



Khandesh College Education Society's
Moolji Jaitha College, Jalgaon

NAAC Reaccredited "A" Grade (CGPA 3.63)

UGC Honoured "College of Excellence"

ISO 9001:2008 Certified

Department of Biotechnology, Ministry of Science, Technology Honoured "Star College"

Website : www.mjcollege.kces.in, e-mail : mjcollege@kces.in

Phone : 0257-2234281, Fax : 0257-2237363



ANNUAL QUALITY ASSURANCE REPORT

2013-14

INTERNAL QUALITY ASSURANCE CELL (I.Q.A.C.)

The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

Part – A

1. Details of the Institution

| | | |
|---|---|--|
| 1.1 Name of the Institution | : | Khandesh College Education Society's Moolji Jaitha College, Jalgaon |
| 1.2 Address Line 1 | | Moolji Jaitha College |
| Address Line 2 | | Jilha Peth, |
| City/Town | | Jalgaon |
| State | | Maharashtra |
| Pin Code | | 425002 |
| Institution e-mail address | | mjcollege@kces.in |
| Contact Nos. | | 0257-2234281 |
| Name of the Head of the Institution | | Dr. P. R. Chaudhari |
| Tel. No. with STD Code | | 0257-2234281 |
| Mobile | | 9823644948 |
| Name of the IQAC Co-ordinator | | Dr. K. G. Khadse |
| Mobile | | 9420787362 |
| IQAC e-mail address | | iqac.mjc@gmail.com |
| 1.3 NAAC Track ID (For ex. MHCOGN 18879) | | 15443 |

1.4 NAAC Executive Committee No. & Date
(For Example EC/32/A&A/143 dated 3-5-2004
This EC no. is available in the right corner-bottom
of your institution's Accreditation Certificate)

EC/61/RAR/36 dated 15-09-2012

1.5 Website address

www.mjcollege.kces.in

Web-link of the AQAR
For ex.
<http://www.ladykeanecollege.edu.in/AQAR201213.doc>

http://www.mjcollege.kces.in/IQAC/IQAC_Reports/AQAR%20%2020132014.pdf

1.6 Accreditation Details

| Sl. No. | Cycle | Grade | CGPA | Year of Accreditation | Validity Period |
|---------|-----------------------|-------|------|-----------------------|--------------------------|
| 1 | 1 st Cycle | A | - | 2004 | 08-01-2004 to 07-01-2009 |
| 2 | 2 nd Cycle | A | 3.63 | 2012 | 15-09-2012 to 14-09-2017 |

1.7 Date of Establishment of IQAC
DD/MM/YYYY

28/09/2004

1.8 AQAR for the year (for example 2010-11)

2013-2014

1.9 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 15-06-2013
- ii. AQAR 2012-13 submitted to NAAC on 22-11-2013

1.10 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

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 UGC 2(f) UGC 12B

Grant-in-aid + Self Financing

Totally Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law

PEI (PhysEdu) TEI (Edu)

Engineering Health Science Management

Others (specify)

:

1.12 Name of the Affiliating University (for the Colleges)

:

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

Autonomy by State/Central Govt. / University

University with Potential for Excellence UGC-CPE

DST Star Scheme UGC-CE

UGC-Special Assistance Programme DST-FIST

UGC-Innovative PG programmes World Bank-MHRD-TEQIP

UGC-COP Programmes

2. IQAC Composition and Activities

| | | |
|--|---|---------------------------------|
| 2.1 No. of Teachers | : | <input type="text" value="12"/> |
| 2.2 No. of Administrative/Technical staff | : | <input type="text" value="1"/> |
| 2.3 No. of students | | <input type="text" value="1"/> |
| 2.4 No. of Management representatives | | <input type="text" value="1"/> |
| 2.5 No. of Alumni | | <input type="text" value="9"/> |
| 2.6 No. of any other stakeholder and community representatives | | <input type="text" value="1"/> |
| 2.7 No. of Employers/ Industrialists | | <input type="text" value="1"/> |
| 2.8 No. of other External Experts | | <input type="text" value="2"/> |
| 2.9 Total No. of members | | <input type="text" value="19"/> |
| 2.10 No. of IQAC meetings held | | <input type="text" value="2"/> |

2.11 No. of meetings with various stakeholders No.

Faculty 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

2.13 Seminars and Conferences (only quality related)

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

Total Nos. International National State Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

- Organization of Mock NAAC Peer team visit.
- Conduction of SWOT analysis by external experts.
- Preparation of proposal for College with Excellence and its presentation at UGC office New Delhi.
- Strengthening of the research culture through publications, research projects and organising national/ international conferences/seminars
- Introduction and implementation of 12 new add on courses

2.15 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 |
|---|--|
| 1. Strengthening of science laboratories | 1. Received the Prestigious Highest National Status "COLLEGE OF EXCELLENCE" by the University Grants Commission, New Delhi |
| 2. Upgradation of ICT infrastructure | 2. Strengthened Science laboratories by purchasing sophisticated equipments |
| 3. Organising Quality Enhancement conferences/workshops | 3. Upgraded ICT infrastructure |
| 4. Preparation for autonomy | 4. Organised the National Level Conferences RAAB and AMBI focusing the student researchers |
| 5. Organising Faculty Development Programmes | 5. Conducted Teachers Survey on opinion regarding autonomy for the college |
| 6. To undertake academic reforms | 6. Organised mock NAAC peer team visit |
| 7. ISO 9001:2008 certification continuation through standardisation and continuous quality improvement of academic and administrative processes | 7. Organised Orientation Programme of the University of Pune on the theme "Mantras of Quality Education" |
| 8. Motivation to faculty to submit major and minor research projects | 8. Organised Refresher Course of the University of Pune on the theme "Mantras of Quality Education in Commerce" |

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

2.15 Whether the AQAR was placed in statutory body Yes No

Management

Syndicate

Any other body

Provide the details of the action taken

Annual Quality Assurance Report (AQAR) 2013-14 discussed in Management meeting and approved for submission to NAAC office, Bengaluru.

Part – B

Criterion – I

1. 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 | 14 | - | - | - |
| PG | 28 | 1 | 9 | 6 |
| UG | 37 | - | 22 | 8 |
| PG Diploma | - | - | - | - |
| Advanced Diploma | 2 | - | 2 | 2 |
| Diploma | 9 | 1 | 9 | 4 |
| Certificate | 44 | 11 | 44 | 10 |
| Others | - | - | - | - |
| Total | 134 | 13 | 86 | 30 |

| | | | | |
|-------------------|----|----|----|---|
| Interdisciplinary | 5 | - | 4 | 3 |
| Innovative | 11 | 11 | 11 | 5 |

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

The College offers academic flexibility through maximum options and combinations of courses. The College is also a recognized study centre of Yashwantrao Chavan Maharashtra Open University, Nashik.

For details please refer **Annexure IV**

(ii) Pattern of programmes:

| Pattern | Number of programmes |
|-----------|----------------------|
| Semester | 65 |
| Trimester | - |
| Annual | 55 |
| Other | 14 |

1.3 **Feedback from stakeholders*** Alumni Parents Employers Students
(On all aspects)

Mode of feedback Online Manual Co-operating schools (for PEI)

**Please provide an analysis of the feedback in the Annexure. Annexure-II*

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

- For all the programmes affiliated to university, syllabus revision cycle is of three years.
- UGC model curriculum, society needs, feedback from all stakeholders, changing national and global trends are the key factors for revision.
- Project work is made compulsory in most of the programmes syllabus.
- The syllabi of the add-on courses are revised at regular intervals.

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

Name of the Centre: JalaSRi-Mushroom Training and Research Centre

Objectives:

- To train students, farmers and women self-help groups to produce low cost oyster mushroom by utilization of locally available agro waste and start home scale, tiny mushroom production units
- To create awareness about importance of mushroom in diet, its medicinal and nutritional values

Achievements:

- Trained 35 students in mushroom cultivation
- Trained 15 women's from various Self Help Groups
- Successfully produced three batches of oyster mushroom
- Prepared value added products like mushroom soup ready mix, dried mushrooms
- Sold fresh, dried and ready mix soup locally

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

| Total | Asst. Professors | Associate Professors | Professors | Others |
|-------|------------------|----------------------|------------|--------|
| 84 | 37 | 45 | - | 2 |

2.2 No. of permanent faculty with Ph.D.

| |
|----|
| 39 |
|----|

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 |
| 0 | 31 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 31 |

2.4 No. of Guest and Visiting faculty and Temporary faculty

| | | |
|---|---|----|
| 0 | 0 | 95 |
|---|---|----|

2.5 Faculty participation in conferences and symposia:

| No. of Faculty | International level | National level | State level |
|--------------------|---------------------|----------------|-------------|
| Attended Seminars/ | 6 | 45 | 5 |
| Presented papers | 24 | 63 | 5 |
| Resource Persons | - | - | - |

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

- Interactive lecture method is used to encourage students to express themselves and consolidate their understanding of the topic taught.
- The college is making all out efforts for the increased use of modern ICT based teaching tools such as interactive boards, audio-visual aids and internet in teaching-learning processes.
- The college has established a state-of-the-art facility – ‘Soham Knowledge Centre’ where documentary films based on various topics are screened for the students.
- A special scheme titled ‘Research Promotion Scheme for the Students’ for vocational research projects is in practice.
- The College offers a number of add-on courses in various subjects enabling students to acquire vocational skills.
- Some Faculty Members have made their personal Blogs through which study materials are made available to students.

2.7 Total No. of actual teaching days during this academic year

| |
|-----|
| 210 |
|-----|

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

The college has played a lead role through active participation of its faculty members in different academic bodies/authorities of the university in the process of reforms. Each year, the college constitutes a special examination committee to ensure effective implementation of all activities related to internal and external examinations and assessments.

Examination/ Evaluation Reforms initiated by the affiliating University during 2013-14 are as follows:

- Implementation of 60:40 pattern with MCQ based term end examinations in University Campus.
- Online appointment of Sr. Supervisors, Flying Squad and Examiners with SMS alert.
- Moderation of Question Papers at the time of paper setting.
- Online Pre-Ph.D. Entrance Test and Course Work Examination.
- Introduction Common Entrance Test for Professional courses such as BBA, BCA

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/ Curriculum Development workshop

| | | |
|----|---|----|
| 18 | 8 | 63 |
|----|---|----|

2.10 Average percentage of attendance of students

| |
|----|
| 79 |
|----|

2.11 Course/Programme wise distribution of pass percentage :

| Title of the Programme | Total no. of students appeared | Division | | |
|------------------------|--------------------------------|--|--|--|
| | | Percentage of students passed with 70% and above | Percentage of students passed with above 55% and below 70% | Percentage of students passed with above 40% and below 55% |
| B.Sc. | 272 | 50 | 18 | 3 |
| M.Sc. | 149 | 36 | 11 | - |
| B.A. | 204 | 52 | 22 | 18 |
| M.A. | 419 | 33 | 34 | 13 |
| B.Com. | 357 | 40 | 25 | 2 |
| M.Com | 99 | 60 | 7 | - |
| B.C.A. | 88 | 75 | - | - |
| B.B.A. | 37 | 68 | 19 | - |
| B.B.M. | 31 | 71 | - | - |
| M.B.M. | 15 | 33 | - | - |
| B.F.A. | 15 | 93 | - | - |
| M.F.A. | 19 | 100 | - | - |

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

The IQAC sets broad objectives and plans at the beginning of an academic year. These include various activities including quality enhancement in academic processes. Besides NAAC accreditation the college has been awarded ISO 9001:2008 Certified Institution. As a part of continuation of ISO 9001:2008 Certification periodic department wise academic internal audits by a specially trained auditor-teachers and annual surveillance audit by lead auditors of ISO Certification Agency Pune are conducted. At the end review meeting is conducted to evaluate the functioning in view to improve academic processes capability.

2.13 Initiatives undertaken towards faculty development

| <i>Faculty / Staff Development Programmes</i> | <i>Number of faculty benefitted</i> |
|--|-------------------------------------|
| Refresher courses | 6 |
| UGC – Faculty Improvement Programme | - |
| HRD programmes | - |
| Orientation programmes | 13 |
| Faculty exchange programme | - |
| Staff training conducted by the university | - |
| Staff training conducted by other institutions | 10 |
| Summer / Winter schools, Workshops, etc. | 8 |
| Others | - |

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 | 29 | 23 | - | 52 |
| Technical Staff | 39 | 16 | - | 6 |

Criterion – III

3. Research, Consultancy and Extension

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

- Encourages the teachers to undertake Major/Minor research projects. A special research promotion committee is formed to facilitate and coordinate such initiatives.
- Special efforts have been taken to develop ideal research infrastructure in the form of state-of-the-art laboratories, advanced equipments, modern ICT gadgets, access to electronic learning material, etc.
- Organising lectures by experts on various research areas and advanced topics
- Organising visits to research institutions

3.2 Details regarding major projects

| | Completed | Ongoing | Sanctioned | Submitted |
|---------------------|-----------|---------|------------|-----------|
| Number | - | 4 | - | 4 |
| Outlay in Rs. Lakhs | - | 35.558 | - | 89.11 |

3.3 Details regarding minor projects

| | Completed | Ongoing | Sanctioned | Submitted |
|---------------------|-----------|---------|------------|-----------|
| Number | 12 | 8 | - | 3 |
| Outlay in Rs. Lakhs | 11.3 | 8.99 | - | 4.6 |

3.4 Details on research publications

| | International | National | Others |
|--------------------------|---------------|----------|--------|
| Peer Review Journals | 60 | 12 | - |
| Non-Peer Review Journals | 28 | - | 4 |
| e-Journals | 44 | - | - |
| Conference proceedings | 06 | 16 | 1 |

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received (in Rs. Lakhs) from various funding agencies, industry and other organisations

| Nature of the Project | Duration Year | Name of the funding Agency | Total grant Sanctioned (in Rs. Lakhs) | Received (in Rs. Lakhs) |
|--|---------------|----------------------------|---------------------------------------|-------------------------|
| Major projects | 3 | UGC | 8.576 | 5.496 |
| Minor Projects | 2 | UGC | 1.975 | 1.775 |
| Interdisciplinary Projects | - | - | - | - |
| Industry sponsored | - | - | - | - |
| Projects sponsored by the University/ College | - | - | - | - |
| Students research projects (other than compulsory by the University) | 6 months | College Mgt. | 3.162 | 3.162 |
| Any other(Specify) | 3 | - | 20.98 | 20.10 |
| Total | - | - | 34.693 | 30.533 |

3.7 No. of books published i) With ISBN No. Chapters in Edited Books
 ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
 DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT Star Scheme
 INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of Conferences organized by the Institution

| Level | International | National | State | University/ College |
|---------------------|---------------|----------------|--------------|---------------------|
| Number | - | 2 | 1 | 6 (Workshop) |
| Sponsoring agencies | - | UGC, New Delhi | College Mgt. | College Mgt. |

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 linkages created during this year

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 | |
| | Granted | 1 |
| International | Applied | |
| | Granted | |
| Commercialised | 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 | Dist | College |
|-------|---------------|----------|-------|------------|------|---------|
| - | - | 1 | - | - | - | - |

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

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

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

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level

National level International level

3.22 No. of students participated in NCC events:

University level State level

National level International level

3.23 No. of Awards won in NSS:

| | | | |
|------------------|--------------------------------|---------------------|--------------------------------|
| University level | <input type="text" value="-"/> | State level | <input type="text" value="1"/> |
| 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="6"/> | State level | <input type="text" value="-"/> |
| National level | <input type="text" value="4"/> | International level | <input type="text" value="-"/> |

3.25 No. of Extension activities organized

| | | | |
|------------------|--------------------------------|---------------|--------------------------------|
| University forum | <input type="text" value="-"/> | College forum | <input type="text" value="8"/> |
| NCC | <input type="text" value="8"/> | NSS | <input type="text" value="1"/> |
| | | Any other | <input type="text" value="-"/> |

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

- Model Watershed Development project at Pathari-Samner, Dist. Jalgaon
- Contribution to Parliament Election 2014
- Contribution to Jalgaon Municipal Corporation Election 2013
- Celebration of Sanskrit Day, NCC day etc.
- Organisation of Open Public Speech on “Poverty in India and Public Policy”
- Organisation of Yoga Awareness Programme in various Social and Educational Societies.
- Organisation of Blood Donation Camps
- Participation in Pulse Polio Eradication Mission
- Creation of awareness: Save Girl Child Programme
- Proper disposal of Nirmalya (waste) produced during Ganesh Festival
- Participation in Voters’ Registration Camp

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

| Facilities | Existing | Newly created | Source of Fund | Total |
|---|----------|---------------|----------------|---------|
| Campus area | 26 Acre | - | - | 26 Acre |
| Class rooms | 62 | - | - | 62 |
| Laboratories | 36 | - | - | 36 |
| Seminar Halls | 03 | - | - | 03 |
| No. of important equipments purchased (\geq 1-0 lakh) during the current year. | 25 | 09 | UGC and DBT | 34 |
| Value of the equipment purchased during the year (Rs. in Lakhs) | - | 92.41 | UGC and DBT | 92.41 |
| Others (Indoor Stadium) | - | 9.4116 | College Mgt. | 9.4116 |

4.2 Computerization of administration and library

- Establishment of Dreamy Eyes Resource Centre for Visually challenged with a computer terminal OCR and text to speech software and JAWS software
- Procurement of audio books for visually challenged students
- e-Bonafide service is established for students.
- Establishment of Office under CCTV surveillance.
- Online availability of Roll Calls, Various forms, notices, event brochures etc.

4.3 Library services:

| | Existing | | Newly added | | Total | |
|-----------------------------|----------|---------|-------------|--------|--------|----------|
| | No. | Value | No. | Value | No. | Value |
| Text Books& Reference Books | 138468 | 1180432 | 3638 | 792629 | 142208 | 12673061 |
| e-Books | 53000 | - | 25000 | - | 78000 | - |
| Journals | 254 | 129838 | - | - | 209 | 154233 |
| e-Journals | 2200 | 1500 | 8000 | 3500 | 10200 | 5000 |
| Digital Database | - | - | - | - | - | - |
| CD & Video | - | - | 38 | 6596 | 38 | 6596 |
| Others (specify) | - | - | - | - | - | - |

4.4 Technology up gradation (overall)

| | Total Computers | Computer Labs | Internet | Browsing Centres | Computer Centres | Office | Departments | Others |
|----------|-----------------|---------------|---------------------------|--------------------|------------------|--------|-------------|--------|
| Existing | 545 | 13 | 20 MBPS – 01, 2 MBPS – 02 | 03 – Internet Cafe | EMDC - 01 | 02 | -- | -- |
| Added | 48 | -- | -- | -- | -- | -- | -- | -- |
| Total | 593 | 13 | 20 MBPS – 01, 2 MBPS – 02 | 03 – Internet Cafe | EMDC - 01 | 02 | -- | -- |

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

1) Workshop on “Lab-view” :-

Workshop on “Lab View Software operation” organized Jointly by Department of Electronics and Computer Science & Information Technology on 23th October 2013. Total 36 Faculty members were participated in the same.

2) Workshop on “Interdisciplinary Software Development”:-

Workshop on “Interdisciplinary Software Development” organized jointly by Department of Computer Science & Information Technology and Department of Life Sciences on 15th January 2014. In all 24 Faculty members & Students were participated in the same and discussed how to develop software in life sciences.

3) Seminar on “Cloud Computing”:-

Department of Computer Science and Information Technology have organized a Seminar on “Cloud Computing” on 14 October 2013 under the DBT STAR college scheme. Mr. Sandesh Wakode, from NIIT Nagpur, has given the guidance on recent technology and current trends in Cloud Computing. 115 students of under graduate and Post graduate classes get benefited from this.

4) Biometric Attendance of students in Practicals

4.6 Amount spent on maintenance in lakhs :

| | |
|--|----------------|
| i) ICT | 2.53613 |
| ii) Campus Infrastructure and facilities | 19.42013 |
| iii) Equipments | 3.53434 |
| iv) Others | - |
| Total : | 25.4906 |

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Prospectus consists of detailed information about the student support services.
- New entrants students get additional information in the inaugural address by the principal and vice principals at the beginning of each academic year regarding Student Support Services.
- Student Welfare Centre supports the students in participating and organising various activities and events.

5.2 Efforts made by the institution for tracking the progression

- The college has a structured mechanism to identify slow and advanced learners with the objective of proper monitoring of students.
- At the departmental level, examination results are analysed and evaluated.

5.3 (a) Total Number of students

| UG | PG | Ph. D. | Others |
|------|------|--------|--------|
| 3560 | 1574 | 122 | 452 |

(b) No. of students outside the state

| |
|----|
| 37 |
|----|

(c) No. of international students

| |
|---|
| 2 |
|---|

| No | % |
|------|----|
| 3500 | 62 |

Men

| No | % |
|------|----|
| 2208 | 38 |

Women

| Last Year | | | | | | This Year | | | | | |
|-----------|-----|-----|------|------------------------------------|-------|-----------|-----|-----|------|------------------------------------|-------|
| General | SC | ST | OBC | Physi- cally Chall- enged | Total | General | SC | ST | OBC | Physi- cally Chall- enged | Total |
| 2504 | 422 | 323 | 2335 | 8 | 5592 | 2798 | 400 | 327 | 2173 | 10 | 5708 |

Demand ratio

Applied: 2835

Dropout % 10%

Admitted: 2478

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- A full-fledged Competitive Examinations Guidance Centre with a separate library and reading room has been facilitating students in preparation for different examinations. Need based exhaustive courses for various competitive examinations have been framed and conducted throughout the year.
- The college conducts Graduate Excellence Examination (GEE) for the preparation of competitive examination such as MPSC, UPSC etc.

• No. of students beneficiaries 290

5.5 No. of students qualified in these examinations

| | | | | | | | |
|-------------|----|-----------|----|------|---|--------|----|
| NET | 28 | SET/SLET | 14 | GATE | - | CAT | - |
| IAS/IPS etc | - | State PSC | - | UPSC | - | Others | 42 |

5.6 Details of student counselling and career guidance

Career guidance and counselling centre of college ‘Manasrang Counseling Center’ provides counselling to students and community regarding family problems, personal problems, stress management, career guidance etc. Also the teaching faculty offers personal and career guidance to the students from time to time through formal and informal modes.

No. of students benefitted 459

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 |
| - | - | - | - |

5.8 Details of gender sensitization programmes

A specially constituted committee titled 'Yuvati Sabha' organizes several gender sensitizing programmes such as Anti-dowry Campaign, Campaign against Foeticide of Female Child every year. The committee also conducts regular awareness generation programmes on Health and Hygiene for Female Students, where doctor consultation is also a part of the programme. The Yuvati Sabha also offers personal counselling to the students whenever required.

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

State/ University level National level International level

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

Sports : State/University level National level International

Cultural: State/ University level National level International

5.10 Scholarships and Financial Support

| | Number of students | Amount |
|--|--------------------|-------------|
| Financial support from institution | - | - |
| Financial support from government | 2507 | 1,05,72,949 |
| Financial support from other sources | 429 | 6,90,700 |
| Number of students who received International/ National recognitions | - | - |
| Bus/Rail Pass Aid Scheme : Arts faculty (Fund raised by Arts faculty teachers) | 90 | 67400 |

5.11 Student organised / 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

28

5.13 Major grievances of students (if any) redressed: _____

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision

“To be a pre-eminent educational institution that prepares students from diverse backgrounds for productive careers by providing them with student-centered, practically focused quality learning experience”

Mission

“To graduate well educated students who are prepared to meet the challenges of a rapidly changing, increasingly complex world”

For this, our unflinching beliefs are:-

- Education in real sense is an on-going process of development
- The content of education is not just a body of knowledge, but also a cluster of attitudes, feelings, perceptions, insights, abilities and skills
- Since the students come from socially and economically diverse fields, there is a need of directing them to adopt suitable approach, positive attitudes, analytical aptitudes and eternal values
- Knowledge as far as education is concerned, is a means to this end and not an end in itself. We believe in this philosophy and accordingly we consider the curricula as a tool or a platform for the distinct development of a student
- Nothing good enters into the human world except in and through the free activity of the individual men and women and educational practice must be shaped to accord with this truth.

6.2 Does the Institution has a management Information System

Yes.

The college has evolved its own Management Information System on academic and administrative aspects, which plays vital role in the process of scientific decision making.

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

6.3.1 Curriculum Development

The college has a well pronounced goal of ‘internationalization of the curriculum that will yield exciting opportunities for research and instruction’. Keeping this goal in view, the college has introduced several career oriented programmes in emerging fields.

6.3.2 Teaching and Learning

Having recognized the importance of ICT tools and techniques in the process of effective teaching- learning, the institution has drawn the strategic plan:

- To build, expand and update ICT infrastructure in the campus.
- To train the faculty members for making them ICT enabled.
- To motivate teachers use modern teaching aids based on ICT and day by day enhance the proportion of ICT based teaching.
- To motivate the students use ICT infrastructure and tools for effective learning experiences.

6.3.3 Examination and Evaluation

Each year, the college constitutes a special examination committee to ensure effective implementation of all activities related to internal and external examinations and assessments.

6.3.4 Research and Development

- Established dedicated research laboratories to strengthen research capabilities
- Centralized facility with advanced and sophisticated instruments established.
- ICT facilities Strengthened by procuring advance software and hardware.
- National conferences organized as recurring annual events for enhancement of research culture.
- Introduced Research Promotion Scheme for students to promote research attitude.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- SOUL 2.0 software is used in most of the activities of the library.
- The college is also a subscriber of N-LIST facility of INFLIBNET through which about e-journals and e-books are made available to the faculty members, researchers and senior PG students.
- The college library provides Web-OPAC based book searching.
- ICT facilities Strengthened by procuring advance software and hardware.
- To keep pace with multidimensional growth of the college, the infrastructure has been augmented in a phased manner.

6.3.6 Human Resource Management

- The management firmly believes in participative decision-making and functioning. Conscious efforts have been taken by the management for the involvement of all elements of the system in institutional process.
- Numbers of committees are formed every year for various functions and activities in the college. The members in various committees are rotated every year so that, the involvement of staff in various activities increases. The active staff members are encouraged to play lead roles in various, functions / activities / events. Good blend of senior and junior members is formed in the committees with the objective of experience sharing and team building.
- The teaching and non teaching staff members are deputed to participate in various training programmes in order to upgrade themselves. The college conducts an induction programme for the new recruits.

6.3.7 Faculty and Staff recruitment

The recruitment of the teachers in the College is done strictly on merit, as per the rules, regulations and norms of the U.G.C., Government of Maharashtra and North Maharashtra University, Jalgaon. The Reservation policy is strictly followed.

6.3.8 Industry Interaction / Collaboration

- The college has initiated various collaborative activities with different academic / research institutions and industries, few linkages were established.
- The Management has established a multidisciplinary research wing of the college by the name 'JalaSRI' – Watershed Surveillance Research Institute. Through this wing a number of multidisciplinary research projects have been undertaken in collaboration with national/international agencies.
- Industry interaction through Animal House

6.3.9 Admission of Students

- Admissions to the various programmes are made strictly on the basis of merit. For select postgraduate programmes in the faculty of Science, centralized admission process of the university is followed.
- During the admission process, the faculty and experts provide help, support and advice to the students regarding various programme options available to them.

6.4 Welfare schemes for

| | |
|--------------|-----|
| Teaching | Yes |
| Non teaching | Yes |
| Students | Yes |

6.5 Total corpus fund generated

6.6 Whether annual financial audit has been done Yes No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

| Audit Type | External | | Internal | |
|----------------|----------|--|----------|-------------------------------|
| | Yes/No | Agency | Yes/No | Authority |
| Academic | Yes | 1. ISO Certification Agency – Det Noske Veritas (DNV), Pune 2. Mock NAAC Assessment visit | Yes | ISO 9001:2008 Audit Committee |
| Administrative | Yes | | Yes | |

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- The appointment of Examiners, Paper Setters, Moderators, Practical Examiners, Flying Squads, Senior Supervisors etc. are made through online mode.
- Implementation of 60:40 pattern with MCQ based term end examinations in University departments.
- Online distribution of Question Papers for Pharmacy and Engineering Faculties examination.

6.10 What efforts are made by the University to promote autonomy in the affiliated/ constituent colleges?

- The academic and administrative leadership of the University encourages its affiliated colleges/institutions to take autonomous status.
- The college has resolved to seek autonomous status and initiated the formal process for the same.

6.11 Activities and support from the Alumni Association

- The department-wise alumni associations have been constituted. The alumni associations have organized various activities like guest lectures by prominent alumni, alumni meets etc.
- The alumni extended their help in employment of the students and support in the various projects and activities.

6.12 Activities and support from the Parent – Teacher Association

Parent – Teacher Association have been not constituted. Effort will be made to constitute Parent – Teacher Association. The Parent-Teachers meetings at the departmental level are organised.

6.13 Development programmes for support staff

The college organizes need based training programmes for support staff.

6.14 Initiatives taken by the institution to make the campus eco-friendly

- The Environmental Science Department organises Ozone Day every year to spread awareness regarding Global Warming and other environmental issues.
- Healthy environment in the campus is conducive for the effective learning. Hence, the College proposes to develop the pollution free green campus, which will result into enriched plant biodiversity.

Criterion – VII

7. 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.

- The college organized mock NAAC peer team visit to all the departments of the college to assess the progress.
- Updated versions of Teacher Daily Record Diary have been issued to synchronize documentation of work done and assess the progress made.

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

1. Introduced 11 add-on courses and one diploma course
2. Strengthened Science laboratories by purchasing sophisticated equipments
3. Upgraded ICT infrastructure
4. Organised the National Level Conferences RAAB and AMBI focusing the student researchers
5. Organised IMPACT: National level software competition
6. Organised MAESTRO: State level competition for the students of Commerce and Management
7. Organised refresher course in Commerce under the aegis of Academic Staff College of University of Pune
8. Organised Orientation Programme of the University of Pune on the theme “Mantras of Quality Education”
9. Organised mock NAAC peer team visit
10. Conducted Teachers Survey on opinion regarding autonomy for the college

7.3 Give two Best Practices of the institution (please see the format in the NAAC Self-study

1. Budding Researchers Scheme
2. JalaSRI - Watershed Surveillance and Research Institute- A research and extension wing of the college

**Provide the details in annexure (annexure need to be numbered as i, ii,iii). Annex. III*

7.4 Contribution to environmental awareness / protection

- **Environmental awareness and Sanitation Drive:** The NSS and NCC volunteers carried out sanitation drive of Mehrun Lake in Jalgaon where the Ganesha Idols are immersed during the festival. They also put up an exhibition on the campus and the village Vidgaon about environmental awareness and protection. The volunteers also carried out Green Ribbon programme to create environmental awareness. The volunteers also planted 50 trees at Vidgao Village
- **WORLD OZONE DAY:PULMONARY LUNG FUNCTIONING TEST CAMP:** On the occasion of **World Ozone Day**, 16th September, 2013 the College organized a lecture on the chest conditions. According to the age, common tips and recommendations were given to keep the heart and chest healthy. About 138 teaching and non-teaching staff of M J College participated and diagnosed their lung efficiency through PFT test.
- A T.Y.B.Sc. student Ms. Rachana Kulkarni participated in the State level 'Avishkar - 2013' under the category Environment Science. She presented a Static Model on "Bioplastic – A Substitute to Hazardous One" and got Second prize in UG category. The model has been selected for the **National Level Avishkar.**

7.5 Whether environmental audit was conducted? Yes No

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

Strengths:

- 'A' Grade College with CGPA of 3.63
- Honoured by UGC as 'College of Excellence'
- Lead College in the region and Visionary Management
- Academic programmes like B. A. in Music, Drama, Yoga, Bachelor and Masters of Fine Arts

Weaknesses:

- Limited Consultancy Services.
- Research limited to some departments.

Challenges:

- Placement opportunities must be enhanced.
- Seeking autonomous status

Opportunities:

- Expansion of ICT based knowledge management
- Collaboration and exchange programmes with national and international institutions

8. Plans of institution for next year

- Establishment of Smart Classrooms
- Strengthening of Science, Commerce and Language Laboratories
- Enrichment of Library Learning Resources
- Adoption of Innovative Teaching Models
- Initiation of Academic Reforms
- Establishment of Advance Research Facilities
- Strengthening of Educational Media Development Centre (EMDC)
- Faculty Development for Quality Enhancement
- Capacity Building for Interdisciplinary Research
- Research Collaboration and Networking
- Awareness Campaign for Water and Watershed Management
- Health Awareness through Yoga
- Development of Green Campus
- Adoption of Student Centric e-Administration
- Organisation of SPSS workshop
- Formation of Entrepreneurship Development Cell
- Opting for Autonomy
- Construction of Swimming Pool, Auditorium, Shooting Range

Name Dr. K. G. Khadse

Name Dr.P.R. Chaudhari

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

Annexure-I
KCE Society's

MOOLJI JAITHA COLLEGE, JALGAON

Academic Calendar, 2013-14

| Month | Week | Activities |
|-----------|--|---|
| May | 1 st Week 2 nd Week 3 rd Week 4 th Week | <ul style="list-style-type: none"> • Admission committee meeting • Printing of Brochures and Prospectus • Planning and execution for entrance exams • Printing of entrance exam material |
| June | 1 st Week 2 nd Week 3 rd Week 4 th Week | <ul style="list-style-type: none"> • Counseling for students facultywise • Admission process for UG • Term meeting • Preparation of time tables of all departments in third week • Preparation of workload • Dead stock verification |
| July | 1 st Week 2 nd Week 3 rd Week 4 th Week | <ul style="list-style-type: none"> • Organizing departmental meetings • Holding welcome functions for students • Principal address for FY students • Admission for PG Classes • Selection of earn and learn students • Selection of NSS/NCC students |
| August | 1 st Week 2 nd Week 3 rd Week 4 th Week | <ul style="list-style-type: none"> • Beginning of PG classes • Study tour by Department of Zoology • Celebration of Sanskrit Day by Department of Sanskrit • Independence Day celebration on 15th Aug. • Spoken English course • Students Council Elections |
| September | 1 st Week 2 nd Week 3 rd Week 4 th Week | <ul style="list-style-type: none"> • Teachers Day Function on Sept. 5 • Health check up for all students • Internal exams held by all departments in the last week • Ozone Day Celebration by Department of Environment Studies • State Level Competition BIOINNOVO-2013 to be organized by Department of Microbiology • Seminars and guest lectures to be held by various departments |
| October | 1 st Week 2 nd Week 3 rd Week 4 th Week | <ul style="list-style-type: none"> • Gandhi Jayanti Celebration of October, 2 • Wildlife Week celebration by Department of Environmental Studies • 1st Term examination to be held by University • Alumni Meet / Parent's Meet • Term end meeting |
| November | 1 st Week 2 nd Week 3 rd Week 4 th Week | <ul style="list-style-type: none"> • Diwali Vacations • Faculty Development Programme • Departmental Meetings for Commencement of Second Term • Preparation of Time Table |
| December | 1 st Week 2 nd Week 3 rd Week 4 th Week | <ul style="list-style-type: none"> • Study Tour, Industrial Visits and excursions of various departments • Poster Competition to be held by Department of History • NCC/NSS Winter Camp |

| Month | Week | Activities |
|--------------|--|--|
| January | 1 st Week 2 nd Week 3 rd Week 4 th Week | <ul style="list-style-type: none"> • Study Tour, Industrial Visits and excursions of various departments • National Level Conference AMBI 2014 competition to be held by Dept. of Microbiology and Biochemistry • Annual College Gathering CHAITANYA • Blood Donation Camp • Annual Prize Distribution |
| February | 1 st Week 2 nd Week 3 rd Week 4 th Week | <ul style="list-style-type: none"> • National Level Competition IMPACT 2014 to be organized by Department of Computer Science • Internal exams in the second week by all departments • Seminars and guest lectures to be organized by all departments • National Conference RAAB to be organized by Dept. of Biotechnology |
| March | 1 st Week 2 nd Week 3 rd Week 4 th Week | <ul style="list-style-type: none"> • State Level Competition MAESTRO to be organized by Department of Commerce and Management • Practical examination begin • Farewell party to Final Year students • University Examination begin |
| April | | <ul style="list-style-type: none"> • University Examinations (Theory and Practicals) • Planning Committee meeting for next academic year • Assignment of work load and advertisement for new posts • Meeting on College Magazine AJINTHA |

Annexure-II

Analysis of feedback from stakeholders and its use in Curricular Design and Development

It is the practice of the college to obtain feedback on curriculum from students, alumni, parents, employers/industries, academic peers and community.

- Feedback is obtained from the final year students through feedback forms. The feedback is also received from meetings of students' council and farewell functions, where the teachers interact more closely with the students. Students also provide their feedback through suggestion boxes located in various places in the college campus.
- Alumni meetings are conducted mostly at department levels where occasionally feedback on curriculum is obtained.
- The feedback from the parents is obtained through questionnaires and personal interaction.
- The college has linkage with the neighbourhood industries and through personal interaction and questionnaires the feedback is obtained.
- Academic peers are invited by the college for various academic programmes such as conferences and seminars, competitions, guest lectures and the issues concerning curriculum are discussed with them and feedback is obtained.
- While conducting various social activities, the curriculum issues are discussed with the Community Representatives, NGOs, Local Authorities, and Municipal Corporations, social workers, and professionals.

The SWOT analysis of curriculum is done through feedback received from the stakeholders. The College always has had the privilege of greater representation of its faculty members in different academic bodies and committees of university like Board of Studies, Faculty, Academic Council, Senate and Management Council. The active participation of these teachers, and the feedback from stakeholders, academic peers and experts, has always contributed in updating the syllabi. It is worth mentioning that, the faculty members of the college continue to be active idea generators, trendsetters and coordinators in the introduction of new programmes, courses and restructuring of existing courses under North Maharashtra University (NMU).

It is only because of the initiative of the college, that special courses like Geo-informatics, Fine Arts, Dramatics, Music, Yogic Science, B..C.A., B.Sc. in Environmental Science and M.Sc. in Drug Chemistry have been framed and launched in university jurisdiction.

Annexure III

BEST PRACTICE: 01

- **Title:** Budding Researchers Scheme
- **Goal:** The goal of this practice is to acquaint the students of undergraduate and postgraduate courses with the fundamentals of research and to inculcate research methods, ethics, and culture in them by motivating them to undertake small research projects under the supervision of their respective teachers. The aim of the practice is to make students realize that research is not a far removed field where only privileged and so called talented people. It is there in an average student also. The need is to identify, unleash, and cultivate that potential that is hidden in a common student.
- **Context:** It has been observed over the years that Indian higher education has detached itself from research. Research has been no more integral part of educational courses and they have become more job/skills oriented. As a result there has been decline in interest and motivation in research. There are various schemes floated by UGC and other agencies for teachers for undertaking research projects. But there seems to be no schemes that will inspire the students to opt for research while taking education. It became a dire necessity to connect students to research so that they are given opportunities to explore their research potential while they are completing their formal education.
- **Practice:**
 - The scheme is floated in the beginning of an academic year by means of notices and motivational meetings with students.
 - The students with research interest are identified and guided to prepare detailed research proposals in a prescribed format. Students work groups of 2 or 3.
 - The innovation and feasibility of research proposal is scrutinized by a committee of teachers.
 - The decision of sanction, reworking, or rejection of proposal is conveyed to the students.
 - The Research projects are undertaken by interested students under supervision of respective teachers.
 - Students are provided research assistance to meet the expenses of the research projects. The undergraduate students are provided Rs. 3000/- and the postgraduate students are provided Rs. 5000/- as one time research assistance.
 - The students are given a period of 90 days to complete their projects.

- After completion of the project the students are asked to make presentations.
- The presentations are evaluated by senior faculty from North Maharashtra University and affiliated colleges.
- The best performers are felicitated by giving cash prizes.
- The research papers based on their projects are published in a separate e-volume as “Compendium of Research Articles by Budding Researchers” with an ISSN annually.
- Non-availability of sufficient funds and lack of time and motivation are the significant constraints of the scheme.

- **Evidence of Success:**

150 students of Arts, Commerce & Science faculty from 24 departments completed 65 research projects under the guidance of 58 supervisors in 2013-14. All their projects and presentations were evaluated by senior faculty from North Maharashtra University and from affiliated colleges. The best performers were felicitated by giving cash prizes. The research papers based on their projects were published in a separate e-volume as “Compendium of Research Articles by Budding Researchers – Vol. 5”.

- **Problems encountered and resources required:**

There were two significant hurdles in successful implementation of the scheme. The first hurdle was non availability of funds required to meet the expenses of the research projects. Initially UGC provided some assistance under CPE but later on the college has been making provision for continuation of the scheme. The second hurdle is lack of motivation and time. However, the college has successfully overcome these hurdles with rigorous, constant, and patient efforts in this regard.

However lack of sufficient funds has become an obstacle in the further expansion of the scope of the scheme.

BEST PRACTICE: 02

- **Title:**JalaSRI - Watershed Surveillance and Research Institute- A research and extension wing of the college
- **Goal:** The goal of this activity is to harvest the expertise in various fields available on the campus for the benefit of farmers and society in general. The faculty, researchers and students contribute to the development of the community around. The ‘JalaSRI’ is attempting to be a unique and innovative multidisciplinary research institute, contributing significantly to the surveillance and research activities for additional water, natural resources monitoring and

management for Jalgaon district in particular. It's a collaborative organization accelerating capacity building and utilization. It aims to promote core scientific skills and case studies. It is specially established to:

1. Undertake systematic geospatial surveys of watersheds and other natural resources; build scientific data warehouse with the help of modern geo-informatics techniques; and develop different geostatistical and mathematical models using modern geoinformatics tools.
 2. Develop the software infrastructure for spatial and spatio-temporal hotspot detection, prioritization, early warning, and sustainable management.
 3. Plan and implement outreach activities in the areas of watersheds, geoinformatics, remote sensing and geostatistical computing; impart education and establish different projects in the field of watersheds, biodiversity, forestry, agriculture, geoinformatics, statistics, computer, ecology and conservation of nature and such other related areas.
 4. Help and validate the local wisdom/government/public agencies and policy framers in formulation and planning of policies related to critical areas such as water resources monitoring and management, public health, ecosystem health, financial health, bio-surveillance, sensor networks, social networks, energy conservation, data mining, poverty and unemployment, youth investment, early warning and disaster management.
 5. Undertake consultancy services and organize capacity building programmes for various stakeholders including government officials and corporate executives.
 6. Plan and execute research projects, programmes and activities independently and/or in collaboration with regional, national and international universities, agencies, research institutions, non government organizations in the field of mutual interest.
- **Context:** The extension activities and community engagement drives undertaken by the college have previously been scattered spatially. Their impact on the community was generally obliterated in the course of time. So it had become obligatory to concentrate these activities spatially in planned manner over a considerable period of time in order to yield discernible results.
 - **Practice:** The dynamic management and motivated faculty, researchers and students came together to deliberate the efforts made by the college on various fronts in community engagement drive. It was decided to concentrate these efforts by adopting a village or two in the vicinity for stimulating overall development. The priority area was watershed development. To give the efforts a formal platform "JalaSRI - Watershed Surveillance and Research Institute- A research and extension wing of the college" was incepted. In order to make this effort scientifically and economically viable JalaSRI collaborated with National

Science Foundation, USA, ICRISAT- International Crop Research Institute for Semi Arid Tropics, and District Agricultural Department and undertook the Government of India Watershed Development Project in the *Pathari* and *Samner* villages of Jalgaon District, Maharashtra. The duration of the project is five years. JalaSRI is implementing the project successfully. It works in various fields like Remote Sensing & GIS, Nature Conservation and Biodiversity, Watershed Development, Hydrology and Water Resource Management, Software Development, Data Design and Warehousing, Sensor Application, Energy Conservation, Community Development and Environmental Education. It has also undertaken other projects like Milan Biodiversity Project. It has also successfully conducted socio-economic impact survey of River Linking in Jalgaon District and Jalgaon City Sanitation Plan Survey.

Some of the Research and Development projects undertaken by JalaSRI

- (i) Model Watershed Development Programme in Pathari and Samner Villages of Jalgaon District.
 - (ii) Defending Biodiversity and Promoting Sustainable Agriculture in Jalgaon District (India) Integrating New Methodology and Advanced Technologies
 - (iii) Geoinformatics of Hotspot Detection and Prioritization for Digital Governance in 21st Century
 - (iv) National Carbon Project
- **Evidence of Success:** JalaSRI has successfully implemented various projects and conducted necessary surveys. It has contributed to the development of community around. It has successfully pooled funds from various agencies for development of community and research and innovation. The range of projects and activities undertaken by JalaSRI itself is mark of success. The watershed development project was a unique initiative of the wing which imbibed confidence in us to dare the horizons. The students and volunteers of NSS and NCC were also contributed to the project. The project is in the last phase of implementation. Significant positive change has been observed in the ground water level and crop yield in the watershed which has accelerated the growth of the community.
 - **Problems encountered and resources required:**
Funds: Initially there was shortage of funds, but collaboration with various agencies has helped in overcoming this problem.

Infrastructure: The college management on priority basis provided necessary working space, software, hardware, and instruments that were needed to be procured immediately in order to meet deadlines.

Human Resource: Supplementary human resources required were hired for stipulated time period of concerned projects to ensure timely implementation.

Annexure IV

Academic flexibility

a. Core options:

Faculty of Science:

- F.Y.B.Sc.: The student has the option to elect any one compulsory core option of four subjects out of 21 core combinations.
- S.Y.B.Sc.: Freedom to choose any one combination consisting of three compulsory core subjects from among 24 core combinations, with a condition to continue three subjects out of subjects chosen at F. Y. level.
- T.Y.B.Sc.: The student has the option of choosing any one subject as the principal subject out of the three compulsory subjects pursued at S.Y. level.
- M.Sc.: The student has the flexibility to choose any of the branches of the subject pursued at T.Y. level, wherever available. Students from B.Sc. Botany, Zoology, Microbiology, Biochemistry have option to opt M.Sc. Biotechnology. Similarly Students from B.Sc. Chemistry, Biotechnology, Microbiology, Botany and Zoology have option to opt M.Sc. Biochemistry. Students from B.Sc. Biotechnology, Microbiology, Chemistry, Botany, Zoology, Physics and Geography have option to opt M.Sc. Environmental Science.

Faculty of Arts, Fine Arts & Humanities:

- F.Y.B.A.: Environmental Studies and Compulsory English are mandatory subjects.
- F.Y.B.A. & S.Y.B.A.: Compulsory English and General Knowledge are mandatory subjects.
- M.A.: The students have the option of pursuing post-graduation in any subject area, irrespective of the subjects chosen at graduate level from any faculty.

Faculty of Commerce and Management:

- F.Y.& S.Y. and T.Y.B.Com.: There are in all seven papers, out of which 4 are compulsory. A number of optional papers offered. Environmental Studies at F.Y. and General Knowledge at S.Y. are compulsory for all Faculties.

b. Elective Options:

□ Faculty of Science:

□ Undergraduate: Elective options are available at all levels in Mathematics. For the students of Physics, elective options are available from SY level. Several options of specialization are available at TY level in Geography, Statistics, Botany, Zoology, Chemistry, Mathematics, and Computer Science subjects.

□ Post Graduate : Several elective options are available in Geography, Zoology, Botany and Mathematics subjects.

□ Faculty of Arts, Fine Arts and Humanities:

□ F.Y.B.A.: The student has the option to choose maximum two languages from five language options and minimum three and maximum four subjects from 10 other subjects.

□ S.Y.B.A.& T.Y.B.A.: The student has the option to choose maximum one language from five language options and maximum three subjects from 10 core subjects out of which two are special subjects.

□ M.A.: There are a number of options to choose elective papers in post graduate programmes. Their number and year of study, vary from subject to subject.

□ Faculty of Commerce & Management :

□ F.Y.B.Com.: The student has to opt for at least one language among four options, one elective among four options and any one applied component among seven options.

□ S.Y. & T.Y.B.Com.: The student has the option to choose one elective among four options and one elective with two paper among seven options. The students may opt for a project report instead of one elective paper.

□ S.Y. & T.Y.B.B.A. : The student has the option to choose one elective among three options.

□ M.Com.: The student has the liberty to choose one specialization subject among 4 subjects.

c. Add-on courses:

Students of any faculty can pursue most of the add-on courses offered. College offers 55 job/skill oriented Certificate / Diploma / Advanced Diploma / Post Graduate Diploma courses. The college provides a number of courses with interdisciplinary approach.