days seminar on ‘Maharashtra Kal, Aajani Udyā’** on 10 to 12 January 1986 in order to **celebrate the silver jubilee year of**

Maharashtra state. Lectures on diverse topics related to Maharashtra were delivered by eminent personalities. It gave fair idea about the progress made by Maharashtra state since its establishment in all the fields.

Thereafter a series of workshops were held on diverse topics such as **‘Environment and Pollution’** in 1991, **‘Samaj Parivartanachya Disha’** in January 1992, **‘Uccha Shikshanaachee Dasha Wa Disha’ (Higher Education : Present Status and New Directions)** in January 1994, one day seminar on **Horticulture** on 22 January 1994, **‘Conventional and Non-conventional Sources of Energy’** on 21 to 23 January 1995, P. L. Deshpande **Abhyasaani Aaswad** in 1996, **‘Changing Scenario of Indian Economy’** in 1997, Two day workshop on **Urmite Nirmiti** in 1998, a two day workshop on **Low cost instrumentation** in 1999.

A two days workshop on **‘Defense Strategy of India since Independence- Changing Perspectives’** was organized on 17 and 18 February 2001. **Deliberations during the workshop culminated in University of Pune and Amravati introducing a module based on defense in their curricula.**

An **Orientation Programme in Ayurvedic Botany** conducted by Department of Botany in collaboration with the Board of Studies in Botany on 15th and 16th Sept 2001 was highly successful and **resulted in the inclusion of the module ‘Ayurvedic Botany’ in Second Year B.Sc. (Botany) syllabus of the University of Mumbai.**

UGC sponsored National Conference on **Fungal Diversity and Biotechnology** held from Feb. 2nd to 4th 2002 at K.V.Pendharkar College inspired one of the faculty members to embark on consultancy in fungal culture.

Two- day national seminar on **Medicinal Plants** was jointly organized by the University of Mumbai and K.V. Pendharkar College from 22nd Jan to 24th Jan 2005 which inspired one of the faculty members Mrs.

N. S. Velhankar to choose the same topic for Ph. D.

Department of Botany organized a two day workshop on **“Entrepreneurship development in the field of Plant Products”** in collaboration with University of Mumbai in 2005. Mrs. N. S. Velhankar from Economics department framed one part of the syllabus for T.Y. B.Sc. Botany on the same theme which was incorporated in the academic year 2006-07.

The Department of Economics organized a one day workshop on **‘Small Scale Industries: Opportunities and Challenges’** in 2003.

A one day seminar on **Gender Budget** was jointly organized by the departments of Economics and Psychology of K.V.Pendharkar College in 2004.

A one day state level workshop on '**Relevance of Kautilian Economics to 21st Century**' in collaboration with Bharat Vikaas Parishad was organized in 2005. Suggestion made during the workshop regarding incorporating the component of 'Kautilian Economics' in the syllabus for TYBA was positively received by syllabus committee and it was duly incorporated.

Three day workshop titled '**Chalaa Udyojak Ghadavu Yaa (Let's Train Entrepreneurs)**' was organized by the Department of Economics of K.V. Pendharkar College in collaboration with MITCON in 2007. The workshop provided hands-on training in preparation of perfumes, face-packs, detergent, soaps, etc. This event motivated the institution to arrange a national level conference on **Women Entrepreneurs of 21st Century- Trends and Development** organized in 2009 which was sponsored by UGC.

Workshops, Conferences and Seminars arranged in Last Five Years:

- **2010-11**

- ❖ Placement and Vocational Guidance Cell of college in collaboration with BMS department conducted on 3rd August 2010 a full day workshop on how to crack group discussion and personal interviews with the help of Mr. Charles Roy and his team.

Outcome: The students received guidance about how to face panel interviews.

- ❖ MA Part II students of Psychology department along with Counseling and Guidance Cell arranged one day workshop on 'Aptitude testing and Vocational guidance' for school on 6th December 2010.

Outcome: More than 50 students were tested and their problems were discussed and counseling was provided.

- ❖ One day workshop on 'Demonstration of practical techniques in Biology' was conducted by the Department of Biotechnology for 12th standard science students in August, 2010.

Outcome: The workshop helped to improve techniques used in practicals by 12th standard science students which reflected well in their results. It provided them an opportunity to relate theoretical knowledge with practical applications.

- ❖ The department of Banking and Insurance in collaboration with Bombay Share Holders Association conducted a workshop on 'Indian Capital Market' on 15th September 2010.

Outcome: Students got insight into Indian Capital Market

- ❖ One day orientation workshop on ‘Practical skills in Fruit and Vegetable carving’ conducted by Dr. Meenakshi Vaidya, Faculty from Mithibai College was organized by Department of Biotechnology on 16th December 2010.
Outcome: The workshop helped faculty and students of Botany and Biotechnology departments to acquire skills in Fruit and Vegetable carving. It also helped in encouraging students to use these skills on professional basis.
- ❖ IQAC and NSS jointly organized a workshop between 10th January - 14th January 2011 on ‘Disaster Management’
Outcome: The teaching staff and students were shown how to handle critical emergency situations.
- ❖ One day seminar on ‘Career guidance’ was organized for undergraduate students on 28th February 2011 by the department of Computer Science in collaboration with MET.
Outcome: Students were explained various career opportunities in the field of Computer Science.
- ❖ IQAC conducted a workshop for teachers on “How to write a Research Proposal”.
Outcome: The staff members were informed about various government schemes which provide research funds.

- **2011-12**

- ❖ One day workshop on ‘Demonstration of practical techniques in biology’ was conducted by the department of Biotechnology for 12th standard science students on 17th August, 2011.
Outcome: The workshop helped to improve techniques of 12th standard science students which reflected well in their results. It provided them an opportunity to relate theoretical knowledge with practical applications.
- ❖ Women Development Cell of the college organized one day workshop on ‘Gender Sensitization’ for first year students on 30th August 2011.
Outcome: Students were sensitized about gender issues and sex education.
- ❖ Department of Biotechnology in collaboration with GEEBEE arranged one day seminar on ‘Oversees Education in the field of Life Sciences’ on 15th September 2011.
Outcome: The students of Life Sciences became aware about various opportunities in higher education overseas.
- ❖ The department of Computer Science arranged CDAC seminar in collaboration with MET on 10th December’ 2011
Outcome: Students were guided about how to crack CDAC
- ❖ Placement Cell and Career Guidance Cell of the college conducted one day workshop for Third year students on ‘How to crack group

discussion and 'Appear for personal interview' in collaboration with TIME group.

Outcome: Students were trained for group discussion and personal interview.

- ❖ BMS department and GEEBEE education jointly conducted a workshop on 'Studies abroad' on 3rd August 2011.

Outcome: Students learnt about opportunities in higher education abroad and how to prepare for TOEFEL, GMAT, etc

- ❖ Counseling Cell and Department of Psychology jointly arranged a one day workshop on 'Motivation and Study Habits' for benefit of F. Y. students in September 2011.

Outcome: The workshop helped participants inculcate appropriate study habits.

- ❖ Department of Banking & Insurance and CFP Institute jointly organized a seminar on 'Certified financial planner - as a Career option' on 13th December 2011.

Outcome: The concept of financial planning was successfully conveyed to SY and TY Banking & Insurance students.

- ❖ A seminar in collaboration with IBFI/NIIT was arranged by the department of Banking & Insurance on 'Career opportunities in Banking & Insurance on 23rd January 2012.

Outcome: Students were informed about career opportunities in the field of banking.

- ❖ On 28th January, 2012, a workshop on 'Marketing of insurance products' was conducted by Sales Manager METLIFE on behalf of Banking & Insurance department.

Outcome: The students got glimpses of marketing of insurance products.

- **2012-13**

- ❖ On 16th December 2012, Counseling and Guidance Cell and the department of Psychology jointly organized a one day workshop on 'Effective study habits and Personality Development' for the benefit of students.

Outcome: The study habit inventory was administered to participants followed by counseling.

- ❖ A special workshop for TYBA on 'GIS' was organized on 24th November 2012 by the department of Geography in collaboration with GIS department, IIT Mumbai.

Outcome: The students acquired hands on training in GIS.

- ❖ One day seminar in 'Research Methodology in History' for M. Phil and Ph.D research scholars was organized on 15th January 2013 by the department of History.

Outcome: The seminar trained the M.Phil and Ph.D research scholars in the fundamentals of research methodology and assisted them in drafting their research proposals.

- ❖ A **two day national conference** on 'Impact of Globalization on Culture, Commerce and Technology' was organized by K.V. Pendharkar College and University of Mumbai on 15th and 16th February 2013.

Outcome: It helped in dissemination of knowledge about the strengths and probable threats of globalization and measures to deal with the challenges.

- ❖ A **one day district level workshop** on 'API: How to Present the Facts and How to Calculate the Scores' was organized on 18th April 2013.

Outcome: The seminar was instrumental in creating awareness among the faculty regarding API System. It inspired some faculty members to submit Minor Research proposals to UGC.

- **2013-14**

- ❖ Department of Banking & Insurance arranged a seminar for FY and SY students on 'Career opportunities' jointly with Cost Advantage Wealth Management Private Ltd. on 17th July, 2013.

Outcome: The seminar made students aware of career opportunities in the field of banking.

- ❖ A one day workshop on 'Dynamics of banking and insurance' was arranged on 10th August 2013 by Department of B & I.

Outcome: The workshop proved to be brainstorming and knowledge building for students.

- ❖ A one day inter-collegiate workshop at the university level in association with the Board of Studies in History on **Changed Examination Pattern and Evaluation System at TYBA (History) Examinations** was organized on 31st August 2013 by Department of History.

Outcome: The workshop resulted in orienting the faculty members toward changed examination pattern and evaluation system.

- ❖ One day workshop on 'Research Methodology' was organized on 31st August 2013 by the department of Geography.

Outcome: The students of Geography became aware of different research methods to be used in Geography.

- ❖ A workshop on 'Marital Counseling' along with Manas Foundation, Dombivli was conducted by Department of Psychology on 29th September, 2013 **for citizens of Dombivli.**

Outcome: The people having marital problems were motivated to seek the help of counselor.

- ❖ A **week long workshop** on 'Research Methodology and Use of Computer Software in Research' under Faculty Development

Programme was jointly organized by the IQAC and the department of Botany from 30th December 2013 to 5th January 2014.

Outcome: The workshop acquainted the participants with the basics of research thereby inculcating research-culture.

- ❖ The Department of Psychology organized a workshop on 'Fingerprint Analysis' on 7th January, 2014.

Outcome: The audience was exposed to a new field involving fingerprint analysis.

- ❖ A one day workshop on 'History, Archaeology & Human Culture' was jointly organized by the department of History, K.V. Pendharkar College in collaboration with P.L. Shroff College and L.J.N.J Mahila Mahavidyalaya, SNDT University on 15th February 2014.

Outcome: The workshop developed a taste for research among undergraduate students of History. As a result, as many as 28 students of History of various colleges presented their research papers in the similar workshop held a year later on 22nd February 2015.

- ❖ The Department of BMS in collaboration with IMS arranged a seminar on 4th February 2014 to 'prepare students for CAT and CET exams'.

Outcome:

- ❖ The department of BMS arranged 'Art of Living' workshop for FY BMS students for stress management.

Outcome: The students were introduced to various methods of stress management.

- ❖ The department of Computer Science and Information Technology arranged a seminar based on 'Career opportunities other than MCA or MBA' for TY B.Sc. students jointly with MET, Bandra.

Outcome: Students became aware of different career options in the field of Computer Science and Information Technology.

- **2014-15**

- ❖ A **one day inter-collegiate research convention** 'Avishkar 2014- 15' was jointly organized by University of Mumbai and K.V. Pendharkar College on 9th July 2014 at K.V. Pendharkar College

Outcome: It provided a platform to inculcate scientific temperament among undergraduate students.

- ❖ An **international conference** on 'Nanomaterials For Sustainable Green Technology' was jointly organized by the departments of Chemistry and Physics under the aegis of University of Mumbai on 5th and 6th January 2015. In addition to senior scientists from India, scientist from Japan, Italy, U.S., Mexico graced the occasion.

Outcome: The conference met with resounding success. **A module on Nano-technology was proposed for inclusion in the syllabus for UG and it is included in the fifth and/or sixth semester syllabus of chemistry.**

A Memorandum of Understanding for teachers' and students' exchange was also signed with TOBASCO University in Mexico as an outcome of the conference.

- ❖ **A Two Day National Conference** on 'Accounting, Finance and Management: Current Issues and Development' was organized on 13th and 14th February 2015.

Outcome: It acquainted the students and faculty with the contemporary issues in the field of Accounts, Finance and Management.

- ❖ A one day workshop on 'Fruit Preservation' was organized by Department of Botany on 22nd February 2015

Outcome: The students were taught different fruit preservation techniques and were encouraged to become financially independent.

- ❖ A one day inter-collegiate seminar on 'Reform Movement in Maharashtra through the Ages' was organized on February 22, 2015 for Graduate and Post Graduate students of History.

Outcome: The student participants got an insight into contributions of reform movements in Maharashtra state.

- ❖ A one-day workshop on 'Fostering Entrepreneurship among College Students' was organized on February 22, 2015 by the department of Economics.

Outcome: It resulted in setting up a full-fledged Entrepreneurship Training Centre and signing up an MOU with **Urivi Vikram Charitable Trust** (Maharashtra Chapter). It imparts training to female students in making paper-bags and imitation jewellery.

- ❖ A workshop on "Credit Based Semester Grading System; Implementation and Issues was arranged by the institution on 28th February 2015.

Outcome: It enlightened the participants about the intricacies of the system.

Methodology:

State/ National /International level

The Principal in consultation with the Management appoints the Convener and/ Organizing Secretary. Principal, Vice Principals, Convener and Organizing Secretary appoint the chairpersons and members of different sub committees when required. The Convener and Organizing Secretary in consultation with Management and Principal request eminent personalities in the concerned field to be members of the advisory committee (National/ International).

A meeting of the advisory committee along with the core committee (Principal, Vice principals, Convener and Organizing Secretary) members is convened to discuss and decide the specific sub-themes to

be covered during different sessions, the probable resource persons and chairpersons of various sessions and other modalities.

The committees set time-bound targets and see that they are completed in given time limits. Funds are raised by approaching local entrepreneurs, business houses and different government and non-government funding agencies. The feedback is collected from the participants.

When a workshop/seminar is organized by a department, its head seeks prior permission by the Principal and the Management to conduct the activity. In consultation with faculty members of the department the theme and outline of the program is decided. Subsequently, sub committees are formed and tasks are allocated to them. In case of intercollegiate activity, nearby colleges are contacted via email, by post as well as by telephonic conversation. In house students are informed about the activity by displaying notice as well as by means of announcements in classrooms.

Problems Encountered:

- Occasional unavailability of resource persons at the last moment due to unforeseen reasons, despite prior confirmation
- Problems encountered in fund raising at local level
- Delay in obtaining financial support from funding agencies
- Lack of hostel accommodation for out-station participants
- Delay in submission of research papers by participants

Best Practice 2: Reader of the Year

Organizing ‘Reader of the year’ competition is a unique practice of the college. Reading has several cognitive benefits like enhancement of vocabulary and knowledge, memory improvement. It helps to develop stronger analytical thinking and writing skills with improved focus and concentration.

With these benefits in mind the staff members have institutionalized an award since 1997 in the name of Late Shri. K. S. Gopal. He was a faculty member of the department of Commerce and was a voracious reader. Since he always inspired others to read this award is looked at as a best way to pay tribute to him. The award has always inspired students to take keen interest in reading.

Aims and objectives:

Reading expands the horizons of knowledge. It arouses curiosity among students and they are encouraged to think and analyze which boosts their intellectual level.

The basic objectives of the activity are:

- To inculcate reading habits among students
- To appreciate reading habit of students
- To felicitate avid readers so that others are inspired to read.

Methodology:

- Committee comprising 4 to 5 members from different departments is formulated.
- The committee meets to plan selection timetable and procedure
- Posters are prepared to inform the students and forms are made available to the students
- Along with the filled form students are required to attach list of books read recently.
- Applicants are asked to write a review of a book of his or her choice. This helps in assessing his/her writing skills.
- It is followed by personal interview on the basis of which 'Reader of the year' is selected.

Criteria used for selection are

- Choice of books
- Writing skill
- Comprehension of reading material
- Ability of application

Final selection is based on the basis of

- Reading wide variety of books
- Focused reading in one area

Problems encountered and resources required:

- Due to narrowly focused approach of present students, it has become difficult to find students with diverse reading habits.
- The library has a wide collection of books on diverse topics and students have easy access to them.

Annexure- I

(Certificates of approval of courses of affiliating university)

PC/1/certificate Letter

University of Mumbai



AFFILIATION SECTION
No. Aff./ICD/2015-16/1134
22nd September, 2015

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Dombivli Shikshan Prasarak Mandal's K. V. Pandharkar College of Arts, Science & Commerce, Plot No SPL-4, Opp. MIDC Office, Dombivli (E), 421 203, Dist-Thane, is affiliation to the University of Mumbai the following courses are conducted in the said college.

Sr. No.	Programme	Duration	Affiliation	Validity period
1	B. A.	3 years	Permanent	Permanent
2	B. Sc	3 years	Permanent	Permanent
3	B. Com	3 years	Permanent	Permanent
4	B. A.(Geography)	3 years	Temporary	From 2005-06 to 2014-15
5	B.Sc. (Biotech, Computer Science, Information Technology)	3 years	Temporary	From 2009-10 to 2014-15
6	B. Com (B&I)	3 years	Temporary	From 2003-04 to 2014-15
7	B. M. S.	3 years	Temporary	From 1999-2000 to 2014-15
8	B.Com (A&F)	3 years	Temporary	From 2012-13 to 2014-15

This Certificate is issued on the request of the Principal of the said College for submitting the same to the NAAC, Bangalore, accordingly.


(Dr. ASHOK FARDE)
DEPUTY REGISTRAR

University of Mumbai



No. PG/2/ICD/2015-16/ 12293
Mumbai - 400 032.
9th July, 2015.

TO WHOM IT MAY CONCERN

This is to certify that Dombivli Shikshan Prasarak Mandal's K.V. Pendharkar College of Arts, Science and Commerce, MIDC Area, Dombivli (East), Dist. Thane-421 203 is affiliated to the UNIVERSITY OF MUMBAI since 1979 and recognized by the University Grants Commission and the following P.G. Courses/Subjects are taught in the said college, as per approval:

Sr. No.	Name of the Course(s)	Duration of the course	Affiliation (Permanent/ Temporary)	Period of Validity for the Year(s)
I	M.A.- Psychology	2Years	Temporary	2005-06 to 2014-15
II	M.Sc.- Inorganic Chemistry	2 Years	Temporary	2008-09 to 2014-15
III	M.Com.- Advanced Accountancy	2 Years	Temporary	2011-12 to 2014-15


(Dr. M.A. Khan)
REGISTRAR

University of Mumbai



Th./ICD/2015-16/7825

MUMBAI 400 032.

29th July, 2015.

TO WHOM IT MAY CONCERN

This is certify that Dombivali Shikshan Prasarak Mandal's K.V. Pendharkar College of Arts, Science & Commerce, Dombivali(E), Dist-Thane-421 203 is recognized to the University of Mumbai and the following PG (By Research) and Ph.D. courses/subjects are taught in the said college as per approveal :

Sr.No.	Name of the courses/subjects	Recognition (Permanent/Temporar)	Year of Recognition
1.	M.Sc.(By Research)/Ph.D. Botany (10 students)	Permanent	From 2004-05
2.	M.Sc.(By Research)Organic & In- organic Chemistry	Temporary	From 2003- 04
3.	Ph.D. Organic & In-organic Chemistry	Temporary	From 2012- 13

TRUE COPY



M.A.K.
29/7/15
(Dr. M. A. Khan)
REGISTRAR,
University of Mumbai



Ranade
PRINCIPAL
K.V. PENDHARKAR COLLEGE
ARTS, SCIENCE & COMMERCE
DOMBIVALI (E)

Annexure- II

(UGC 2 (f) and 12B Certificate)

UGC 2F/12B. Page (2)
March 95. Encl 1



UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
New Delhi-110 002.

D. S. P. MANDAL'S K. V. PENDHARKAR
COLLEGE OF ARTS, SCIENCE &
COMMERCE, DOMBIVLI (E),
DIST. THANE
INVT NO. 1009
DATE 16/4/95
INITIALS [Signature]

No. F. 8- 27/93(CFP-I)

The Registrar,
University of Bombay,
Bombay - 400 032.

March, 1995.
1 - APR 1995

Subj: List of Colleges prepared under Section 2(f) of the UGC Act, 1956 - Inclusion of new colleges.

Sir,

I am directed to refer to your letter No. Agt/Rec 9/54950/1994 dated 2-11-94 on the above subject and to say that the name of the following college has been included in the above list under Non-Government college teaching upto Bachelor's Degree.

Name of the College	Year of Estt.	Remarks
D.S.P. Mandal's K.V. Pendharkar College of Arts, Science & Commerce Dombivli (East)-421203 Distt. (Thane) (Sh. N.G. Kale)	1981	The College is eligible to receive central assistance in terms of the rules framed under section 12-B of the UGC Act, 1956.

The Indemnity Bond and other documents in respect of the above college have been accepted by the Commission.

Yours faithfully,
[Signature]
(R.L. SONDHI)
UNDER SECRETARY

Copy forwarded to:-

1. The Principal, D.S.P. Mandal's K.V. Pendharkar College of Arts, Science & Commerce, Dombivli (East) Distt. Thane-421 203.
2. The Secretary, Govt. of India, Ministry of Human Resource Development, Dept. of Education, T-14 Section, N. Delhi.
3. The Joint Secretary, UGC Regional Office, Industrial Chemical Laboratory, Near Panna University Campus, Pune-7.
4. All Officers/Sections in the UGC Office.
5. S.O., FD-III/OD Section, UGC, New Delhi.
6. Incharge, Computer Cell, UGC, New Delhi.
7. Guard File.

114-
16-4-95

10.4.95



TRUE COPY

[Signature]

[Signature]
(D.D. MEHTA)
SECTION OFFICER

Annexure- III

List of teachers who have attended Refresher course (R) / Orientation programme (O) / Short Term course (ST) organized by UGC-Academic Staff College:

2010-11

Sr. No.	Name of Faculty	Subject	Duration	Details of ASC
1	Ms. Amala Patwardhan	(O)-Library Sciences	2 nd to 30 th Dec 2010	University of Mumbai
2	Mr. Gahininath Sangle	(R)-Physics	31st Jan to 25th Feb. 2011	Jawaharlal Nehru University
3	Mr. Balasaheb Lahor	(R)-Marathi	2-30 Dec. 2010	University of Mumbai

2011-12

1	Ms. Arundhati Munje	(R)- Psychology	01-29 Feb.2012	Dr. Ambedkar Marathwada University, Aurangabad
2	Mr. Dhananjay Pagare	(R)- Economics	4-24 Oct. 2011	University of Mumbai
3	Ms. Hemlata Waghchaure	(O)-English	3-31 Aug. 2011	University of Mumbai
4	Dr. Santosh Mishra	(R)-English	15 Nov. to 14 Dec. 2011	University of Lucknow
4	Mr. Kailas Jagdeo	(R)-Physics	12-31 Dec, 2011	University of Mumbai, Mumbai

2012-13

1	Dr. Santosh kumar Mishra	(R)-English	6-26 Feb. 2013	North Bengal University, Siliguri , Darjeeling
2	Ms. Neha Salagare	(R)- Economics	4-23 Feb. 2013	University of Mumbai
3	Mr. Dhananjay Pagare	(R)- Economics	28 Mar. to 18 April 2013	GOA University

2013-14

1	Dr. Varsha Narvade	(O)- Zoology	20 th Dec 2013 to 16 th Jan. 2014.	Sant Gadgebaba Amaravati University
2	Dr. Abhijit Sahasrabuddhe	(O)- Botany	26 th May to 21 st June 2014	University of Mumbai
3	Ms. Amala Patwardhan	(R) – Library and Information Science	25 th Nov. 2013 to 15 th Dec. 2013	University of Pune
4	Ms. Mohini Savedkar	(O)-English	15 Nov. – 12 Dec. 2013	University of Mumbai
5	Mr. Balu Shirsat	(R)-Commerce	15 Nov. – 12 Dec. 2013	University of Mumbai
6	Ms. Hemlata Waghchaure	(R)-English	4 th -24 th Mar. 2014	G.N.D. University, Amritsar

2014-15

1	Dr. Varsha Narvade	(R)-Zoology	12 th May 2015 to 1 st June 2015	HRD centre, Panjab University, Chandigarh
2	Mr. Balu Shirsat	(R)-Commerce	9-28 Feb. 2015	University of Mumbai

Annexure- IV

(List of Minor and Major research projects)

Details of completed minor research projects, sanctioned by the University Grant Commission, and Mumbai University:

Sr. No.	Nature of the project	Name of the principal Investigator	Duration Year	Title of the Project	Funding Agency	Total Grant received and Used (Rs./-)
01	Minor	Dr. A. K. Ranade	2010-11	A Study of Donation Patterns in Maharashtra in the Post Satavahan Age (3 rd -5 th Centuries a.d.)	University of Mumbai	7,000/-
02	Minor	Dr. N.S. Suryawanshi	2010-11	Studies of Rhizosphere Rhizoplane micro-organism with Mangrove plants.	UGC	1,10,000/-
03	Minor	Dr. N.S. Suryawanshi	2010-11	Biotechnological approaches towards integrated management of plant diseases.	University of Mumbai	18,000 /-
04	Minor	Dr. B.T. Mukherjee	2010-11	Synthesis of Carbon Nano Beads from 2 Propanol.	University of Mumbai	25,000/-
05	Minor	Dr. K. R. Jagdeo	2010-11	Corrosion resistance of ZrN coated 316LSS in artificial physiological solution	University of Mumbai (02/2010-2011)	25,000/-
06	Minor	Dr. A. P. Dixit	2012-13	On cuticle studies of the dominant trees and shrub taxa of western ghat belongs to polypetale	UGC	1,70,000/-

07	Minor	Dr. N.S. Suryawanshi	2012-13	Studies on Integrated Management of Strawberry Diseases.	University of Mumbai	26 400/-
08	Minor	Dr. M. P. Phanse	2012-13	“Study of the Effect of Dry Organic Household Waste on the Nutrient content of the soil”	University of Mumbai	
09	Minor	Dr. B.T. Mukherjee	2013-14	“Study of absorption of microwave by carbon nano materials synthesised from cotton.”	University of Mumbai	25,000/-
10	Minor	Dr. K. R. Jagdeo	2013-14	Electrochemical Corrosion studies of heat treated NiTi- Shape Memory Alloy in Financial Physiological Solution	University of Mumbai (16/2013-2014)	30,000/-
11	Minor	Mr. D. T. Pagare	2014-15	Impact of new industrial policy on Small Scale Industry	University of Mumbai	25,000/-
12	Minor	Mr. G. B. Sangle.	2014-15	Synthesis of Zinc coated carbon nanomaterial obtained from vegetable oil by CVD. MU APD/35/of 2014 17 th oct.2014	University of Mumbai	41,000/-

Annexure- V

(Post Accreditation Initiatives)

- 1) As recommended by you separation between junior and degree college is not possible as it is the policy of Government of Maharashtra
- 2) Government of Maharashtra, Department of Higher Education, so this does not come under the purview of Institution.
- 3) Bridge and remedial courses: As far as bridge and remedial courses are concerned, the institution has taken positive note of this recommendation, and Principal has motivated all the departments to conduct bridge and remedial courses, as per the needs of departments.
- 4) As per your recommendation the institution is aware about the need for the development of English language skills of the students. Institution receives the inputs of the students from the vicinity where most of the students are first generation learners coming from vernacular background.

In view of the above thought we could not establish language laboratory as such, however department of English has taken many initiatives to focus and improve English language skills. It has started a short term certificate course in Verbal English

- 5) As far as teaching aids like LCD projectors in class rooms are concerned, every class room is not equipped with such facility. Institution has 2 conference halls, one auditorium and Bioinformatics laboratory which is equipped with these facilities and is made available to the departments on priority basis when they ask for.
- 6) Institution takes pride in mentioning that INFLIBNET facility is made available to the students as well as staff members by the library. During the year 2013-14 our institution was one among top ten users of this facility in the world.
- 7) Various job oriented diploma and certificate courses, depending on the demand from the students were introduced by the institution.
- 8) Career and Placement cell has always been active since long. Institution has formed a separate committee with the senior faculty as the Chairman who exclusively looks after the placement cell. Institution has strong record of the placements made so far with many companies / organisations
Different companies / organisations offered placements to 321 students through the Career and Placement Cell in last five years.
- 9) Institution has separate research committee in which senior researchers motivate all staff members including the young entrants to prepare minor research proposals which are forwarded to the funding agencies at the earliest.

Projects completed during last five years

UGC- 02 with the total grant of Rs. 2,80,000

University of Mumbai -12 with the total grant of Rs. 2,61,000

Ongoing research projects

Six minor research projects are sanctioned by UGC with the total grant of Rs.9,80,000.

Two minor research projects are sanctioned by University of Mumbai with the total grant of Rs. 66,000/-

- Total amount of grant received under BSR- Rs 10,00,000
- **Number of research papers presented and published during last five years**

Papers presented during last five years

i) State Level Conferences – 16

ii) National Conferences - 112

iii) International Conferences - 54

- **Papers published during last five years – 137**

- **Research Centers:**

Research center in Chemistry

Nano research centre

Proposed research center

Accountancy

Physics

- **Details of research activity by faculty**

- Completed PhD under Faculty Development Programme of UGC (FDP)- 4 faculty

- Completed PhD without FDP- 4 faculty

- Pursuing PhD- 5 faculty

- FDP sanctioned -1 faculty

10) Institution has strong record of NCC and NSS activities through which students are encouraged to participate in nation building activity.

Since 1981 we have girls NCC unit and from 2001 boys NCC unit affiliated to 1 Maharashtra girls battalion and three Maharashtra boys battalion respectively. Similarly NSS unit is also very active since 1981.

- One of our NSS program officers, Dr S. S. Mahajan was awarded District level best NSS Program Officer in year 2010-11. During the same year the institution was awarded District level best NSS unit by University of Mumbai.

- Capt. Dr. A.K. Ranade has been awarded “Service Medal” by directorate of NCC under Defence Ministry for her dedicated service towards Girl’s NCC unit.

- **Additional initiative in outreach programme**

- **Inception of Rotaract Club of K. V. Pendharkar College:**

- Under the aegis of K. V. Pendharkar College and technical support from Rotary Club of Dombivli (West) students amalgamated and founded the Rotaract Club of K. V. Pendharkar College. It was officially chartered on **28th September, 2010**. The objective was to provide an opportunity to college students to enhance knowledge and skills required for professional development, to address physical and social needs of their communities, and to promote better relations amongst all people worldwide through a framework of friendship and service. Various outreach programmes undertaken by this club show their significant contribution in nation building activity.

- **Newly introduced courses**

- 2011-12 MCOM (Adv. Accountancy)
 - 2012-13 UGC sponsored certificate course in Bioinformatics, B.Com.(Accounting and Finance), Ph.D. Chemistry.
 - Ten departments have started their short term certificate courses since the year 2013-14
 - Proposed course in counselling PGDC from 2015-16

- **Departmental Publications**

- Since 2011 some departments have started bringing out their Departmental Publications.

- **Internal academic audit** –Since 2013-14 Institution started conducting internal academic audit of all departments for monitoring the performance of different departments.

- **Seminars, workshops conferences conducted during last five years.**

- **2010-11**

1. Placement and Vocational Guidance Cell of college in collaboration with BMS department conducted a full day workshop on how to crack group discussion and personal interviews with the help of Mr. Charles Roy and his team on 3rd August 2010.
2. MA Part II students of Psychology department along with Counseling and Guidance Cell arranged one day workshop on 'Aptitude testing and Vocational guidance' for school on 6th December 2010.
3. One day workshop on 'Demonstration of practical techniques in Biology' was conducted by Department of Biotechnology for 12th standard science students in August, 2010.
4. The department of Banking and Insurance in collaboration with Bombay Share Holders Association conducted a workshop on 'Indian Capital Market' on 15th September 2010.
5. One day orientation workshop on 'Practical skills in Fruit and Vegetable carving' conducted by Dr. Meenakshi Vaidya, Faculty from Mithibai College was organized by Department of Biotechnology on 16th December 2010.

6. One day seminar on 'Career guidance' in collaboration with MET for undergraduate students was organized on 28th February 2011 by department of Computer Science.

2011-12

1. One day workshop on 'Demonstration of practical techniques in biology' was conducted by Department of Biotechnology for 12th standard science students on 17th August, 2011.
2. Women Development Cell of the college organized one day workshop on 'Sex Education' for all first year students on 30th August 2011.
3. Department of Biotechnology in collaboration with GEEBEE arranged one day seminar on 'Oversees Education in the field of Life Sciences' on 15th September 2011.
4. The department of Computer Science arranged CDAC seminar in collaboration with MET on 10th December' 2011
5. Placement cell and Career Guidance Cell of the college conducted one day workshop for Third year students on 'How to crack group discussion and Appear for personal interview' in collaboration with TIME group.
6. BMS department and GEEBEE education jointly conducted a workshop on 'Studies abroad' on 3rd August 2011.
7. Counseling Cell and Department of Psychology jointly arranged a one day workshop on 'Motivation and Study Habits' for benefit of F. Y. students in September 2011.
8. Department of Banking & Insurance and CFP institute jointly organized a seminar on 'Certified financial planner - as a Career option' on 13th December 2011.
9. A seminar in collaboration with IBFI/NIIT was arranged by Department of Banking & Insurance on 'Career opportunities in Banking & Insurance on 23rd January 2012.
10. On 28th January, 2012 a workshop on 'Marketing of insurance products' was conducted by Sales Manager METLIFE on behalf of B & I department.

2012-13

1. On 16th December 2012, Counselling and Guidance Cell and Department of Psychology jointly organized a one day workshop on 'Effective study habits and Personality Development' for the benefit of students.
2. A special workshop for TYBA on 'GIS' was organized on 24th November 2012 by Department of Geography in collaboration with GIS department, IIT Mumbai.
3. One day seminar in 'Research Methodology in History' for M. Phil and Ph.D research scholars was organized on 15th January 2013 by the Department of History.
4. **A two day national conference on 'Impact of Globalization on Culture, Commerce and Technology'** was organized by K.V.

Pendharkar College and University of Mumbai on 15th and 16th February 2013.

5. A one day district level workshop on 'API: How to Present the Facts and How to Calculate the Scores' was organized on 18th April 2013.

2013-14

1. Department of Banking & Insurance arranged a seminar for FY and SY students on 'Career opportunities' jointly with Cost Advantage Wealth Management Private Ltd. on 17th July, 2013.
2. A one day workshop on 'Dynamics of banking and insurance' was arranged on 10th August 2013 by Department of B & I.
3. A one day inter-collegiate workshop at the university level in association with the Board of Studies in History on Changed Examination Pattern and Evaluation System at TYBA (History) Examinations was organized on 31st August 2013 by Department of History.

Outcome:

1. The workshop resulted in orienting the faculty members toward changed examination pattern and evaluation system.
2. One day workshop on 'Research Methodology' was organized on 31st August 2013 by department of Geography.
3. A workshop on 'Marital Counseling' along with Manas Foundation, Dombivli was conducted by Department of Psychology on 29th September, 2013 for citizens of Dombivli.
4. A week long workshop on 'Research Methodology' under Faculty Development Programme was jointly organized by the IQAC and the department of Botany from 30th December 2013 to 5th January 2014.
5. The Department of Psychology organized a workshop on 'Fingerprint Analysis' on 7th January, 2014.
6. A one day workshop on 'History, Archaeology & Human Culture' was jointly organized by the department of History, K.V. Pendharkar College in collaboration with P.L. Shroff College and L.J.N.J Mahila Mahavidyalaya, SNTD University on 15th February 2014.
7. The Department of BMS in collaboration with IMS arranged a seminar on 4th February 2014 to 'prepare students for CAT and CET exams'.
8. The department of BMS arranged 'Art of Living' workshop for FY BMS students for stress management.
9. The department of Computer Science and Information Technology arranged a seminar based on 'Career opportunities other than MCA or MBA' for TYBSc students jointly with MET, Bandra

2014-15

1. A one day inter-collegiate research convention 'Avishkar 2014- 15' was jointly organized by University of Mumbai and K.V. Pendharkar College on 9th July 2014 at K.V. Pendharkar College
2. **An inter-national conference on 'Nanomaterials For Sustainable Green Technology'** was jointly organized by the departments of Chemistry and Physics under the aegis of University of Mumbai on 5th and 6th January 2015. In addition to senior scientists from India, scientist from Japan, Italy, U.S., Mexico graced the occasion.
3. **A Two Day National Conference on 'Accounting, Finance and Management: Current Issues and Development'** was organized on 13th and 14th February 2015.
4. A one day workshop on 'Fruit Preservation' was organized by Department of Botany on 22nd February 2015
5. A one day inter-collegiate seminar on 'Reform Movement in Maharashtra through the Ages' was organized on February 22' 2015 for Degree and Post Graduate students of History.
6. A one-day workshop on 'Fostering Entrepreneurship among College Students' was organized on February 22, 2015 by the department of Economics.
 - 7) A workshop on "Credit Based Grading System ; Implementation and Issues was arranged by the institution on 28th February 2015.

Outcome- Interactive session of the workshop gave clear idea about the present pattern of examination.

- **Research Centers:**
Chemistry
Nano research centre
Proposed research center
Accountancy
Physics
- **Coaching center**
Coaching for CA orientation course and GMCS
- **Proposed coaching centre to be started in 2015-16**
Coaching for competitive examinations in collaboration with Spectrum Academy.
Coaching for Professional Examinations like CA, CS in association with Panchakshari institution.
- **MOUs**

The College has entered into MOU, for varied purposes with a number of organizations viz.

Industries:

- Monarch Catalyst Pvt. Ltd. Dombivli, Maharashtra.

- Innovative Organics, Dombivli. Maharashtra.
- Monad Nanotech Pvt. Ltd. Mumbai. Maharashtra.
- Surface coating industries Thane, Maharashtra. (at negotiation stage)

Educational Institutions:

- D.U.B. Senior science college, Dapoli, Ratnagiri, Maharashtra.
- CENNUM Mumbai, Maharashtra.
- S. H. Mutha College Kalyan. Maharashtra.

International MOU and Faculty Exchange Programme

- The Juarez Autonomous University of Tabasco, **Mexico**.

NGO:

- Urvi Vikram Charitable Trust (UVCT), a Non-Governmental and non-profit organization, Delhi.

Foreign Delegates - visited the institution

- **Prof. Narayan S. Hosmane**, Northern Illinois University, USA.
- **Dr. Newman Michael Splart**, CRNS, France.
- **Dr. Pio Sefuntes Gillardio**, The Juarez Autonomous University of Tabasco– Mexico.
- **Prof. Masaki Tanemura**, Nagoya Institute of Technology, Japan.
- **Dr. Basu Krishnan**, Global Manager, Henkel Adhesives, Canada.
- **Dr. Anjelica S Lopez**, The Juarez Autonomous University of Tabasco– Mexico.
- **Dr. Manisha Sharan**, Bakers College, Michigan, USA.
- **Dr. Golap Kalita**, Nagoya Institute of Technology, Japan.
- **Dr. Pravin Jagdale**, Polytechnic of Turin, Italy.
- **Infrastructure**
- Bioinformatics Lab
- IT Lab
- Nano Lab
- Renovation of Biotechnology and zoology lab.
- New conference hall on first floor
- Separate administrative block for unaided section
- Separate office place for management
- Staircase joining two buildings
- Staircase for emergency exit
- Fire fighting equipments
- Paved blocks laid along with landscaping.
- Gymnasium- in association with Urja unlimited.
- Shooting range –in association with Gagan Narang's gym for Glory Academy
- INFLIBNET enlist

- 1) Installation of 1) second generator set 2) Transformer for exclusive use in the campus.
- 2) Audio books for visually challenged students.
- 3) High speed internet connection
- 4) Limited Wi-fi facility
- 5) Tally software for accounts and other office work.
- 6) Installation of SLIM 21 software in the library.
- **Resources added**

Sr. No.	Instruments	Bill No. /Date	Amounts	Purchased from
01	Air conditioner	GBI/ 08-03-098-271 PACO9 15/03/2013	Rs.2,65,000	GlobworkInfotech
02	AC. Installation,	271 - 18/03/2013	60,000	Vijay Sale
03	Projector- Epson	G1/MAR/00278 30/04/2013	25,500	GlobworkInfotech
04	Projector- Epson	G1/MAR/00282 30/04/2013	2000	GlobworkInfotech
05	Computer	G1/MAR/00278 30/04/2013	196500	GlobworkInfotech
06	Vertical get Electrophoresis	SO/516/13 09/04/2013	18,022	Science House
07	Horizontal Gel electrophoresis	SO/516/13 09/04/2013	18022	Science House
08	Digital PH Meter	SO/516/13 09/04/2013	10350	Science House
09	Vortex Mixer	SO/516/13 09/04/2013	8100	Science House
10	Micropipette Pipette	120/1 08/04/2013	4725	Arvind Industry
11	Digital Colorimeter	120/2 08/04/2013	11551	Arvind Industry
12	Laboratory Upgradation	02.06.2010	5,10,862	Una Enterprises
13	Conductometer EQ-660A	47/22.09.2010	6,243	LAB-LINK
14	Colorimeter EQ-650A X 2	47/22.09.2010	14,152	LAB-LINK
15	Potentiometer EQ-602 X 2	47/22.09.2010	9,990	LAB-LINK
16	pH Meter EQ-614	47/22.09.2010	7,076	LAB-LINK
17	Turbidity Meter EQ-811	47/22.09.2010	7,076	LAB-LINK
18	Anamed electronic	50/23.09.2010	56,700	Anamed

	Balance			Instruments
19	Projector SONY	1218/24.09.2010	36,000	BNK Audio Visuals
20	Voltage Stabilizer	50/25.09.2010	10,688	Hertz Transelektro
21	Deep Freezer	251/10/27.09.2010	15,800	Super Aie Systems
22	Centrifuge(Remi)-4 tube X2	ASI-214/10-11 28.09.2010	9,562	Avi Scientific
23	Vaccum Pump	ASI-214/10-11 28.09.2010	46,125	Avi Scientific
24	Soxhlet Extraction Heater	ASI-214/10-11 28.09.2010	14,062	Avi Scientific Avi Scientific
25	Distilled Water Plant X 2	ASI-214/10-11 28.09.2010	19,687	Avi Scientific

- **No. of computers and laptops added during last five years.**
Total 141 computers and 07 laptops were purchased by the institution
- **Study leave under Faculty Development Programme (FDP)**
UGC has sanctioned leave under FDP to Ms. Padma Sathe from department of Chemistry to pursue her PhD.
- **Environmental awareness**
- Installation of sewerage treatment plant
- Tree plantation in and around campus.
- Plantation of Tulsi and Shevanti for greater carbon absorption
- Green audit of campus
- Survey of MIDC resident area to explain the water conservation techniques and to know the impact of pollution on the residents.
- Electricity audit by Department of Physics.
- Recycling of Old papers.
- **Students' Achievements**
- Ms. Shraddha M. Chondhe of F. Y. B. A. won Silver medal at the National Yoga competition held in Hyderabad.
She is selected for the *Asian Cup in Yoga* to be held in *South Korea* and for the *World Cup* to be held in *Dubai*.
- One student Joined as commissioned officer
- Ms. Kadambari Oze of TYBA Economics participated in World dance Festival Istanbul
- **Details of the University rank holders from the college:**

Sr. No.	Name of the Student	Year	Subject	Rank/Position
1	Ms. Christina Thomas (T. Y. B. A.)	2010-11	English Literature	3 rd rank in University.
2	Ms. Neha Patil (T. Y. B. Sc.)	2011-12	Bio-Technology	1 st rank in University.



DOMBIVLI SHIKSHAN PRASARAK MANDAL'S
K. V. PENDHARKAR COLLEGE
ARTS, SCIENCE & COMMERCE



Plot No. SPL-4, Opp. MIDC Office, Dombivli (E) - 421 203. Dist. Thane.
Telefax : (0251) 2473282 • E-mail : kvpcollege@hotmail.com

Declaration by the Head of the Institution

I certify that the data included in this Self-Study Report (SSR) is true to the best of my knowledge.

This Self-Study Report is prepared by the institution after internal discussion 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.

Date : 04.01.2016

Place : Dombivli



Ranade
(Dr. A.K.Ranade)
Principal

PRINCIPAL
K. V. PENDHARKAR COLLEGE OF
ARTS, SCIENCE & COMMERCE
DOMBIVLI (EAST)