

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

1. Details of the Institution

| | | |
|-----|--------------------------------------|--|
| 1.1 | Name of the Institution | Rayat Shikshan Sanstha's KARMAVEER BHAURAO PATIL COLLEGE, VASHI |
| 1.2 | Address Line 1 | Sector -15 A |
| | Address Line 2 | Jhunagar |
| | City/Town | Vashi, Navi Mumbai |
| | State | Maharashtra |
| | Pin Code | 400 703 |
| | Institution e-mail address | principal@kbpcollegevashi.edu.in |
| | Contact Nos. | 022-27661210 |
| | Name of the Head of the Institution: | Dr. V. S. Shivankar |
| | Tel. No. with STD Code: | 022-27663723 |
| | Mobile | 9004933323 |
| | Name of the IQAC Coordinator | Dr. Shubhada Nayak |
| | Mobile | 9869845255 |
| | IQAC e-mail address | iqac@kbpcollegevashi.edu.in |
| 1.3 | NAAC Track ID: | EC/54/RAR/096 |

1.4 Website address

Web-link of the AQAR

1.5 Accreditation Details

| Sr. No. | Cycle | Grade | CGPA | Year of Accreditation | Validity Period |
|---------|-----------------------|-----------------|------|-----------------------|-----------------|
| 1 | 1 st Cycle | B ⁺⁺ | | 2004 | 05 |
| 2 | 2 nd Cycle | A | 3.28 | 2011 | 05 |
| 3 | 3 rd Cycle | | | | |
| 4 | 4 th Cycle | | | | |

1.6 Date of Establishment of IQAC

1.7 AQAR for the year

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*for example AQAR 2010-11 submitted to NAAC on 12-10-2011*)

- i. AQAR 2011-12 submitted to NAAC on 02/07/2012
- i. AQAR 2012-13 submitted to NAAC on 24/12/2013
- i. AQAR 2013-14 submitted to NAAC on 20/10/2014
- i. AQAR 2014-15 submitted to NAAC on 30/09/2015

1.9 Institutional Status

| | | | | |
|---------------------------|-------|-------------------------------------|--------|-------------------------------------|
| University | State | <input type="text"/> | Center | <input type="text"/> |
| Affiliated College | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| Constituent College | Yes | <input type="checkbox"/> | No | <input checked="" type="checkbox"/> |
| Autonomous college of UGC | Yes | <input type="checkbox"/> | No | <input checked="" type="checkbox"/> |

Regulatory Agency approved Institution (eg. AICTE, BCI, MCI, PCI, NCI) **Yes** **No**

Type of Institution **Co-education** **Men** **Women**

Urban **Rural** **Tribal**

Financial Status **Grant-in-aid** **UGC2(f)** **UGC12B**

Grant-in-aid+ self Financing **Totally self-financing**

1.10 Type of Faculty/Programme:

Arts Science Commerce Law PEI(PhysEdu)

TEI (Edu) Management Engineering Health Science

Others (Specify)

- Center for Yashwantrao Chavan Open University
- Community College

1.11 Name of the Affiliating University (for the Colleges)

University of Mumbai

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc.

Autonomy by State/Central Govt. / University

University with Potential for Excellence³ UGC-CPE

| | | | |
|----------------------------------|------------------------------------|------------------------------|------------------------------------|
| DST Star Scheme | <input type="checkbox" value="√"/> | UGC-CE | <input type="checkbox"/> |
| UGC-Special Assistance Programme | <input type="checkbox"/> | DST-FIST | <input type="checkbox" value="√"/> |
| UGC-Innovative PG programmes | <input type="checkbox"/> | Any other (<i>Specify</i>) | <input type="checkbox"/> |

2. IQAC Composition and Activities

| | | |
|-------|--|---------------------------------|
| 2.1. | No. of Teachers | <input type="text" value="09"/> |
| 2.2. | No. of Administrative/Technical staff | <input type="text" value="02"/> |
| 2.3. | No. of students | <input type="text" value="01"/> |
| 2.4. | No. of Management representatives | <input type="text" value="01"/> |
| 2.5. | No. of Alumni | <input type="text" value="01"/> |
| 2.6. | No. of any other stakeholder and community representatives | <input type="text" value="01"/> |
| 2.7. | No. of Employers/ Industrialists | <input type="text" value="01"/> |
| 2.8. | No. of other External Experts | <input type="text" value="00"/> |
| 2.9. | Total No. of members | <input type="text" value="14"/> |
| 2.10. | No. of IQAC meetings held | <input type="text" value="04"/> |
| 2.11. | No. of meetings with various stakeholders No | <input type="text" value="14"/> |
| | | Faculty |
| | | <input type="text" value="10"/> |

Non-Teaching Staff Students Alumni Others

2.12. Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

Seminars and Conferences (only quality related)

(i). No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total No. International National State Institution Level

(ii) Themes

1. ISO 9001: 2015 standards
2. Knowledge Sharing Forum
3. State-level workshop for Non-teaching staff

2.13. Significant Activities and contributions made by IQAC

- For development and application of quality benchmarks/parameters of the various academic and administrative activities of the institution, IQAC commenced the ISO 9001:2008 accreditation process in 2013. This year continuation of certification was done and the certificate was awarded to the college on 26th July 2015.
- Celebration of “International Yoga Day” was celebrated on 21st June 2015. Dr. Lalitha Dhareshwar [Raja Ramanna Fellow, BARC] gave talk on “Learn to Meditate” and conducted meditation session.
- Orientation sessions of freshmen were conducted on August 8-10, 2015.
- Faculty Development Program titled- “Self Development Programme in the Context of Spirituality- A Practical Approach” was conducted in the months of September and October 2015. Ten sessions were conducted by expert invited guest speakers. Forty teachers were trained in this program who took this value based education to the students of third year under graduation and post graduation.
- Felicitation programme was conducted to appreciate extraordinary services of teaching and non-teaching staff on 16th September 2015. Dr. Vijay Joshi [Principal, K.J. Somaiya College, Mumbai] graced the function as a chief guest.
- State-level workshop for Non-teaching staff was organized on 2nd April 2016. The topics

covered were Communication Skills and Etiquettes, Administrative Work Culture, MIS, Safety in Laboratory, Working in Library.

- Mr. John Barlow [Former Sr. Director, Boston Medical Centre, USA] and Mrs. Betsy Barlow were invited to give a talk on “Self Development and Spirituality”] on 18th January 2016.
- Knowledge Sharing Forum: This is a new initiative by IQAC to provide platform to the faculty members to share the knowledge with the peers and contribute to the learning and growth of individuals and ultimately of the institute. First forum meeting was conducted on 12th April 2016, in which three sessions were conducted on following topics: Innovating Practices in Teaching, Learning and Evaluation, Research Based Pedagogical Tools and Using e-library.

2.14. Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

| Plan of Action | Achievements |
|---|--|
| ISO 9001:2008 continuation of certification | ISO 9001:2008 continuation certificate was awarded on 26 th July 2015 |
| Assign scope of work for each committee and monitor their functioning once every semester | Each of the 50 committees were given clear instructions about the scope of work. The committee chairpersons were asked to submit the Annual Plan of work. Monitoring of committees were done once in every term. |
| Internal Academic Monitoring of departments | Activities of departments were monitored by Internal Academic Monitoring Committee under the guidance of IQAC |
| Conduct Value Based Education for students | Forty faculty members were trained by external experts to conduct the programme, “Self Development Programme”. These trained teachers conducted the ten module programme for 1000 students. |
| Organize state-level workshop for non-teaching staff. | State-level workshop for Non-teaching staff was organized on 2 nd April 2016. The topics covered |

| | |
|--|---|
| | were Communication Skills and Etiquettes, Administrative Work Culture, MIS, Safety in Laboratory, Working in Library. |
|--|---|

**Attach the Academic Calendar of the year as Annexure.*

- 2.15. Whether the AQAR was placed in statutory body
- Management Syndicate Alumni Any other body
- Provide the details of the action taken

| |
|--|
| The AQAR was approved by the Local Managing Committee. |
|--|

Criterion – I

Curricular Aspects

1.1 Details about Academic Programmes

| Level of the Programme | Number of existing Programmes | Number of programmes added during the year | Number of self-financing programmes | Number of value added / Career Oriented programmes |
|------------------------|-------------------------------|--|-------------------------------------|--|
| PhD | 03 | - | 03 | - |
| PG | 10@ | - | 10 | - |
| UG | 13 | | 06 | 29\$ |
| PG Diploma | - | - | - | - |
| Advanced Diploma | 01 | - | 01 | - |
| Diploma | - | - | - | - |
| Certificate | - | - | - | - |
| Others | 02* | - | - | - |
| Total | 32 | - | 20 | 29 |
| Interdisciplinary | - | - | - | - |
| Innovative | - | - | - | - |

Both by papers and by research

\$ Career Oriented Courses - 04, Value added/skill development Courses-25

* **SMART** course under **COMMUNITY COLLEGE**. Also, college runs study center for **Yashvantrao Chavan Maharashtra Open University** through which B.A., B.Com., B.Lib., M.Lib., M.B.A. courses are run.

- 1.2 (i). Flexibility of the Curriculum: CBCS/Core/Elective option / Open options The college being affiliated to University of Mumbai, it is governed by the University rules and regulations for offering flexibility of the curriculum. The university has Credit Based Semester & Grading System for all undergraduate and post graduate courses.

Core options:

A. At UG level:

| Sr. No. | Faculty | Subject |
|---------|------------|--|
| 1 | Science | Physics, Chemistry, Microbiology, Mathematics, Biotechnology, Information Technology, Computer Science |
| 2 | Commerce | Commerce and Accountancy, Banking and Insurance, Accounts and Finance |
| 3 | Arts | Economics, English, Geography, Psychology |
| 4 | Management | Management Studies |

B. At PG level:

| Sr. No. | Faculty | Subject |
|---------|----------|---|
| 1 | Science | Microbiology [By Papers & By Research] Bioanalytical Science [By Papers] Physics [By Research] Organic/Inorganic/Analytical Chemistry [By Papers & By Research] Mathematics [By Papers] Information Technology [By Papers] Computer Science [By Papers] |
| 2 | Commerce | Commerce & Accountancy |

Elective options:

| Sr. No. | Faculty | Elective Subjects |
|---------|----------|---|
| 1 | Science | T.Y.B.Sc.: One applied course is compulsory. No freedom of choice is given as per the University Rules. |
| 2 | Commerce | S.Y.B.Com.: Advertisement / Computer applications are the elective options. T.Y.B.Com.: Direct & Indirect Tax / Computer system and applications, Export management / Marketing research, Taxation / Export marketing are the electives available. |

| | | |
|---|------|--|
| 3 | Arts | T.Y.B.A.: Elementary Mathematics and statistics for economics / Economy of Maharashtra |
|---|------|--|

Open options: Cannot be offered as per the university rules.

(ii) Pattern of programmes:

| Pattern | Number of programmes |
|-----------|--------------------------|
| Semester | 13 UG & 10 PG |
| Trimester | - |
| Annual | - |

1.3 Feedback from stakeholders*

| | | | | | | | |
|--------|-------------------------------------|---------|-------------------------------------|----------------------|-------------------------------------|----------|-------------------------------------|
| Alumni | <input checked="" type="checkbox"/> | Parents | <input checked="" type="checkbox"/> | Employers | <input checked="" type="checkbox"/> | Students | <input checked="" type="checkbox"/> |
| Online | <input checked="" type="checkbox"/> | Manual | <input checked="" type="checkbox"/> | co-operating schools | <input type="checkbox"/> | No | <input type="checkbox"/> |

Mode of feedback (for PEI)

****Please find an analysis of the feedback attached separately.***

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Syllabi revised in the academic year 2015-16

| Course | Class for which syllabus is revised | Salient Features |
|---------------|-------------------------------------|---|
| Chemistry | S.Y.B.Sc. | Addition of Industrial and Environmental Chemistry |
| Mathematics | S.Y.B.Sc. | Addition of Group theory through which student is exposed to abstract maths |
| Physics | S.Y.B.Sc. | Addition of integral algebra, calculus, curvilinear coordinates, SSR timer, VJT |
| Biotechnology | S.Y.B.Sc. | Included advance practical experiments. Theory and practical are correlated. |

| | | |
|------------------|------------|--|
| BAF | T.Y.B.A.F. | Included more topics of accounting and finance |
| B.M.S. | S.Y.B.M.S. | Syllabus is more industry friendly |
| Computer science | F.Y.C.S | Syllabus is oriented as per the industry needs |
| | M.Sc.I | Introduced more recent and advanced trends in the subjects |

1.5 Any new Department/Centre introduced during the year. If yes, give details.

No

Criterion II

Teaching Learning and Evaluation

2.1 Total No. of Permanent faculty

| Total | Asst. Professors | Associate Professors | Professors | Others |
|-------|------------------|----------------------|------------|-----------------------|
| 33 | 13 | 18 | - | Principal & Librarian |

2.2 No. of permanent faculty with Ph.D.

| |
|----|
| 12 |
|----|

2.3 No. of faculty Positions Recruited (R) and Vacant (V) During the year:

| Asst. Professors | | Associate Professors | | Professors | | Others | | Total | |
|------------------|---|----------------------|---|------------|---|--------|---|-------|---|
| R | V | R | V | R | V | R | V | R | V |
| - | - | - | - | - | - | - | - | - | - |

2.4 No. of Guest and Visiting faculty and Temporary faculty

| | | |
|---|---|----|
| - | - | 80 |
|---|---|----|

2.5 Faculty participation in conferences and symposia

| No. of Faculty | International level | National level | State level |
|------------------|---------------------|----------------|-------------|
| Attended | 04 | 52 | 04 |
| Presented papers | 15 | 17 | 02 |
| Resource Persons | - | - | - |

2.6 Innovative processes adopted by the institution in Teaching and Learning:

Students take short term online courses on websites like www.edx.org, www.coursera.org and www.moocs.org

Use of ICT in the form of power point presentations, animations, videos during teaching

Formation of google and WhatsApp groups for provision of study materials

Use of e-books

Research projects for undergraduate students

Introduction of experiments which are not part of the curriculum

Guidance on scientific writing

Preparation of models

Organizing advance learning and remedial coaching classes

2.7 Total No. of actual teaching days 203

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

Open book test, Double valuation, photocopy, Online exams in the form of Multiple Choice Questions, Quiz, Seminars, One minute test

2.9 No. of faculty members involved in curriculum

Restructuring/revision/syllabus development - 09 -

As member of Board of Study/Faculty/Curriculum Development workshop

2.10 Average percentage of attendance of students 85%

2.11 Course/Programme wise distribution of pass percentage:

| Title of the Programme | Total no. of students appeared | Grade | | | | | | |
|------------------------|--------------------------------|-------|----|----|----|---|---|----|
| | | O | A | B | C | D | E | F |
| M.Sc. I Bioanalytical | 17 | - | 03 | 04 | 04 | - | - | 06 |

| | | | | | | | | |
|---|----|----|----|----|----|----|---|----|
| Sciences [Sem. I] | | | | | | | | |
| M.Sc. I Bioanalytical Sciences [Sem. II] | 17 | 01 | 04 | 09 | 02 | - | - | 01 |
| M.Sc. II Bioanalytical Sciences [Sem. III] | 06 | - | 02 | 02 | 01 | - | - | 01 |
| M.Sc. II Bioanalytical Sciences [Sem. IV] | 06 | - | 03 | 02 | - | - | - | 01 |
| M.Sc. I Microbiology [Sem. I] | 16 | - | 05 | 02 | 03 | 05 | - | - |
| M.Sc. I Microbiology [Sem. II] | 18 | - | 02 | 04 | 02 | 01 | - | 09 |
| M.Sc. II Microbiology [Sem. III] | 22 | 03 | 09 | 06 | 02 | - | - | 02 |
| M.Sc. II Microbiology [Sem. IV] | 21 | 06 | 09 | 05 | - | - | - | 01 |
| M.Sc. I Chemistry [Sem. I] | 49 | - | 04 | 08 | 01 | - | - | 36 |
| M.Sc. I Chemistry [Sem. II] | 49 | - | 05 | 07 | 02 | - | - | 35 |
| M.Sc. II Chemistry [Sem. III] | 27 | - | 05 | 08 | 03 | - | - | 11 |
| M.Sc. II Chemistry [Sem. IV] | 29 | - | 08 | 08 | 02 | - | - | 11 |
| M.Sc. I Mathematics [Sem. I] | 19 | - | - | - | - | - | - | 19 |
| M.Sc. I Mathematics [Sem. II] | 19 | - | - | - | - | - | - | 19 |
| M.Sc. I Mathematics [Sem. III] | 16 | - | - | 01 | - | - | - | 15 |
| M.Sc. I Mathematics [Sem. IV] | 16 | - | - | - | - | - | - | 16 |

| | | | | | | | | |
|---------------------------|----|----|----|----|----|----|---|----|
| M.Sc. I IT [Sem. I] | 17 | - | 01 | 05 | 04 | - | - | 07 |
| M.Sc. I IT [Sem. II] | 15 | - | - | 03 | 01 | - | - | 11 |
| M.Sc. II IT [Sem. III] | 19 | - | - | 08 | 03 | 01 | - | 07 |
| M.Sc. II IT [Sem. IV] | 19 | 01 | 07 | 03 | 04 | - | - | 04 |
| M.Sc. I CS [Sem. I] | 15 | - | - | 01 | 03 | 01 | - | 10 |
| M.Sc. I CS [Sem. II] | 12 | - | 01 | 01 | 02 | - | - | 07 |
| M.Sc. II CS [Sem. III] | 12 | - | 01 | 01 | 02 | - | - | 07 |
| M.Sc. II CS [Sem. IV] | 07 | - | 03 | 02 | 01 | - | - | 01 |

Faculty: Science: UG

| Title of the Programme | Total no. of students appeared | Grade | | | | | | |
|--|--------------------------------|-------|----|----|----|----|---|----|
| | | O | A | B | C | D | E | F |
| T.Y.B.Sc. Microbiology [Sem. V] | 30 | 01 | 04 | 03 | 02 | - | - | 20 |
| T.Y.B.Sc. Microbiology [Sem. VI] | 30 | 02 | 05 | 06 | 04 | 01 | - | 12 |
| T.Y.B.Sc. Chemistry [Sem. V] | 102 | 08 | 21 | 18 | 03 | - | - | 52 |
| T.Y.B.Sc. Chemistry [Sem. VI] | 103 | 08 | 32 | 19 | 04 | - | - | 38 |
| T.Y.B.Sc. Physics [Sem. V] | 26 | 05 | 05 | 02 | 02 | - | - | 12 |
| T.Y.B.Sc. Physics [Sem. VI] | 26 | 07 | 04 | - | 02 | - | - | 13 |
| T.Y.B.Sc. Mathematics [Sem. V] | 37 | 06 | 07 | 05 | 02 | 01 | - | 16 |

| | | | | | | | | |
|---------------------------------|-----|----|----|----|----|----|----|----|
| T.Y.B.Sc. Mathematics [Sem. VI] | 37 | 08 | 11 | 02 | - | - | - | 16 |
| T.Y.B.Sc. Biotech [Sem. V] | 28 | - | 06 | 09 | 02 | - | - | 11 |
| T.Y.B.Sc. Biotech [Sem. VI] | 28 | 02 | 10 | 09 | 04 | - | - | 03 |
| T.Y.B.Sc. IT [Sem. V] | 107 | 03 | 12 | 21 | 14 | 02 | 16 | 39 |
| T.Y.B.Sc. IT [Sem. VI] | 105 | 02 | 15 | 20 | 05 | 01 | 10 | 52 |
| T.Y.B.Sc. CS [Sem. V] | 28 | - | 06 | 06 | 05 | - | - | 11 |
| T.Y.B.Sc. CS [Sem. VI] | 28 | - | 08 | 04 | 06 | 01 | - | 09 |

Faculty: Commerce: PG

| Title of the Programme | Total no. of students appeared | Grade | | | | | | |
|------------------------|--------------------------------|-------|----|----|----|----|----|----|
| | | O | A | B | C | D | E | F |
| M.Com. I [Sem. I] | 133 | 01 | 13 | 16 | 24 | 10 | 01 | 68 |
| M.Com. I [Sem. II] | 88 | 01 | 15 | 17 | 12 | 07 | - | 36 |
| M.Com. II [Sem. III] | 79 | - | 07 | 23 | 14 | 04 | - | 31 |
| M.Com. II [Sem. IV] | 56 | 01 | 14 | 19 | 07 | 04 | 02 | 09 |

Faculty: Commerce: UG

| Title of the Programme | Total no. of students appeared | Grade | | | | | | |
|------------------------|--------------------------------|-------|----|----|----|----|----|-----|
| | | O | A | B | C | D | E | F |
| T.Y.B.Com. [Sem. V] | 367 | 05 | 41 | 66 | 69 | 46 | 14 | 126 |
| T.Y.B.Com. [Sem. VI] | 335 | - | 47 | 84 | 67 | 39 | 10 | 88 |

| | | | | | | | | |
|------------------|----|----|----|----|----|----|----|----|
| T.Y.BMS [Sem.V] | 98 | - | 11 | 27 | 27 | 05 | - | 28 |
| T.Y.BMS [Sem.VI] | 97 | - | 05 | 13 | 28 | 06 | 04 | 41 |
| T.Y.BBI [Sem.V] | 69 | 03 | 19 | 19 | 06 | 01 | - | 21 |
| T.Y.BBI [Sem.VI] | 69 | - | 20 | 23 | 06 | 02 | 05 | 13 |
| T.Y.BA [Sem.V] | 36 | 02 | 07 | 12 | 07 | 01 | - | 07 |
| T.Y.BAF [Sem.VI] | 36 | 01 | 05 | 04 | 05 | 02 | 04 | 15 |

Faculty: Art: UG

| Title of the Programme | Total no. of students appeared | Grade | | | | | | |
|-----------------------------|--------------------------------|-------|----|----|----|----|----|----|
| | | O | A | B | C | D | E | F |
| T.Y.B.A. Economics [Sem.V] | 14 | 01 | 01 | - | 01 | 04 | 01 | 06 |
| T.Y.B.A. Economics [Sem.VI] | 15 | 01 | 01 | 05 | - | - | 03 | 05 |

Faculty: Art: UG

| Title of the Programme | Total no. of students appeared | Grade | | | | | | |
|---------------------------|--------------------------------|-------|---|----|----|----|---|----|
| | | O | A | B | C | D | E | F |
| T.Y.B.A.English [Sem.V] | 15 | - | - | 01 | 03 | 03 | - | 08 |
| T.Y.B.A. English [Sem.VI] | 15 | - | - | - | 04 | 04 | - | 07 |

- 2.12** How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:
 Separate committee called Internal Academic Monitoring Committee [IAMC] is established which monitors / evaluates the Teaching & Learning process.

2.13 Initiatives undertaken towards faculty development

| Faculty/Staff Development Programmes | Numbers of faculty benefitted |
|--|-------------------------------|
| Refresher courses | 01 |
| UGC-Faculty Improvement Programme | - |
| HRD programmes | 09 |
| Orientation programmes | 01 |
| Faculty exchange programme | - |
| Staff training conducted by the University | 28 |
| Staff training conducted by other institutions | 22 |
| Summer/Winter schools, Workshops, etc. | 20 |
| Others | 52 |

2.14 Details of Administrative and Technical staff:

| Category | Number of Permanent Employees | Number of Vacant Positions | Number of permanent positions filled during the Year | Number of positions filled temporarily |
|----------------------|-------------------------------|----------------------------|--|--|
| Administrative Staff | 13 | 03 | - | 12 |
| Technical Staff | 49 | - | - | 23 |

Criterion – III

Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- Felicitation of teachers who publish book, research papers in reputed journals and win awards in conferences and workshops
- Cash incentives for writing books, publishing research papers in reputed journals specially for temporary faculty members
- Funding up to Rs. 30,000/-for MRP by temporary faculty members
- Research promotion scheme to fund projects by students
- Promotion of undergraduate research activities and participation of students in research conventions organized by university and other institutes.
- Organization of Conference/Seminar/Workshop/Training programme/Research Scholars' Meet
- Introduction of new practical experiments that are not part of syllabus

3.2 Details regarding major projects

| | Completed | Ongoing | Sanctioned | Submitted |
|---------------------|-----------|---------|------------|-----------|
| Number | - | - | - | - |
| Outlay in Rs. Lakhs | - | - | - | - |

3.3 Details regarding minor projects

| | Completed | Ongoing | Sanctioned | Submitted |
|---------------------|-----------|------------|------------|-----------|
| Completed | Ongoing | Sanctioned | Submitted | Completed |
| Outlay in Rs. Lakhs | 6.10 | 1.18 | 1.80 | - |

3.4 Details on research publications

| | International | National | Others |
|--|---------------|----------|--------|
|--|---------------|----------|--------|

| | | | |
|--------------------------|----|----|---|
| Peer Review Journals | 35 | 06 | - |
| Non-Peer Review Journals | - | - | - |
| e-Journals | 01 | - | - |
| Conference proceedings | 05 | 16 | - |

3.5 Details on Impact factor of publications

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other Organizations

| Nature of the Project | Duration Year | Name of the funding Agency | Total grant Sanctioned (Lakh) | Received (Lakh) |
|--|---------------|----------------------------|-------------------------------|-----------------|
| Major projects | - | - | - | - |
| Minor Projects sponsored by the University | 01 | MU | 1.18 | 0.944 |
| Interdisciplinary Projects | - | - | - | - |
| Industry sponsored | - | - | - | - |
| Projects sponsored by the College | 01 | K.B.P.College | 1.80 | 1.26 |
| Students research projects (<i>other than compulsory by the University</i>) | 01 | DBT | 2.00 | 2.00 |
| Any other(Specify): | - | - | - | - |
| Total | - | - | 4.98 | 4.204 |

3.7 No. of books published i) With ISBN No Chapters in Edited

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from: **Not Applicable**

UGC-SAP CAS DST-FIST

DPE DBT Scheme/funds

3.9 DBT Scheme/funds

Autonomy CPE DBT Star Scheme

INSPIRE CE DST-FIST

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

| Level | International | National | State | University | College |
|---------------------|---------------|-------------|-------------|------------|---------|
| Number | 01 | 07 | 01 | - | - |
| Sponsoring agencies | Self-funded | Self-funded | Self-funded | - | - |

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of faculty from the Institution who are Ph.D. guides

and students registered under them

3.15 Total budget for research for current year in lakhs:

From Funding agency From Management of University/College

Total

3.16 No. of patents received this year

| Type of Patent | | Number |
|----------------|---------|--------|
| National | Applied | 01 |
| | Granted | - |
| International | Applied | - |
| | Granted | 02 |
| Commercialized | Applied | - |
| | Granted | - |

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

| Total | International | National | State | University | District | College |
|-------|---------------|----------|-------|------------|----------|---------|
| 15 | 01 | 03 | - | 04 | 01 | 06 |

3.19 Total No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SR Project Fellows Any other

3.21 No. of students Participated in NSS events:

| | | | |
|------------------|----------------------------------|---------------------|---------------------------------|
| University level | <input type="text" value="13"/> | State level | <input type="text" value="--"/> |
| National level | <input type="text" value="---"/> | International level | <input type="text" value="--"/> |

3.22 No. of students participated in NCC events:

| | | | |
|------------------|---------------------------------|---------------------|---------------------------------|
| University level | <input type="text" value="11"/> | State level | <input type="text" value="--"/> |
| National level | <input type="text" value="03"/> | International level | <input type="text" value="--"/> |

3.23 No. of Awards won in NSS:

| | | | |
|------------------|--------------------------------|---------------------|--------------------------------|
| University level | <input type="text" value="-"/> | State level | <input type="text" value="-"/> |
| National level | <input type="text" value="-"/> | International level | <input type="text" value="-"/> |

3.24 No. of Awards won in NCC:

| | | | |
|------------------|---------------------------------|---------------------|--------------------------------|
| University level | <input type="text" value="02"/> | State level | <input type="text" value="-"/> |
| National level | <input type="text" value="-"/> | International level | <input type="text" value="-"/> |

3.25 No. of Extension activities organized

| | | | |
|------------------|---------------------------------|---------------|---------------------------------|
| University forum | <input type="text" value="01"/> | College forum | <input type="text" value="03"/> |
| NCC | <input type="text" value="10"/> | NSS | <input type="text" value="20"/> |
| | | Any Other | <input type="text" value="05"/> |

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

1. Financial Support to various Noble Activities of Rayat Shikshan Santha:
 - **Rayat Krutadnyata Nidhi** for supporting “Ashram Schools” run by Rayat Shikshan Sanstha
 - **Durbal Shakha Nidhi** for up-gradation of weaker schools in rural areas of Maharashtra
 - **Karmaveer Nidhi** collected as voluntary donations equivalent to pay of one day of every member for helping the needy colleges run by Sanstha
 - **Lek Ladki Abhiyan:** Funds are collected to support education of needy girl students
 - Collection of relief fund for draught affected people of Maharashtra
2. Other activities:
 - Free accommodation and food arrangement for needy girl students in the college hostel.
 - Sari collection & their distribution to tribal women. This activity was conducted in collaboration with a NGO ‘Gunj’.
 - Organ donation survey and awareness campaign.
 - Guest lecture on “Drug Addiction & It’s Hazards”
 - Distribution of fruits to patients in Navi Mumbai Municipal Corporation Hospital on the occasion of Karmaveer Jayanti in September 2015.
 - Blood Donation camp on 23 September 2015. 65 bottles of blood were donated to NMMC hospital.
 - Cleanliness Drive in nearby bus stand under “Swatch Bharat Abhiyaan”.
 - Volunteering in Pulse Polio Week.
 - Help rendered to Police Force during festivals like ‘Ganesh Utsav’.
 - Rallies on various subjects to create awareness. E.g. eye donation, AIDS awareness, road safety, anti-drug.

Criterion – IV

Infrastructure and Learning Resources

4.1. Details of increase in infrastructure facilities:

| Facilities | Existing | Newly created | Source of Fund | Total |
|--|-------------------|---------------|----------------|-------------------|
| Campus area | 20,000 Sq. Mt. | - | - | 20,000 Sq. Mt. |
| Class rooms | 44 | 01 | College | 45 |
| Laboratories | 22 | 12 | College | 34 |
| Seminar Halls | 02 | - | - | 02 |
| No. of important equipment purchased (\geq 1-0 lakh) during the current year. | - | 02 | DST | 02 |
| Value of the equipment purchased during the year (Rs. in Lakhs) | - | 33.30 | DST | - |
| Others | - | - | - | - |

4.2. Computerization of administration and library

| |
|--|
| <p>1. Office & Administrative work: For day to day office & administrative work</p> <ul style="list-style-type: none">• The senior college admission process is computerized (Preparation of fee receipt, Roll Call, General Register etc.)• College Examination Work is computerized. (Preparation of result, Marks Statement, Ledger, Result Analysis)• College accounts are maintained by using Tally ERP 9 Accounting software• The University Examination work is done online (Online Registration, Submission of Examination forms, internal marks, Transfer Certificates etc.)• First Year Admission is through online registration with University.• Correspondence with Joint Director Office is online (Salary Budget, Salary Bill Record of Teaching & Non Teaching staff.)• All the information about the Staff working in the college is fully |
|--|

computerized by **Rayat Shikshan Sansha**. It has established HRMS System to keep & update the information about the Human Resource working in the different colleges of Rayat Shikshan Sanstha.

- College web site is used for providing the information to the students about the different courses conducted by the college, seminars, workshops, Scholarships, Examination Time table, Result etc.

2. Library

- Web link of library is integrated with the college website. The entire e-content of the library can be accessed through it even remotely.
- The library uses MKCL's **Libreria: Library Management System** software developed by MKCL, Pune for library automation.
- OPAC is provided for searching of books and journals.
- The library has 10 terminals for daily routine work and 10 terminals for internet access.
- Researchers of library and information science take the benefit of EBSCO database.

4.3. Library services:

| | Existing | | Newly added | | Total | |
|------------------|----------|---------|-------------|--------|-------|---------|
| | No. | Value | No. | Value | No. | Value |
| Text Books | 33429 | 4064769 | 4732 | 511597 | 38161 | 4576366 |
| Reference Books | 15389 | 5541189 | 360 | 401718 | 15749 | 5942907 |
| e-Books | 80409 | 2500 | - | - | 80409 | 2500 |
| Journals | 124 | 58700 | - | - | 124 | 58700 |
| e-Journals | 3828 | 2500 | - | - | 3828 | 2500 |
| Digital Database | 05 | - | - | - | 05 | - |
| CD & Video | 1019 | - | - | - | 1019 | - |
| Others (specify) | - | - | - | - | - | - |

4.4. Technology up gradation (overall)

| | Total Computers | Computer Labs | Internet | Browsing Centres | Computer Centres | Office | Departments |
|----------|-----------------|---------------|----------|------------------|------------------|--------|-------------|
| Existing | 320 | 08 | 2mbps | 08 | 08 | 18 | 35 |
| Added | 86 | 03 | 20mbps | 02 | 02 | - | 05 |
| Total | 406 | 11 | 20mbps | 10 | 01 | 18 | 40 |

4.5. Computer, Internet access, training to teachers and students and any other programme for technology Up-gradation (Networking, e-Governance etc.)

- Various seminars and workshops arranged for the students by Information Technology and Computer Science departments.
- Department of Information Technology arranged various seminars in the collaboration with **Seed InfoTech Vashi** for S.Y and T.Y. B.Sc. Students.
- They also organized **One day excursion at Reliance DAKC** Koperkhairane for F.Y. I.T. students.
- **IIT Roorkee** and Department of Information Technology jointly organized two days **Python programming for GUI development workshop** on 25th and 26th Feb 2016 and five students were selected for final competition.
- Department of Information Technology arranged short term course on **Certification in ASP .NET With C# ,C++** and DBMS in the collaboration with **ATS InfoTech Pvt. Ltd. Training partner Microsoft IT Academy.**
- Department of Information Technology arranged short Term course on **Certification in Network Security and Ethical Hacking** in the collaboration with **ATS InfoTech Pvt. Ltd. Training partner Microsoft IT Academy.**
- By Network Bulls on CYBER Security Championship
- By Pristine Info Solutions On Ethical Hacking
- By ATS Learning solution on Cloud Computing
- By Seed InfoTech, Vashi on Development and testing Technology.

4.6. Amount spent on maintenance in lakhs

| | |
|--|--------|
| i) ICT | 35.80 |
| ii) Campus Infrastructure and facilities | 92.25 |
| iii) Equipment | 50.81 |
| iv) Others | - |
| Total | 178.86 |

Criterion – V

Student Support and Progression

5.1. Contribution of IQAC in enhancing awareness about Student Support Services

IQAC has constituted various Committees [Student Welfare and Council, Grievance Redressal Cell, Women Development and Gender Issue Cell, Sexual Harassment Redressal Cell, Anti-ragging Cell, Special Cell, Counselling Cell, Health Centre, Gymkhana, NSS, NCC, Art Circle, Library, Placement Cell, Career Guidance cell, Competitive Exam Guidance Cell, Skill Development, and Environment Consciousness cell.] to provide support services to students as well as to provide platform to develop various qualities in them. They are notified about various activities of committees through:

- Prospectus
- Orientation and Counseling Sessions
- Notices circulated in classrooms
- Notices displayed on the notice boards on college website
- Student volunteers
- Students and parent teacher meetings
- Posted on Google groups [some activities]

5.2. Efforts made by the institution for tracking the progression

- Monitoring of performance of the students in the class tests, internal examinations, seminars and assignments.
- Monitoring of students performance in the class in terms of their participation in the class.
- By having a dialogue on one-to-one basis with the student.
- Parent teacher scheme is run in the departments specially for Third year students to regularly monitoring students' progression.
- Findings of the monitoring are conveyed verbally to the parents of the students during the parent teacher meetings.

5.3. (a) Total Number of students

| | | | |
|------|-----|--------|--------|
| UG | PG | Ph. D. | Others |
| 3579 | 414 | 17 | 30 |

(b) No. of students outside the state

52

c) No. of international students

| | | | | | |
|-----|------|-------|-------|------|-------|
| Men | No | % | Women | No | % |
| | 1817 | 44.98 | | 2223 | 55.02 |

| Last Year 2014-2015 | | | | | | This Year 2015- 2016 | | | | | |
|---------------------|-----|----|-----|-----------------------|-------|----------------------|-----|----|-----|-----------------------|-------|
| General | SC | ST | OBC | Physically Challenged | Total | General | SC | ST | OBC | Physically Challenged | Total |
| 2420 | 617 | 21 | 809 | 02 | 3869 | 2542 | 629 | 20 | 848 | 01 | 4040 |

Demand ratio 1:3 Dropout % Nil

5.4. Details of student support mechanism for coaching for competitive examinations

(If any)

Competitive Examination Guidance Cell is functioning to help the students, prepare for exams like MPSC, UPSC, IBPS and UGC NET-SLET. Coaching classes are conducted by visiting experts from other institutes and in-house faculty members to provide guidance to the aspirants. Departments also provide guidance, books and other resources to students who wish to appear for different competitive exams. 98 students have taken advantage of this competitive examination center in this year.

No of students beneficiaries

98

5.5. NET SET/SLET Commerce GATE CAT

IAS/IPS etc. State PSC UPSC Others

5.6. Details of student counselling and career guidance

Faculty members regularly provide guidance on academic development and act as facilitators of learning. They are always available to solve doubts and queries.

The college has a Counseling Cell with counselor for psycho- social kind of counseling. Counseling offered to students with issues like inferiority complex, lack of motivation, inattentiveness, etc.

Career Counselling and Placement Cell is established to provide information about career prospects to the students. Experts with different job profiles are invited to guide students about current status and job opportunities in different areas. “Campus to Corporate Program” has been conducted. Alumni play a very important role in directing students about career options.

No. of students benefitted 1800

5.7. Details of campus placement

| <i>On campus</i> | | | <i>Off Campus</i> |
|---------------------------------|---------------------------------|---------------------------|---------------------------|
| Number of Organizations Visited | Number of Students Participated | Number of Students Placed | Number of Students Placed |
| 26 | 345 | 28 | 357 |

5.8. Details of gender sensitization programmes

Gender Issue Cell and Women Development Cell are involved in gender sensitization activities that convey the message of gender equality. These cells organized various activities like Orientation Program for girls students, Female Health Awareness Program. Legal Literacy, Gender Equality, Women’s Day celebration, *Lek Ladki Abhiyan* ,and workshop on Self Defence for women.

Sexual Harassment Redressal Cell is also established in the college.

5.9. Students Activities

5.9.1. No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

No. of students National level

5.9.2. No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level National level International level

Cultural: State/ University level National level International level

5.10. Scholarships and Financial Support

| | Number of students | Amount |
|--|--------------------|---------|
| Financial support from institution | 39 | 138000 |
| Financial support from government | 212 | 1659000 |
| Financial support from other sources | 193 | 1459700 |
| Number of students who received International/ National recognitions | ---- | ----- |

5.11. Student organized / initiatives

Fairs: State/ University level National level International level

Exhibition: State/ University level National level International level

5.12. No. of social initiatives undertaken by the students

5.13. Major grievances of students (if any) redressed: No major grievances were reported

Criterion – VI

Governance, Leadership and Management

6.1. State the Vision and Mission of the institution

- **Vision:**
To work for “Better Tomorrow” through educational advancement of society while keeping social justice and social obligations in mind.
- **Mission:**
“We strive to cultivate minds and build characters of the young generations by imbining in them scientific temperament, organizational abilities and human values.”

6.2. Does the Institution has a management Information System

- Yes, The Institution has Management information system that works for following:
1. Admissions
 2. Accounts
 3. Library
 4. Examinations [including online exams]
 5. Attendance
 6. Public messaging etc.
 7. Feedback and its analysis

6.3. Quality improvement strategies adopted by the institution for each of the following:

6.3.1. **Curriculum Development**

- Curriculum development is done by the university and some of our faculty members are working in different capacities in syllabus design committees.
1. Syllabi of F.Y classes of B.A/B.B.Com/B.Sc and T.Y.B.Sc. are revised by University of Mumbai and they are to be implemented from 2016-17.
 2. Syllabi of Enrichment and skill development courses is designed by college faculty members and are submitted for approval to University of Mumbai.

6.3.2. Teaching and Learning

- Encouragement to students [both UG and PG] for undertaking research projects and participation in scientific forums.
- Encouragement to students for enrolling in on-line courses of short durations from websites like: www.coursera.org and www.edx.org
- Use of ICT:
Use of Power point presentations, animations and videos while teaching.
Use of Google App for Education
Formation of WhatsApp groups [class-wise] for combined and interactive learning.
Use of E-books, YouTube, TedTalks etc.
- Preparation of models for better learning.
- Organization of advance learning and remedial coaching classes.
- Counselling to students about time management, building concentration, stress management.
- Organization of conferences, workshops and seminars
- Organization of study tours and industrial visits.
- Departmental libraries apart from central library for availability of specialized books.

6.3.3. Examination and Evaluation

- Use of advance software for preparation of examination result.
- A spacious hall for Central Assessment Programme (CAP) is made available.
- Functioning of unfair means committee is made more effective and cases of unfair means are settled immediately as per university ordinances.
- Rules of exams and examination schedules are informed to examinees well in advance.
- Assessment and declaration of results are done in time
- Online tests are conducted for all enrichment and skill development courses.
- Internal tests for PG classes are conducted online.
- Open book test is conducted for all final year students

- Reevaluation/moderation by external examiners.

6.3.4. Research and Development

- Functioning of Research Promotion and Ethics committee looks into the matters related research activities in the college.
- Research Promotion scheme to fund research activities of management appointed faculty members and students is continued. Grant up to Rs. 30,000/- is given to teachers.
- Encouragement to students for participation of students in research conventions like “Avishkar”, poster competitions organized by other college, STAR COLLEGE activities and CUBE activities.
- A collaborative research program in biology for undergraduate students in collaboration with Homi Bhabha Center for Science Education, TIFR was conducted in departments of biotechnology and microbiology.
- A certificate course on “Ethics in Scientific Research” was organized on 20th November 2015 for faculty members and students from colleges in Mumbai.
- Research Scholar Meet was organized in April 2016 in which teachers and students presented their research work
- Teachers who publish papers in journals with high impact factor or write books are felicitated.

6.3.5. Library, ICT and physical infrastructure / instrumentation

Library –

- Library link is integrated with the institutional website to access vast number of books and journals.
- College library is fully computerized and Bar-coded for speedy and effective transactions of books. The library uses MKCL’s **Libreria: Library Management System** software developed by MKCL, Pune for library automation.
- OPAC is provided for searching of books and journals.
- Facility of open access of books to all the students is provided. Three separate sections of science, humanities and commerce with individual sitting arrangement are made for the convenience of students.

ICT-

- Formation of WhatsApp groups [class-wise] for combined and interactive learning.
- Use of E-books, YouTube, Ted Talks etc. for education
- Students are encouraged to take up online short term courses from websites like www.edx.org and www.coursera.org.
- Use of animations, apps and films for learning.

Physical infrastructure and instrumentation

- Commerce laboratory with 20 computers and other facilities is functional.
- One floor of library building is converted to 'Open Access Library'.
- Sports facilities are refurbished with modern set-up for games like cricket, volleyball, tennis, 36abaddi etc.
- Separate gymnasias for boys and girls are revamped.
- New staffrooms created for BMS, BBI and BAF departments.
- Up-gradation of computers– hardware as well as software with changing needs of teaching and learning.
- E learning laboratory is developed with 1+20 computers.
- All departments, library and administrative offices are provided with sufficient number of computers with internet, printers etc.
- Advance instruments like Automated Microbial Identification System, UV-Vis Spectrophotometer, Ultrasonicator, -40° C Deep Freezer, Plant Growth Chamber, Cooling Centrifuge are purchased and installed.

6.3.6. Human Resource Management

- Teaching faculty members and non-teaching staff are given clear instructions about their roles and responsibilities.
- Apart from the regular academic duties, each member is given additional responsibilities of working in different committees of the college. These committees have duties to conduct various activities that help in development of

institution at large and of students in particular.

- Training workshops are organized to update and upgrade the skills of faculty members.
- State level seminar was organized for non-teaching staff to guide them on issues related to administrative and library functioning, stress management and work culture.
- Teachers are encouraged to present their work in different forums and participate in seminars and workshops organized by other institutes and university.

6.3.7 Faculty and Staff recruitment

Faculty members and non-teaching staff for aided courses as well as self-financed courses are appointed by the parent institution as per the rules and regulations of UGC and Government of Maharashtra

6.3.8. Industry Interaction / Collaboration

- Interaction with industry is spanning in various aspects, like- for placement, for training, for expert lectures and for industrial visits.
- Experts from around 50 different industries and institutes delivered talks on variety of topics.
- MoUs are signed with institutes for academic support, placement, ISR activities and research.

6.3.9. Admission of Students

- All Admissions in the college are done by merit and by the rules laid down by University. The admission procedure was made smooth by displaying proper written instructions on the flex boards. Members of the admission committee ensure smooth conduct of the process.
- Admission process is made online for the convenience of the students.

6.4. Welfare schemes for

Teaching & Non-Teaching:

- Health Centre Facility with attending doctor is available during working hours, for medical emergency.
- Health check –up camp in collaboration with Thyrocare India Ltd. and other agencies.
- Loan facilities available through “The Rayat Sevak Co-operative Bank Ltd.”
- Compassionate Appointments in case of death of the employee.

Students:

- Financial help to needy girl students through “Lek Ladki Project”.
- Financial help to needy students through “Poor Students Fund”.
- Health Centre Facility with attending doctor is available during working hours, for medical emergency.
- Basic facilities available for differently able students like wheel chair, text readers, large key boards, Special software to read for visually impaired.

Criterion – VII

Innovations and Best Practices

7.1. Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details

- Online Feedback system: Feedback of students and parents about the college and teachers [by students] is taken online. The analysis is done with the help of software to find the satisfaction index of students regarding different aspects of institutional functioning.
- Open Access Library: One floor of library is converted to open access library [faculty wise] and study rooms.
- Integration of library link with institutional website. With this faculty members and students can access the e-content of library even remotely.
- Value Based Education Programme: This year the programme was given to 1000 final year and PG students.
- Heartfulness Guided Relaxation Technique is introduced for teachers, staff and students.
- Installation of Sanitary Napkin Vending Machine and Incinerators for the convenience of girl students.
- Online tests and Open book tests are conducted.
- Many new skills development and enrichment programmes are started.
- Knowledge Sharing Forum is started for teachers to share, learn and grow.

7.2. Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year.

Please see Annexure II

7.3. Give two Best Practices of the institution

- Value Based Education
- Earn and Learn Scheme

Please see Annexure III

7.4. Contribution to environmental awareness / protection

- Plantation is done in the campus and care is taken by the teachers and students.
- Rallies and talks are organized for spreading awareness about environmental issues and protection.
- Use of Renewable Energy: Solar panels are installed in Women's hostel for heating water.
- Rain water harvesting: 60'X30'X20' tank is used for collecting the rain water which is used for the maintenance of garden and ground.
- E-Waste Management: With the help of "Sampurnaeearth" the e-waste is recycled.
- Zero Garbage Campus: With the help of "Stree Mukti Sanghatana", the waste is segregated at source and biodegradable waste is composted with the help of microorganisms. Dry waste is recycled by the Sanghatana.
- Sanitary pads incinerators are installed in every building in the campus.

7.5. Whether environmental audit was conducted?

Yes. The environmental audit is conducted with the help of external professional and compliance is done as per the report

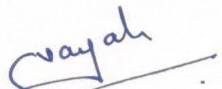
7.6. Any other relevant information the institution wishes to add. (for example SWOT Analysis)

| STRENGTHS | WEAKNESSES |
|---|--|
| <ul style="list-style-type: none">• Branded as leading college in Navi Mumbai that provides quality education in arts, commerce and science.• Beautiful campus with modern infrastructure.• Student centric, conducive learning | <ul style="list-style-type: none">• Most students come from vernacular medium, hence they have poor English communication skills.• Constraints of university-prescribed curriculum. |

| | |
|---|---|
| <p>environment.</p> <ul style="list-style-type: none"> • Qualified, experienced & hard working faculty members • Well equipped laboratories. • Computerized, open access library with its e-content available on institute website. • Excellent computational facilities with high speed internet. • Strong support from alumni. • Enhanced research culture. • Strong ISR, extension activities. • Availability of women's hostel. • Environment Consciousness Efforts • ‘Value Based Education’ as integral part of education. | |
| <p style="text-align: center;">OPPORTUNITIES</p> <ul style="list-style-type: none"> • Achieving autonomous status. • Applying for more funds for research. • Starting research center for arts faculty. • Enhancing consultancy with industries and institutes. • Collaboration with foreign universities for faculty and students exchange programmes • Start interdisciplinary courses | <p style="text-align: center;">CHALLENGES</p> <ul style="list-style-type: none"> • Limited financial support from the government. • Least preference given by academically brilliant students to the conventional courses. |

8. Plans of institution for next year

- Offer “Value Based Education Programme” to all the senior college students.
- Start new courses: M.Sc. Physics [Material Science], B.A. [Geology], M.A. [Business Economics], Foundation courses in Physical Education, NSS and Extension activities.
- Develop Center for Research, Consultancy and Technical Services.
- Increase collaborations with industries that will be beneficial in research, consultancy and placements.
- Install solar panels to take care of power requirements of the college either completely or partially.


Name: Dr. Shubhada Nayak

Signature of the Coordinator, IQAC


Name: Dr. V.S. Shivankar

Signature of the Chairperson, IQAC



Annexure I

ACADEMIC CALENDER 2015-16

| Month | Day & Date | Planned Activity |
|---------------|---|---|
| June | Monday 08 th | Academic Year Begins |
| June And July | 1 st Week June to 2 nd Week July | Admissions |
| | Saturday 18 th | Ramzan Id (Id-UI-Fitar) |
| | 3 rd Week | ISO Audit |
| August | 2 nd Week | Orientation for fresh students |
| | Saturday 15 th | Independence Day Celebration |
| | Tuesday 18 th | Parsi New Year |
| | 4 th Week | Internal Examinations |
| September | Thursday 17 th to Sunday 20 th | Ganesha Chaturthi |
| | Thursday 24 th | Bakari Id (Id-UI-Zua) |
| | Sunday 20 th to Saturday 26 th | KARMAVEER JAYANTI [Joy of Giving Week] |
| October | 2 nd Week | (First Half) Semester examination starts |
| | Thursday 22 nd | Dasara |
| | Saturday 24 th | Moharum |
| | 3 rd Week | (First Half) Semester examination ends |
| | Tuesday 31 st | Term End |
| November | Monday 2 nd | Diwali Vacation Starts |
| | Monday 21 st | College Reopens |
| | Thursday 25 th | Gurunanak Jayanti |
| December | Thursday 24 th | Id-E-Milad |

| | | |
|----------|---------------------------|---|
| | Friday 25 th | Christmas Holiday |
| | Saturday 26 th | Winter Break Starts |
| January | Friday 1 st | Winter Break Ends |
| | Saturday 2 nd | College Reopens |
| | Tuesday 5 th | Savitribai Phule Jayanti Celebrations |
| | 3 rd Week | Cultural Fest and Gymkhana events/ activities |
| | 4 th Week | Convocation |
| | Saturday 26 th | Republic Day Celebration |
| | 4 th Week | Internal Examinations |
| February | Friday 19 th | Shivaji Maharaj Jayanti |
| March | Monday 7 th | Mahashivratri |
| | Thursday 24 th | Holi |
| | 3 rd Week | (Second Half) Semester exams starts |
| April | Friday 8 th | Gudi Padawa |
| | 2 nd Week | (Second Half) Semester examination ends |
| | Thursday 14 th | Dr. Babasaheb Ambedkar Jayanti |
| | Friday 15 th | Good Friday |
| | Saturday 30 th | Academic Year Ends |
| May | Sunday 1 st | Maharashtra Day & Labour Day Celebration |
| | Monday 2 nd | Summer Vacation Begins |

Annexure II

Action Taken Report by IQAC and Achievements 2015-16

| Plan of Action | Achievements |
|--|--|
| Continuation of ISO 9001:2008 audit and certification | <ul style="list-style-type: none">• ISO 9001:2008 audit was carried out on 24th July 2015 and continuation certificate was awarded.• A workshop was organized on ISO 9001:2015 for IQAC and HODs. |
| Regular monitoring of academic activities of the departments | <ul style="list-style-type: none">• Internal Academic Monitoring Committee regularly checked various aspects of teaching, learning and other aspects of departmental functioning. |
| Regular audit of various committees | <ul style="list-style-type: none">• IQAC gives scope of work for every committee and the committees are asked to prepare an annual plan of work.• IQAC checked working of all the committees once every semester. |
| Promote Research activities of faculty members and students | <ul style="list-style-type: none">• Research Promotion scheme to fund research activities of management appointed faculty members was continued.• Undergraduate research was promoted through activities under STAR College Scheme, participation in 'Avishkar'.• 'Research Scholar Meet' was conducted to provide a platform to researchers in the college.• Certificate course on "Ethics in Scientific Research" was conducted on 20th November 2015 for faculty members and students from Mumbai colleges.• Felicitation of teachers who published papers in reputed journals and published books. |
| Improved facilities and | <ul style="list-style-type: none">• Commerce laboratory, Open access library, |

| | |
|---|--|
| infrastructure | <p>Renovation of gymnasium for boys, New girls reading room, New examination center, New staffrooms for BMS,BBI and BAF teachers, up-gradation of sports facilities,</p> <ul style="list-style-type: none"> • Purchase of many advance instruments through DST-FIST grant. • Laboratory facilities of microbiology, chemistry and physics departments were enhanced with the help of DBT STAR College Scheme funds. |
| Efforts for skill development amongst students | <ul style="list-style-type: none"> • Many new skill development and enrichment courses were started. • NUSSD programme was conducted in collaboration with TISS. • ‘Campus to Corporate’ programme was conducted to make the students job ready. |
| Efforts for increased Environment consciousness | <ul style="list-style-type: none"> • Tree plantations • Green audit of the college • Replacement of all tube lights with LED lights • Proper recycling of e-waste with the help of ‘Sampurnaeath’. • Recycling of paper waste with the help of ‘Stree Mukti Sanghatana’ and use of recycled paper for making letterheads. • Two days of every month are observed as “No vehicle day” |
| Up-gradation of computer facilities | <p>Many new computers with higher configuration are purchased.</p> |
| Efforts for capacity building in faculty and non-teaching staff | <ul style="list-style-type: none"> • Organization of conferences, seminars and workshops • Organization of training sessions on advance instruments. |

| | |
|-----------------------|--|
| | <ul style="list-style-type: none"> • Organization of ‘State-level workshop for non-teaching staff’. • Starting of ‘Knowledge Sharing Forum’ for teachers to learn, share and grow. |
| Value Based Education | A based education initiative title “ Self Development Programme in the context of Spirituality- A practical approach” was conducted for all the final year students and PG students. |

Annexure III

Best Practice I

Title of the Practice: Value Based Education

1. Goal: The objectives of starting the Value Based Education Programme are as listed below:

- Development of proper attitudes, ethics and values like love, respect, cooperation, tolerance, large heartedness etc. amongst students
- Guide students on self-development and self- management
- Empower students to take proper decisions and make appropriate choices in challenging situations
- Promote appropriate social conditioning and contribute in nation building

2. The Context: Value education is rooted in Indian philosophy and culture and ingrained in every tradition of Indian culture. In the current scenario of declining value system, educational institutes can play important role in re-instilling the common values amongst students to orient the progress and endorse the moral awareness for welfare of mankind. Therefore, the need for a consciously planned value education programme is obvious to establish formal learning.

Furthermore, one of the five core values of NAAC is ‘inculcating value systems among students’.

3. The Practice: With the above mentioned objectives a value based education programme was envisaged and the title of the programme was decided as-

“Self Development Programme in the Context of Spirituality – A Practical Approach”

The programme comprises of ten modules that are listed below-

- Values
- Ethics
- Excellence
- Choices We Make
- Stress Management
- Self Management
- Time Management

- Need for Meditation
- Art of Meditation
- Natural Path

A two step approach was followed for conducting this programme.

- **Faculty Development Programme:** Forty faculty members from senior college voluntarily stepped forward to undergo a ten module training programme. The training sessions were conducted by invited speakers who are renowned and highly talented in their own field of expertise.
- **Students Development Programme:** The **40** trained teachers worked on the above modules and initially took the programme to around **1000** students of third year and post graduate classes. Each module is of 1.5hour duration and it begins with heartfulness relaxation technique and ends with meditation. The modules are taught with lots of visuals, animations and activities.

4. Evidence of Success:

- Students liked these sessions and have given positive feedback about the entire programme. They understood the importance of discussion on topics that were covered in the programme. Many of the students have learnt meditation and they are practicing it. These students reported lack or reduction in anxiety and stress levels. Many conveyed that their tolerance/patience has increased.
- Parents reported change in attitude of the students.
- External examiners specifically noted calm and composed approach of students during practical exams.
- Definite improvement in overall behavior of students is observed.
- Teachers who conducted the programme reported substantial self development in themselves too.

Best Practice II

Title of the Practice: Earn and Learn Scheme

1. **Goal:** The objectives of running this scheme in college are as below-
 - To provide some means of earning money to students who are from monetarily underprivileged section of the society.
 - To instill in students, the value of dignity of labor.
2. **The Context:** Large number of the students studying in this institute are from financially needy background. Many of the students have to work part-time to support their education. But most jobs require the time commitment of 6 to 8 hours per day and they are very demanding.

The “Earn and Learn” scheme is a trade mark practice of our parent institute- *Rayat Shikshan Sanstha* and was initiated by our founder, Padmabhushan Karmaveer Bhaurao Patil in 1919.
3. **The Practice:** This scheme is in tune with the mission statement of college and with the mandate of our parent institute.

The college has a committee called “Earn and Learn Committee” that looks after the entire working of this scheme. Needy students enroll for the scheme at the beginning of the year. The students are then categorized based on their skill sets and liking. The allocation of the workplace is done by the committee and disbursement of remuneration is done by the college. The popular positions under these scheme are library floor attendants, support staff for electronic attendance system, clerical office staff, compost pit management, attendance and administration work in the the women’s hostel etc. Some students specially from science stream also assist in research work.
4. **Evidence of Success:**
 - i. This initiative has proven to be a life changing support for many deserving students for whom education was impossible without this scheme.
 - ii. Students have learnt the dignity of labor. They take pride in working for college rather than as compulsion forced on them.
 - iii. It has inculcated the values like humility, tolerance and dedication.
 - iv. We see personality development in these students with improved skills of communication, confidence etc.

