



Annual Quality Assurance Report (AQAR) of the IQAC

Academic Year
2017-2018

**GOVERNMENT INSTITUTE OF SCIENCE,
NIPAT NIRANJAN NAGAR, CAVES ROAD
AURANGABAD-431 004, MAHARASHTRA**

Part – A

Data of the Institution *(data may be captured from IQA)*

1. Name of the Institution : Institute of Science, Aurangabad
- ☐ Name of the Head of the institution : Dr. Rajendra A. Satpute
- ☐ Designation : Director
- ☐ Does the institution function from own campus : Yes
- ☐ Phone no./Alternate phone no. : 0240 2400586
- ☐ Mobile no. : 9404012456
- ☐ Registered e-mail : director@inosca.org
- ☐ Alternate e-mail : none
- ☐ Address : Nipatniranjan Nagar, Caves road
- ☐ City/Town : Aurangabad
- ☐ State/UT : Maharashtra
- ☐ Pin Code : 431004
2. Institutional status
- ☐ Affiliated / Constituent : Affiliated
- ☐ Type of Institution: Co-education/Men/Women : Co-education
- ☐ Location: Rural/Semi-urban/Urban : Urban
- ☐ Financial Status: Grants-in aid/ UGC 2f and 12 (B)/ Self financing (please specify):
Grants-in aid/ UGC 2f and 12 (B)
- ☐ Name of the Affiliating University : Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
- ☐ Name of the IQAC Co-ordinator : Dr. Aniroodha V. Pethkar
- ☐ Phone no. : 9833494261
- Alternate phone no. : none
- ☐ Mobile : 9833494261
- ☐ IQAC e-mail address : iqacgis@gmail.com
- ☐ Alternate Email address : none

3. Website address:

Web-link of the AQAR: (Previous Academic Year):

<http://www.inosca.org/iqac/aqar-2017-18.pdf>

4. Whether Academic Calendar prepared during the year? Yes

Yes/No....., if yes, whether it is uploaded in the Institutional website: Yes

Weblink:

<http://www.inosca.org/iqac/academic-calendar-2017-18.pdf>

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 st	B++	80-85 %	2004	From 16 September 2004, to: 15 September 2009
2 nd	B	2.74	2016	from March 29, 2016 to March 28, 2021

6. Date of Establishment of IQAC: DD/MM/YYYY: 15/01/2005

7. Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries
Regular meeting of Internal Quality Assurance Cell (IQAC),	04-07-2017, 11-07-2017, 19-07-2017, 11-08-2017, 28-04-2018.	No. of participants= 09 No. of participants= 20 No. of participants= 26 No. of participants= 07 No. of participants= 05
One Day Free Workshop on Preparing for Competitive Examinations by Shri. Krishna Bhoge (Retd. IAS) and Shri. Nitin Bagate (UPSC Rank 673) jointly by IQAC and Minority Girls' Hostels, Caves Road, Aurangabad for Colleges affiliated to Dr. BAM University.	14-07-2017	92
Seminar on "Quality Sustenance Initiatives-Proposals for Research Funding & Conferences" by Prof. A. M. Deshmukh (Dr. BAM Univ.).	26-07-2017	All faculty members= 21
Feedback from students collected, analyzed and recommendations given to respective Departments for improvements. Student Satisfaction Survey is carried out to gauge the satisfaction level of students with regard to the teaching-learning experience.	2017-18	Feedback= 164 respondents Student Satisfaction Survey= 45 respondents
Academic Administrative Audit (AAA) conducted	26/29-02-2020	Staff= 39, internal audit conducted by one-person committee= 01
Students were encouraged to participate in the Open Day function and present the respective Department Activities to visiting school and	14-08-2017	Students deputed by respective Departments= 50

college students.		
Department of Botany under the aegis of the alumni awarded Prin. S. P. Nanir Gold Medal to the M.Sc. Part II Department Topper in the subject of Botany.	16.03.2019	2016-17= 01 awardee 2017-18= 01 awardee
Solid Bio-waste conversion to fertilizer under joint initiative with Aurangabad Municipal Corporation, Aurangabad.	06-07-2017	IQAC and Staff of Minorities Girls' Hostels= 05
Swachhata Survey: registration of staff and students for Swachhata Mobile App under joint initiative with Aurangabad Municipal Corporation, Aurangabad.	06-12-2017	Students= 186 Staff= 40
Students encouraged to participate in cultural activities, sports and extension activities organized by the NSS unit. Some of the innovative extension activities include- Tree plantation under the aegis of "50 Crore Mega Tree Plantation Campaign" of the Department of Forestry, Health Check-up Camp for adjoining residential area, Swachchata Pakhwada under Rashtriya Swachchata Abhiyan, campus cleaning, cleaning inside the department buildings, hostels, mega cleanliness drive at "Buddha Vihar" near the foothills of a mountain near Aurangabad Caves, cleaning the streets in and around Aurangabad, rally for peace and equality "Samata Shanti Pad-yatra" on the occasion of Mahaparinirvan Din, water conservation in adopted village, Georai Kuber, (construction of Contour Trenches and Loose Boulder Structures), workshop on Fabrication of an economical Biogas Plant, street plays on prevention of female foeticide and farmers' suicide in village Georai Kuber; awareness program on health and hygiene for primary school children of Zilla Parishad Prashala, workshop on preparation of paper bags to stop use of plastic for primary school students of Zilla Parishad Prashala, lecture on "the 21 st Century Elixir of Life- <i>Spirulina</i> cultivation and farming associated business, village survey for groundwater and surface water; street plays on "Crimes and Crime investigations", folk song on Chhatrapati Shivaji Maharaj, workshop on "Production of smokeless charcoal from	2017-18	All students= 186

cellulosic waste, workshop on “Production of <i>Azolla</i> for cattle and poultry feed” Mega-cultural show for social awareness in the adopted village and Blood Donation Camp at adopted village Georai Kuber.		
Students encouraged to participate in poster competitions, paper presentations and training courses.	2017-18	09 students participated in paper presentation and 04 students completed training courses (summer training/on-line course)
Faculty members encouraged to focus on student mentoring, devote to research activities, submit research proposals for funding, establish academic linkages, organize seminars, conferences, etc. and student-centric activities such as excursions, educational visits, placements, etc.	2017-18	All faculty members= 21
Faculty members are encouraged to participate in PG/UG syllabus restructuring, revisions as per current trends in respective subjects.	2018-19	07 faculty members are members of BoS in the respective subjects of various Universities and the affiliating University and they actively contribute towards the revision/reframing of syllabi, viz. Mrs. V. N. Wadekar- Ad-hoc BoS in Biophysics, Dr. R. P. Bhagat- Member of Academic Body at Rajarshi Shahu College, Latur, Dr. A. V. Pethkar- BoS in Microbiology, Dr. A. G. Jadhav- Ad-hoc BoS in Bioinformatics, Dr. M. A. Sonar- BoS in Geology and member of Academic Body of Gondwana Geological Society, Nagpur, Mr. S. G. Kulkarni- Ad-hoc BoS in Biophysics and member BoS in Biophysics of SRTM University, Nanded, Dr. S. M. Deshpande- member BoE and Member, RRC of

		affiliating University.
--	--	-------------------------

Note: Some Quality Assurance initiatives of the institution are:

- Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality
- Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for
- improvements
- Academic Administrative Audit (AAA) conducted and its follow up action
- Participation in NIRF
- ISO Certification
- NBA etc., any other Quality Audit

8. Provide the list of funds by Central/ State Government-

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount (Rs.)
Institute of Science, Aurangabad	Total Funds	State Govt.	2017-18, 1yr.	4,32,75,000
	Salary	State Govt.	2017-18, 1 yr.	3,89,24,000
	Academic facilities	State Govt.	2017-18, 1yr.	5,27,000
	Physical facilities	State Govt.	2017-18, 1yr.	-
	Miscellaneous*	State Govt.	2017-18, 1 yr.	38,24,000
Institute of Science, Aurangabad	Total Funds	Affiliating Univ.	2017-18, 1 yr.	49,5000
	Earn and Learn	Affiliating Univ.	2017-18, 1 yr.	5,000
	NSS	Affiliating Univ.	2017-18, 1 yr.	44,500

*Includes electricity, telephone, water, contractual services, travel within India, office expenses, land and revenue and taxes, publication fees.

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: Yes

*upload latest notification of formation of IQAC-

<http://www.inosca.org/iqac/iqac-composition-2016.pdf>

10. No. of IQAC meetings held during the year: 05

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website: (Please upload, minutes of meetings and action taken report)

Yes

<http://www.inosca.org/iqac/mom-2017-18.pdf>

<https://www.inosca.org/iqac/compliance-2017-18.pdf>

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? Yes/No: No

If yes, mention the amount: Year: Nil

12. Significant contributions made by IQAC during the current year (maximum five bullets)

- A One Day Free Workshop on Preparing for Competitive Examinations was organized on 14th July 2017 for UG/PG students of colleges in Aurangabad. Shri. Krishna Bhoge (Retd. IAS) and Shri. Nitin Bagate (UPSC Rank 673) were invited to deliver interactive lectures to the students. The program was conducted under the joint initiative of the IQAC and Minority Girls' Hostels, Caves Road, Aurangabad.
- A seminar on "Quality Sustenance Initiatives- Proposals for Research Funding and Organizing Conferences" was organized on 26th July 2017 for academic staff. Prof. A. M. Deshmukh (Retd. Prof., Dr. Babasaheb Ambedkar Marathwada University, Aurangabad delivered talk on the preparation of research and conference proposals for funding from Govt. funding agencies.
- The faculty members were encouraged to participate in the framing and revision of syllabus as a part of various committees in the University, submit research projects to various funding agencies and organize workshops for competitive examination guidance, pursue research work, publish papers in peer reviewed, refereed and UGC-listed, scopus-indexed and high impact factor journals, participate in and organize conferences, attend faculty development programmes organize, guest lectures and/or lecture series for students and to offer mentoring to the students.
- The faculty members were encouraged to participate in Faculty Development Programs for enhancing the knowledge horizons and career progression.
- As an initiative to motivate students and honour them for the performance in final year of PG, the Department of Botany under the aegis of the alumni awarded Prin. S. P. Nanir Gold Medal to the M.Sc. Part II Department Topper in the subject of Botany.
- A number of faculty members are members of BOS in the respective subjects of various Universities and the affiliating University and they actively contribute towards the revision/reframing of syllabi.
- All Departments were advised to submit uniform time-table of lectures considering slot for service course lectures to take measures to ensure 100% student attendance for theory and practical sessions.
- Placement cell was encouraged to organize on-campus and off-campus placement activities and organize programmes for career counseling and competitive exam guidance and engage the alumni to interact with the student to motivate them.
- NSS unit was encouraged to carry out unique extension activities for developing sensitivity towards the society, environment and the Nation and for upliftment of society. An initiative was undertaken towards safe disposal of bio-waste in the Minority Girls' Hostels in the Institute campus. Mr. Bhalchandra Paithane, Ward Officer, Aurangabad Municipal Corporation visited the Institute and offered know-how for converting solid waste into fertilizer. As a part of National Cleanliness Survey (Swachhata Sarvekshan), a special programme was organized in association with Minority Girls' Hostels and

Aurangabad Municipal Corporation for registration of Staff and Students on mobile Swachhata App on 6th December, 2017.

- Students encouraged to participate in cultural activities, sports and extension activities organized by the NSS unit. Some of the innovative extension activities include- Tree plantation under the aegis of “50 Crore Mega Tree Plantation Campaign” of the Department of Forestry, Health Check-up Camp for adjoining residential area, Swachhata Pakhwada under Rashtriya Swachhata Abhiyan, campus cleaning, cleaning inside the department buildings, hostels, mega cleanliness drive at “Buddha Vihar” near the foothills of a mountain near Aurangabad Caves, cleaning the streets in and around Aurangabad, rally for peace and equality “Samata Shanti Pad-yatra” on the occasion of Mahaparinirvan Din, water conservation in adopted village, Georai Kuber, (construction of Contour Trenches and Loose Boulder Structures), workshop on Fabrication of an economical Biogas Plant, street plays on prevention of female foeticide and farmers’ suicide in village Georai Kuber; awareness program on health and hygiene for primary school children of Zilla Parishad Prashala, workshop on preparation of paper bags to stop use of plastic for primary school students of Zilla Parishad Prashala, lecture on “the 21st Century Elixir of Life- *Spirulina* cultivation and farming associated business, village survey for groundwater and surface water; street plays on “Crimes and Crime investigations”, folk song on Chhatrapati Shivaji Maharaj, workshop on “Production of smokeless charcoal from cellulosic waste, workshop on “Production of *Azolla* for cattle and poultry feed”, Mega-cultural show for social awareness in adopted village and Blood Donation Camp at adopted village Georai Kuber.
- Office staff was instructed to complete the demands of the staff for stationary items and consumables within a short time and to make payments of vendors in time.
- Students were encouraged to present posters and papers in conferences and various competitions, take initiative in Open Day function and present the respective Department Activities to visiting school and college students.

13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
Tapping of funds from different funding agencies for development of infrastructure.	Received funds from DPDC for lab equipment, chemicals/consumables. RUSA committee constituted for active persuasion to get RUSA funds
Designing and implementation of different activities aimed at improvement of student skill and knowledge through Lecture Series and Workshops, invited talks of experts and professionals from industry/ academia and implement good mentoring practices.	Industry professionals were invited to deliver talks and interact with students under the initiative of the placement cell. Workshop on preparations for competitive examinations was organized.

Faculty members were encouraged to organize workshops on preparations for Competitive Examinations.	A One Day Free Workshop on Preparing for Competitive Examinations was organized for students of colleges in Aurangabad affiliated to Dr. BAM University, Aurangabad.
Arranging and execution of study tour for keeping abreast with recent trends across fields related with the subject.	Faculty members of all departments organized study tours, excursions, field visits, industry visits, etc.
Active promotion of student participation in seminars, presentations, extracurricular activities, summer training, national/international symposia, conferences and workshops.	Students participated and succeeded in poster and oral presentation competitions. Students delivered presentations in conferences.
Efforts to increase the student placements in industrial and academic organization.	Students were recruited in industries in the on- and off- campus placement programs as a result of efforts undertaken by the placement cell.
Taking measures to ensure student attendance in theory and laboratory sessions	The student attendance was monitored and students were motivated by staff to maintain regularity.
To motivate students and honour them for the performance in final year PG examination.	Department of Botany under the aegis of the alumni awarded Prin. S. P. Nanir Gold Medal to the M.Sc. Part II Department Topper in the subject of Botany. The students are inspired to prepare and perform well in the examinations and the award creates a sense of pride for the awardee.
Encouraging good practices with regard to punctuality of staff, supply of material to users, water distribution, bill payments and overall smooth conduct of all activities in the Institute.	Activities concerned with overall administration were streamlined to avoid inconveniences.
Building and sustenance of platform for interaction of stakeholders associated with the Institute.	Alumni interacted with students for guidance on preparations for competitive exams and placements.
To encourage participation of students in the Open Day Function on the occasion of Foundation Day.	Students participated in Open Day function on 14 th Aug. 2017 and presented the respective Department Activities to visiting school and college students.
Encouraging the faculty members to contribute to syllabi designing and revisions.	A number of faculty members are members of BoS in the respective subjects of various Universities and the affiliating University and they actively contribute towards the revision/reframing of syllabi, viz. Mrs. V. N. Wadekar- Ad-hoc BoS in Biophysics, Dr. R. P. Bhagat- Member of Academic Body at Rajarshi Shahu College, Latur, Dr. A. V. Pethkar- BoS in Microbiology, Dr. A. G. Jadhav- Ad-hoc BoS in Bioinformatics, Dr. M. A. Sonar- BoS in

	Geology and member of Academic Body of Gondwana Geological Society, Nagpur, Mr. S. G. Kulkarni- Ad-hoc BoS in Biophysics and member BoS in Biophysics of SRTM University, Nanded, Dr. S. M. Deshpande-member BoE and Member, RRC of affiliating University.
Organization of campus interviews and career guidance through “Placement and training Cell”	The Placement and training cell organized campus interviews, off-campus placement support and carried out career counseling for the students.
Motivation to teaching staff in faculty development programmes, submit research projects to various funding agencies, pursue research work, and publish papers in peer reviewed, refereed and UGC approved journals participate in and organize conferences.	Faculty members published papers, presented papers, worked as resource persons in India/abroad and received awards/honours for their academic/research accomplishments. The faculty members submitted research proposals for funding from Govt. agencies. Research proposals of two faculty members, Mr. H. P. Panakkal and Dr. A. V. Pethkar were selected by UGC-WRO, Pune for funding award, however, were not sanctioned any amount due to paucity of funds. Since 2005-06, a total of 40 research projects with total grant of Rs. 2,11,10,200/- (12 Major, Rs. 1,86,90,000/- and 28 Minor, Rs. 24,20,200/-) were funded by various Govt. agencies.
Increasing the sensitivity and awareness of students towards problems in the society such as water conservation, environmental problems, social awareness, etc.	Students encouraged to participate in cultural activities, sports and extension activities organized by the NSS unit. Some of the innovative extension activities include- Tree plantation under the aegis of “50 Crore Mega Tree Plantation Campaign” of the Department of Forestry, Health Check-up Camp for adjoining residential area, Swachhata Pakhwada under Rashtriya Swachhata Abhiyan, campus cleaning, cleaning inside the department buildings, hostels, mega cleanliness drive at “Buddha Vihar” near the foothills of a mountain near Aurangabad Caves, cleaning the streets in and around Aurangabad, rally for peace and equality “Samata Shanti Pad-yatra” on the occasion of Mahaparinirvan Din, water conservation in adopted village, Georai Kuber, (construction of Contour Trenches and Loose Boulder Structures), workshop on Fabrication of an economical Biogas Plant, street plays on

	prevention of female foeticide and farmers' suicide in village Georai Kuber; awareness program on health and hygiene for primary school children of Zilla Parishad Prashala, workshop on preparation of paper bags to stop use of plastic for primary school students of Zilla Parishad Prashala, lecture on "the 21 st Century Elixir of Life- <i>Spirulina</i> cultivation and farming associated business, village survey for groundwater and surface water; street plays on "Crimes and Crime investigations", folk song on Chhatrapati Shivaji Maharaj, workshop on "Production of smokeless charcoal from cellulosic waste, workshop on "Production of <i>Azolla</i> for cattle and poultry feed" Mega-cultural show for social awareness in the adopted village and Blood Donation Camp at adopted village Georai Kuber.
--	--

14. Whether the AQAR was placed before statutory body? Yes /No: Yes

Name of the statutory body: Staff Council

Date of meeting(s): 15-09-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?

Yes/No: No

Date: NA

16. Whether institutional data submitted to AISHE: Yes/No: Yes

Year: 2018-19

Date of Submission: 15/01/2019

17. Does the Institution have Management Information System?

Yes/No: Yes

If yes, give a brief description and a list of modules currently operational (Maximum 500 words)

The State Govt. and Universities are facing constantly changing problems, diverse managerial styles, and ever present information needs offer a challenging context for developing computer based information systems. To portray the status of higher education in Maharashtra State, Department of Higher and Technical Education, Govt. of Maharashtra has endeavored to collect higher educational statistics through web-based Management Information System. This covers all the Institutions in the State which are pertaining higher education in streams Arts, Science, Commerce, Education, Law and other Non-AICTE Courses. Data is being collected on several parameters (modules) such as teachers, student enrolment, programmes, examination results, education finance, infrastructure etc. This web based MIS uses computer technology to provide information and decision support to Universities and, helping them becomes more effective.

Part – B

CRITERION I- CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1 Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words.

The institute follows the curriculum designed by affiliating university viz. Dr Babasaheb Ambedkar Marathwada University, Aurangabad. While revision and up-gradation of the syllabi is done at the University level, the college has a mechanism for effective, documented curriculum delivery. At the commencement of each academic year, Director along with the IQAC coordinator and Heads of all the Departments conducts meeting to finalize the Institute Academic Calendar in alignment with that prescribed by the affiliating University. Based on this schedule the Heads of the each department conduct academic planning meeting to plan and organize the schedule of lectures and distributes the syllabus among the faculty members of their departments based on their subject expertise and interests. Time table at departmental level for every semester is prepared by the respective Heads of departments in consultation with the departmental faculty members. The faculty members are instructed by the head of departments to complete the syllabus within stipulated time. Teaching plan and the assignments for the semester are prepared by the respective subject in charge before the start of the new semester. Each Faculty in their initial lecture narrates the course objectives and outcomes of their subjects/disciplines in accordance with the university prescribed syllabus. Faculty members maintain attendance records of the students for theory and practical sessions. Faculty members are encouraged to impart the curriculum through innovative teaching methods such as presentations, case studies, group discussions, brainstorming, peer learning, quiz, real world learning, workshops, seminars, industrial visits and educational tours besides the traditional chalk and talk method. To support the needs of changing curriculum and pedagogy, the College infrastructure and facilities are continuously upgraded. We have well-equipped computer laboratories, library and classrooms with projection facilities for both faculty and students. In addition to traditional teaching methods the video lectures related to subjects from SWAYAM, e-PG-Pathshala, NPTEL, V Labs and other sites are observed to explore the subject thoroughly. Guest lectures are regularly arranged to bridge the gap in the prescribed curriculum. The traditional classroom teaching is supplemented by regular tests, tutorials, group discussions, extensive lab work, projects, seminars and industrial exposure by way of industry visits and summer training. We have a very rich central library with open access system and many departments have their Departmental libraries too for the benefit of the students. Some Journals are subscribed by our institute which help the students to explore it depth in the concerned topics. In addition, the institute encourages teachers to participate in Orientation/ Refresher Courses/ Faculty Development Program/Workshops/ Seminars so as to update their knowledge and to improve teaching practices for effective delivery of curriculum. The institute and faculty members adopt numerous policies for bridging the knowledge gap of the enrolled 'weak' students to enable them to cope with the programme of their choices as well as promote, reward and facilitate 'advanced' learners. This includes mentorship, tutorials, remedial teaching and felicitation. The entire approach is student centric emphasizing upon knowledge & skill enrichment. The subject/topic relevant reference notes, presentations, link addresses of important learning sites, e-books are delivered to the students. Continuous review of the progress of syllabus completion, performance of the students is done in the department level meetings. Student feedback is collected at the end of every semester and analyzed for suggesting improvements in the teaching.

1.1.2 Certificate/Diploma Courses introduced during the Academic Year

Name of the Certificate Course	Name of the Diploma Course	Date of introduction and duration	Focus on employability/entrepreneurs hip	Skill development
-	-	-	-	-

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic Year

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
-	-	-	-

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated colleges (if applicable) during the Academic Year

Name of Programmes adopting CBCS	UG	PG	Date of implementation of CBCS/Elective Course System	UG	PG
M.Sc.	-	Biophysics	30.05.2015	-	-
	-	Biotechnology	30.05.2015	-	-
	-	Botany	30.05.2015	-	-
	-	Geology	30.05.2015	-	-
	-	Microbiology	30.05.2015	-	-

Already adopted (mention the year): 2015-16

1.2.3 Students enrolled in Certificate/Diploma Courses during the year

	Certificate Courses	Diploma Courses
No. of students	-	-

1.3 Curriculum Enrichment

1.3.1 Value-added courses imparting transferable and life skills offered during the year

Value added courses	Date of introduction	Number of students enrolled
Pisciculture (under Service Course)	Semester III	70
Principles and methods in Archaeology (under Service Course)	Semester III	17
Communication English (under Service Course)	Semester III	08
Plant Tissue Culture (Under Service Course)	Semester III	04
Nanotechnology (under Service Course)	Semester III	01

1.3.2 Field Projects / Internships under taken during the year	
Project/Programme Title	No. of students enrolled for Field Projects/Internships
Department of Botany: Field explorations were organized as a part of curriculum.	40
Department of Geology: Field study and Mapping Tour around Matanumadh, DistBhuj, Gujrat State, accompanying staff- Dr. M. A. Sonar during 17.12.2017 to 27.12.2017.	13
Department of Geology: Field study and Mapping Tour around Aburoad, DistSirohi, Zawar mines, Dist. Udaipur, Rajasthan, accompanying staff- Dr. K. M. Wanjarwadkar. during 06.01.2018-17.01.2018.	18
Mr. Laxman Fakira Gadade, Department of Geology: Rock Magnetic studies of sediment cores from gas hydrate system in Bay ofBengal under the guidance of Dr. Firoz K. Badesab at NIO, Goa, during 15.01.2018 to 15.02.2018.	01
Mr. Muneeb Ur Rehman, Department of Geology: Magnetic and sedimentological studies on sediment core from gas Krishna Godavari Basin under the guidance of Dr. Firoz K. Badesab at NIO, Goa, during 15.01.2018 to 15.02.2018.	01
Department of Microbiology: Visit to sewage treatment plant, Nakshatrawadi, Paithan road, Aurangabad.	21
Department of Biophysics: Visit to radiotherapy, nuclear medicine and medical imaging centers in Semester IV for M.Sc. Part II students.	18
Department of Biotechnology: Visit to Sula Wineries, Nashik on 22.02.2018	34
Department of Biotechnology: Visit to Paul Hebert DNA Barcoding Lab, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 27.02.2018	40

1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	No	No	No	No

1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution (maximum 500 words)

The IQAC has developed its own feedback mechanism to evaluate the performance of the faculty as well as physical and academic facilities available in the Institute. A 100 marks questionnaire (Feedback Form) containing ten questions probing the teaching learning process is circulated to the students of each department at the end of academic session (Semester). The students then fill up the questionnaire in the presence of an IQAC member who ensures transparency in the process. Following parameters are included in the feedback form- Content of teaching, Adequacy of teaching methodology, Responsiveness to students queries, Stimulate interest, Regularity & Punctuality, Adequacy and effectiveness of Teaching Aids used (LCD/OHP/White board), Availability of Faculty after class hours for guidance, Completion of course on time, Availability of reference resources from the faculties.

Feedback form for Alumni also contains ten questions aimed at understanding the overall experience of the students with regard to the teaching learning environment, physical facilities and suggestions for the further improvement.

The feedback obtained from the parents probes the level of satisfaction of the parents in terms of facilities available in the Institute, learning environment, achievements of their ward, confidence level, and behavioral changes in the ward. The feedback also tries to know the willingness of the students and their parents to recommend other candidates to peruse higher education in our Institute.

The feedback forms are collected by designated IQAC members for analysis. The marks obtained by each faculty member of the concerned department are represented graphically to obtain the proficiency of the faculty with regard to their teaching skills. Accordingly faculty members are encouraged to adopt effective strategies to improve the quality of teaching-learning.

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1. 1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
M.Sc. Part I, Biophysics	20	Data not available *	18
M.Sc. Part I, Biotechnology	20	Data not available *	20
M.Sc. Part I, Botany	20	Data not available *	18
M.Sc. Part I, Geology	20	80	18
M.Sc. Part I, Microbiology	20	Data not available *	21
Total	100	Data not available *	95

* Data not available since admission process conducted by affiliating University.

2.2 Catering to Student Diversity

2.2.1. Student - Full time teacher ratio (current year data)= 9.15:1

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UGcourses	Number of full time teachers available in the institution teaching only PG courses	Number of Teachers teaching both UG and PG courses
2017-18	NA	186	NA	20	NA

2.3 Teaching - Learning Process					
2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)					
Number of teachers on roll	Number of teachers using ICT (<i>LMS, e-Resources</i>)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
5	Microbiology- ICT enabled lectures (6 teachers), Moodlecloud (2 teachers)	Powerpoint presentations	00	00	PDFs, HTML documents and videos downloaded from the internet.
4	Botany- ICT enabled lectures	Powerpoint presentations,	00	00	PDFs, HTML documents and videos downloaded from the internet.
5	Biotechnology- ICT enabled lectures	Powerpoint presentations,	00	00	PDFs, HTML documents and videos downloaded from the internet.
2	Geology	Powerpoint presentations	00	00	PDFs, HTML documents and videos downloaded from the internet.
3	Biophysics	Powerpoint presentations	00	00	PDFs, HTML documents and videos downloaded from the internet.
2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)					
<p>All departments execute the teaching-learning activity through lectures, tutorials, practical sessions using online and offline resources. Additionally students are given exposure to the recent developments in the respective subjects through organization of guest lectures, field visits, excursions, industry visits, visits to other departments, summer trainings and participation in conferences, workshops, poster/oral presentations.</p> <p>Microbiology Department: the department has appointed mentors for each class, viz. Dr. Ajay Jadhav and Dr. J. J. Bukhtar for M.Sc. I, respective project/dissertation guides for M.Sc. II and Prof. U. K. Patil and Dr. S. A. Peshwe for Ph.D. students. The mentors/teachers help in solving difficulties of the students. A special session on Literature Searching was arranged for students of M.Sc. I and II in the Central Library of the Institute by Dr. A. V. Pethkar in order to make students aware of the vast collection of books, periodicals and back volumes available the library. Student also work as mentors to deliver short presentations and explain important concept in the class.</p>					

Biophysics Department: Every academic session is suffixed with a Q&A session to resolve difficulties of students. The students are personally attended through Mentor-Mentee academic interactions to resolve problems in study styles, understanding of concepts, rejuvenating reading and writing skills. The necessary basic soft skills, basic background information, career counseling, National fellowship and competitive examination guidance are prominent activities during mentoring process.

Biotechnology: All the faculties are mentoring students in diverse orientation for overall development of the students. The enhancement of basic soft skills, career counseling, international and national fellowships and competitive examination guidance are prominent activities during mentoring process. Students are encouraged to take participation in various event like workshop, conferences, debates etc. Much focus is given on preparation of students for competitive exams and their placements. Some innovative teaching-learning processes adopted by Mrs. P. M. Sonawane are- (i) Cross over teaching- educational trip, (ii) Learning through flipped classroom- students develop concept from resources provided and deliver to the class, and (iii) Teaching through collaboration- students work together on group assignments.

Botany Department: since most of the students are from rural background, they are counseled, oriented and consistently attended for their academic need. The staff gives an extra time on weekends to weak students for their academic queries, if any. Students are mentored one-to-one for their projects and dissertations.

Geology Department: two teachers are assigned work as mentors for the students, viz. Dr. M.A. Sonar (Assistant Professor) for the first year and Dr. K.M. Wanjarwadkar (Associate Professor) for the second year. The mentors give personal attention to students, monitor their attendance, encourage them to be attentive and regular in theory classes and practical and also evaluate the students for internal tests. Slow learners are given individual counseling and are motivated to improve their performance. Faculty members encourage students to refer reference books in the Central Library and collect supplementary reading materials from the web for getting in-depth knowledge. The faculty members impart training on applied aspects through on-field mentoring and prepare students for a career as professional geologists.

In order to nurture a research environment environment, the faculty members encourage students to participate actively in conferences, seminars, workshops, summer/winter training, National Science day function, etc. Academic ties with professional and academic institutions have enabled students to visit the organizations for summer trainings. Dr. K.M. Wanjarwadkar motivates students for success in various Geosciences examinations, viz. SET, CSIR-NET, GATE, Geoscientist Examination conducted by UPSC, etc. as wells as for career opportunities.

2.4 Teacher Profile and Quality

2.4.1 Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D.
35	21	14	00	12

2.4.2 Honours and recognitions received by teachers

(received awards, recognition, fellowships at State, National, International level from Government, recognized bodies during the year)

<i>Year of award</i>	<i>Name of full time teachers receiving awards from state level, national level, international level</i>	<i>Designation</i>	<i>Name of the award, fellowship, received from Government or recognized bodies</i>
2018	Dr. Mrs. S. M. Dharmadhikari International Level	Associate Professor, Microbiology	Presented research paper in International conference at Nanyang Technical University, Singapore.
April 2018	Dr. M. A. Sonar International Level	Assistant Professor, Geology	A bryozoans genus is named after the faculty member in recognition for his Research in the field of paleontology
2018	Dr. A. V. Pethkar, National level	Associate Professor, Microbiology	Distinguished Faculty Award, awarded by Indo-Global Chamber of Commerce, Industries and Agriculture, Pune, on 04-02-2018, at Hotel Aurora Towers, Pune.
Since 2016	Shri. S. G. Kulkarni, National level	Associate Professor, Biophysics	Nominated as Member of INSA-IUPAB National Committee (Jan. 2016 to Dec. 2019).
Since 17 October 2016	Dr. Mrs. Aruna S. Vinchurkar, International Level	Associate Professor, Biophysics	Membership of International Association of Engineers, Hong Kong

Evaluation Process and Reforms

2.5.1 Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester-end/ year- end examination
M.Sc. Biophysics	-	Part I, Sem I Part II, Sem III	Oct. 2017	23 Feb. 2018
M.Sc. Biophysics	-	Part I, Sem II Part II, Sem IV	Mar/Apr. 2018	14 June 2018
M.Sc. Biotechnology	-	Part I, Sem I Part II, Sem III	Oct. 2017	8 Mar. 2018
M.Sc. Biotechnology	-	Part I, Sem II Part II, Sem IV	Mar/Apr. 2018	14 June 2018
M.Sc. Botany	-	Part I, Sem I Part II, Sem III	Oct. 2017	8 Mar. 2018
M.Sc. Botany	-	Part I, Sem II Part II, Sem IV	Mar/Apr. 2018	14 June 2018
M.Sc. Geology	-	Part I, Sem I Part II, Sem III	Oct. 2017	23 Feb. 2018
M.Sc. Geology	-	Part I, Sem II Part II, Sem IV	Mar/Apr. 2018	14 June 2018
M.Sc. Microbiology	-	Part I, Sem I Part II, Sem III	Oct. 2017	8 Mar. 2018
M.Sc. Microbiology	-	Part I, Sem II Part II, Sem IV	Mar/Apr. 2018	14 June 2018

2.5.2 Reforms initiated on Continuous Internal Evaluation(CIE) system at institutional level (250 words)

Institutional Level- Two internal assessment tests are conducted in each semester by the Internal Exam Coordination Unit. A common examination schedule is prepared for all departments. The seating arrangement for the examination is such that students of a particular department take the examination in a different department in order to maintain discipline and prevent any misconduct during examination. For good year-round performance of the students, flexibility is given to every department to evaluate students on the basis of their daily attendance in theory classes and active participation in laboratory practical sessions, participation and attendance in seminar presentations, assignments, tutorials, MCQ tests, etc.

2.5.3 Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The academic calendar was prepared as per the University Calendar and all academic, co-curricular and extra-curricular as well as extension activities were conducted by adhering to the academic calendar during the entire academic year. The internal examination in the form of tests/assignments/tutorials/seminars are conducted as per the academic calendar of the Institute.

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<http://www.inosca.org/iqac/course-outcome-biophysics.pdf>

<http://www.inosca.org/iqac/course-outcome-biotechnology.pdf>

<http://www.inosca.org/iqac/course-outcome-botany.pdf>

<http://www.inosca.org/iqac/course-outcome-geology.pdf>

<http://www.inosca.org/iqac/course-outcome-microbiology.pdf>

2.6.2 Pass percentage of students

Programme Code	Program name	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
-	M. Sc. Biophysics	12	12	100.00
-	M. Sc. Biotechnology	18	18	100.00
-	M. Sc. Botany	22	16	72.72
-	M. Sc. Geology	17	13	76.47
-	M. Sc. Microbiology	16	13	81.25

2.7 Student Satisfaction Survey

2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://www.inosca.org/iqac/sss-2017-18.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION				
3.1 Resource Mobilization for Research				
3.1.1 Research funds sanctioned and received from various agencies, industry and other organisations				
Nature of the Project	Duration	Name of the Funding Agency	Total grant sanctioned	Amount received during the Academic year
Major projects	-	-	-	-
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored Projects	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students Research Projects (<i>other than compulsory by the College</i>)	-	-	-	-
International Projects	-	-	-	-
Any other(Specify)	-	-	-	-
Total	-	-	-	-
3.2 Innovation Ecosystem				
3.2.1 Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year				
Title of Workshop/Seminar		Name of the Dept.	Date(s)	
Overview of Pharma Industries and required skill sets by Mr. Laxmikant Rathi, HR, Wokhardts Pvt.Ltd,Aurangabad		Placement Cell and Department of Biotechnology	07/08/2017	
Interview skills and Soft skills for pharma sectors by Mr. Nitin Nage, Research Scientist R&D, Sun Pharma Ahmadabad		Placement Cell and Department of Biotechnology	22/12/2017	
3.2.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year				
Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
Teachers				
Membership of International Association of Engineers, Hong Kong	Dr. Mrs. Aruna S. Vinchurkar (Associate Professor), Department of Biophysics)	International Association of Engineers, Hong Kong	17-10-2016	International Level

Presented research paper in International conference at Nanyang Technical University, Singapore.	Dr. Mrs. S. M. Dharmadhikari	Associate Professor, Microbiology	19-06-2017 to 23-06-2017	International Level
PG Students				
Best paper presentation Prize	Mr. Laxman Gadade (PG Student), Department of Geology	GEOYOUTH-2018". 8 th All India students Symposium on Geology at M.S. University, Udaipur on	26-02-2018 to 27-02-2018	National Level
3 rd Prize, 1 st National Symposium by Students of MGM IBT on 'The Age of Biotechnology'.	Ms. Shraddha Kavishwar and Ms. Shweta Deshpande (PG Students), Department of Biotechnology	MGM's Institute of Bioscience & Technology, Aurangabad.	28-01-2017	National Level
Selection for Summer Training	Mr. Bhausaheb Kature (PG Student), Department of Biotechnology	School of Life Sciences, Jawaharlal Nehru University, New Delhi.	29/05/2017	National Level
2 nd Prize, 5 th Pro-Co State Level Poster Competition on 'Bioenergy for Better Tomorrow'.	Ms. Shraddha Kavishwar and Ms. Shweta Deshpande (PG Students), Department of Biotechnology	Dept. of Microbiology, DSM College of Arts, Commerce & Science, Parbhani.	27-01-2017	State Level
3 rd Prize, 6 th SAM-PO-CO, State Level Poster Competition	Mr. Suraj Deshpande and Mr. Kishor Kadam, (PG Students), Department of Microbiology	Dept. of Microbiology, DSM College of Arts, Commerce & Science, Parbhani.	27-01-2018	State Level
Participation in 5 th Pro-Co State Level Poster Competition on 'Bioenergy for Better Tomorrow'.	Ms. Monika Gore (PG Student), Department of Biotechnology			
Paper presentation in State Level Seminar on Current Scenario of Botanical Research	Somnath Kadam (PG Student), Department of Botany	Shri Shivaji College of Arts, Commerce and Science, Akola	02-02-2018	State Level
Participation in 1 st National Symposium by Students of MGM IBT on 'The Age of Biotechnology'.	Ms. Monika Gore (PG Student), Department of Biotechnology	MGM's Institute of Bioscience & Technology, Aurangabad.	28-01-2017	State Level
Participation in National Science Day- Poster Presentation	Mr. Mayur Kille (PG Student), Department of Geology	Garware Balbhavan, Aurangabad.	28-02-2017	Local Level

On-line course on “Technical Communication for Scientist & Engineers”	Ms Arati Torad, (PG Student, Department of Biophysics)	IIT Bombay.	18-11-2016	Local Level
On-line course on “Technical Communication for Scientist & Engineers”	Ms. Shital Vaijapurkar (PG Student, Department of Biophysics)			
On-line course on “Technical Communication for Scientist & Engineers”	Mr. Pradeep Galande, (PG Student, Department of Biophysics)			
Intercollegiate One Month Certificate Course on Plant Tissue Culture: A Tool in Biotechnology.	Ms. Shaikh Qurratulain (PG Student, Department of Microbiology)	Shivchhatrapati College, Aurangabad.	1.09.2017 to 28.09.2017	Local Level
Participation in Workshop on Advance Techniques in Molecular Biology.	Ms. Shaikh Qurratulain (PG Student, Department of Microbiology)	Dept. of Microbiology, Govt. College of Arts and Science, Aurangabad, and BioEra Life Sciences Pvt. Ltd., Pune	10.02.2018	Local Level

3.2.3 No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Centre	Nature	Sponsored by
Nil	Nil	None
Name of the Start-up	Nature of Start-up	Date of commencement
Nil	Nil	Nil

3.3 Research Publications and Awards

3.3.1 Incentive to the teachers who receive recognition/awards

State	National	International
Nil	Nil	Nil

3.3.2 Ph. Ds awarded during the year (*applicable for PG College, Research Center*)

Name of the Department	No. of Ph. Ds Awarded
Microbiology- Mrs. Sarika Girdhari under the guidance of Dr. Mrs. S. A. Peshwe	01
Botany- Ms. Hase Vijata B. under the guidance of Prof. Sahera Nasreen, July 14, 2017	06
Ms. Farhana Jabin Ad. Abdul Hai under the guidance of Prof. Sahera Nasreen, July 24, 2017	
Mr. Digambar Subhashrao Pawaar under the guidance of Prof. Sahera Nasreen, July 24, 2017	
Mr. Pathan Yahyakhani Amirkhan under the guidance of Prof. Sahera Nasreen, August 10, 2017	
Mr. Balasaheb Gavhane under the guidance of Prof. Sahera Nasreen	
Anil Adsare under the guidance of Dr. A. N. Salve	
Geology- Miss. Priti R. Tribhuvan under the guidance of Dr. M. A. Sonar	01
Total	08

3.3.3 Research Publications in the Journals notified on UGC website during the year			
	Department	No. of Publication	Average Impact Factor, if any
National			
International			
Biotechnology	Indarchand R. Gupta	Rai, M., Ingle, A.P., Pandit, R., Paralikar, P., Gupta, I., Chaud, M.V., dos Santos C.A. (2017) Broadening the spectrum of small-molecule antibacterials by metallic nanoparticles to overcome microbial resistance. International Journal of Pharmaceutics. 532(1):139-148.	Impact Factor: 4.213. Total Citations: 25.
	Indarchand R. Gupta	Rai, M., Ingle, A.P., Paralikar, P., Gupta, I., Medici, S., Santos, C.A. (2017) Recent advances in use of silver nanoparticles as antimalarial agents. International Journal of Pharmaceutics. 526(1-2):254-270.	Impact Factor: 4.213. Total Citations: 42.
Botany	Dr. A. N. Salve	N. P. Patil and A. N. Salve, Study on genetic variability for the quantitative traits in some genotypes of upland cotton (<i>Gossypium hirsutum</i> L.), Bioscience Discovery pp. 365 -368, 8 (3), ISSN - 2229-3459 (print)	Global IF 0.38
	Dr. A. N. Salve	Anil D. Adsare, Narendrakumar Prakash Patil, Abhay N. Salve, Genetic divergence study in Cotton (<i>Gossypium hirsutum</i> L.), International Journal of Biology Research 2(2): 37-38. (2017).	
	Dr. A. N. Salve	Anil D. Adsare and Abhay N. Salve, Heterosis studies for quantitative traits in interspecific hybrids of cotton (<i>Gossypium hirsutum</i> L. × <i>Gossypium barbadense</i> L.), <i>Journal of Phytology</i> , 9: 11-14, (2017), ISSN: 2075-6240	NAAS Score 4.03
	Dr. A. N. Salve	Anil D. Adsare, Narendrakumar Prakash Patil, Abhay N. Salve, Heterosis in American cotton (<i>G. hirsutum</i> L.) for jassid resistance and its contributing characters, International Journal in Physical and Applied Sciences (2017), 4 (4), 16-22.	
	Dr. A. N. Salve	Anil D. Adsare, Patil N. P., A. N. Salve,	

		Combining ability studies over environments for sucking pests and yield in upland cotton, Journal of Global Biosciences, (2017), 6 (4), 4918- 4934, ISSN 2320-1355.	
	Dr. A. N. Salve	Salve A. N. and Adsare Anil Devidas, Study of genetic variability, heretability and genetic advance in some genotypes of Egyptian cotton (<i>Gossypium barbadense</i> L.), Journal of Global Biosciences 6 (4), 4954-4957.	
	Dr. A. N. Salve	Wandhre S. P., A. N. Salve, Studies on effect of aqueous extract of blue green algae on seed germination in <i>Arachis hypogea</i> Var. Phule Kranti, Flora and Fauna (2017), 23 (2 (2)), 232 -233.	
	Dr. M. N. Bokhad	Bokhad M. N., S. P. Rothe, V. W. Patil and V. J. Parsodkar. Phytochemical Investigations of <i>Argyreia cymosa</i> (Roxb.) Sweet: An Unexplored Medicinally Important Lianas, <i>Bioscience Discovery</i> , 2018, 9(2), 264-268.	
	Dr. M. N. Bokhad	Bokhad M. N., S. P. Rothe, V. W. Patil and V. J. Parsodkar. Pharmacognostic investigation of <i>Argyreia cymosa</i> (Roxb.) Sweet: An unexplored medicinally important liana, Aayushi International Interdisciplinary Research Journal (AIIRJ), 2018, 25, 762-770.	
	Shri. V. W. Patil	Bokhad M. N., S. P. Rothe, V. W. Patil and V. J. Parsodkar. Phytochemical Investigations of <i>Argyreia cymosa</i> (Roxb.) Sweet: An Unexplored Medicinally Important Lianas, <i>Bioscience Discovery</i> , 2018, 9(2), 264-268.	
	Shri. V. W. Patil	Bokhad M. N., S. P. Rothe, V. W. Patil and V. J. Parsodkar. Pharmacognostic investigation of <i>Argyreia cymosa</i> (Roxb.) Sweet: An unexplored medicinally important liana, Aayushi International Interdisciplinary Research Journal (AIIRJ), 2018, 25, 762-770.	
	Ms. V. J. Parsodkar	Bokhad M. N., S. P. Rothe, V. W. Patil and V. J. Parsodkar. Phytochemical Investigations of <i>Argyreia cymosa</i> (Roxb.) Sweet: An Unexplored Medicinally Important Lianas, <i>Bioscience Discovery</i> , 2018, 9(2), 264-268.	

	Ms. V. J. Parsodkar	Bokhad M. N., S. P. Rothe, V. W. Patil and V. J. Parsodkar. Pharmacognostic investigation of <i>Argyreia cymosa</i> (Roxb.) Sweet: An unexplored medicinally important liana, Aayushi International Interdisciplinary Research Journal (AIIRJ), 2018, 25, 762-770.	
Biophysics	Dr. A. S. Vinchurkar	Ithishree Haekwad, Vinchurkar A. S., Isolation and identification of nicotine utilizing bacterial species from tobacco leaves, International Research Journal of Pharmacy, 9(1), 2018.	
	Dr. A. S. Vinchurkar	Pravin Dhepe and Aruna Vinchurkar, Effect of vitamin-E supplementation on electrophysiological parameters of median nerve in polyneuropathic type 2 of diabetes mellitus patients, Medica Innovatica, Jan-Jul 2017, 6(1), 4-9, ISSN 2278-7526.	
	Dr. A. S. Vinchurkar	Vinchurkar A.S., Valsange A.B., Mane P. P., Sonawane S. R. and Dama L. B., Production and recovery of hydrolyzing enzymes using compost soil bacterial isolates <i>Bacillus cereus</i> strain ABV13, Trends in Life Sciences, 2017, 6 (1), 24-29, ISSN 2319-4731.	
	Dr. A. S. Vinchurkar	Anita Dabhade, Aruna Vinchurkar and Laxmikant Dama, Effect of various media alternatives on in vitro propagation of banana (G-9) through tissue culture, Contemporary Research in India (2018), ISSN- 2231-2137.	
	Dr. A. S. Vinchurkar	Valsange A. B., Vinchurkar A. S., Dama I. B., Gaikwad N. G and Dama S. B., Anti-inflammatory activity of some crude medicinal plant extracts, Contemporary Research in India (2018), 1(1), 35-37, ISSN- 2231-2137, UGC-approved journal no. 62441.	
	Dr. A. S. Vinchurkar	AS Vinchurkar, SR Sonawane, PP Mane, LB Dama, Study of factors influencing <i>Agrobacterium</i> mediated genetic transformation in <i>Vigna unguiculata</i> , Trends in Biotechnology Research, 2017, 6(1), 9-12, ISSN 2320-0421(p); ISSN 2320-043X(e).	
	Dr. A. S. Vinchurkar	Gitanjali Kale, Aruna Vinchurkar, A review on synthesis of ZnO nanoparticles using plant extracts, International Journal for Innovative Research in Multidisciplinary Field (2017), 3(12).	

	Dr. A. S. Vinchurkar	A. S. Vinchurkar, L. B. Dama, P. S. Kulkarni, Screening for larvicidal activity of <i>Jatropha Curcas</i> plant extracts against <i>Aedes Aegypti</i> , Open Access International Journal of Science and Engineering, (2017), 2(12), 49-51, ISSN (online) 2456-3293.	5.909
	Dr. A. S. Vinchurkar	Ingole, V. H., Hany Hussein K., Kashale, A. A., Ghule K., Vuherer, T. Z., Kokol, V., Chang, J. Y., Ling, Y. C., Vinchurkar, A., Dhakal, H. N., Ghule, A. V. (2017), Ultrasound assisted green economic synthesis of hydroxyapatite nanoparticles using eggshell biowaste and study of mechanical and biological properties for arthopedic applications, Journal of Biomedical Material Research, Part A. 105 (11), 2935-2947.	
Microbiol.	Dr. Mrs. S. A. Peshwe	Zine A.S and S.A. Peshwe, Screening and optimization of nutritional conditions for enhanced mannanase production by <i>Streptomyces</i> Sp. AZA12, International journal of Advanced research6(2), 174-181 (2018), 2320-5407 UGC approved.	IF 6.118
	Dr. Mrs. S. A. Peshwe	Zine A.S and S.A. Peshwe, Isolation, screening and Identification of fungal Mannanase producer, International Journal of Current Research in Life Sciences 7(02), 1093-1097(2018), ISSN No. 2319-9490, UGC approved	IF 5.379
	Dr. Mrs. S. A. Peshwe	Gene Sequence deposition: 1. A.S. Zine and S.A. Peshwe, <i>Streptomyces flaveous</i> AZA12 (Mannanase Production), acc. no. KY212951. 2. S.N. Girdhari and S.A.Peshwe, <i>Streptomyces variabilis</i> (Tannase production), acc. no. KY 214403.	
	Prof. U. K. Patil	Ulhas Patil, Narendra Mokashe, Jasmita Shaha, Sarika Arthekar, Harshada Jagatap, Ultrasound-assisted improvements in biocatalytic activity and production of organic-solvent stable protease from <i>Bacillus circulans</i> MTCC 7942, Ultrasonics-Sonochemistry 40 (January 2018), 201-205. Scopus indexed.	IF 4.0

Geology	Dr. M. A. Sonar	M. A. Sonar, Some fossil species of catenicellid and schiziporelloid bryozoans from the Cenozoic Sediments of Western Kachchh, Gujarat, India, Journal of Pal. Soc. India, 62 (1), 30 June, 2017 SCOPUS, indexed	IF 0.994
	Dr. S. M. Deshpande	S. M. Deshpande, Electrical resistivity method for groundwater exploration: a case study of Ganori village area, Aurangabad Dist., Maharashtra, India, (2018, accepted 10-02-2018, Bulletin of Pure and Applied Sciences (Geology), 37F (02): 125-137.	5.195 (2018)
	Dr. S. M. Deshpande	M.S. Dube, S.M. Deshpande, G.D. Gaikwad, A. Dongre, Fluoride contaminated groundwater from Warora area of Chandrapur Dist., Central India: groundwater geochemistry and comments on the source of fluoride, Journal of Applied Geochemistry, 20 (01), 123-132.	2.790
	Dr. S. M. Deshpande	S. M. Deshpande and G.D. Gaikwad, Fluoride geochemistry of groundwater from Rajura, Korpana tehsil of Chandrapur District, Maharashtra, India, Bionano Frontier, 10 (2), 1-6	-
Library	Dr. S. P. Bidarkar	S. P. Bidarkar, Social networking and libraries, (Sep-Oct 2017), Knowledge Librarian, 4(3): 11-15.	5.522
	Dr. S. P. Bidarkar	S. P. Bidarkar, Process of reengineering in academic libraries (Jan-Feb 2018), Knowledge Librarian, 5(1): 170-175. ISSN 2394-2479	5.522
	Dr. S. P. Bidarkar	S. P. Bidarkar, Bibliometric study of Journal of Geological Society of India (Jan-Mar 2018), Vidya Warta, 16(22):	5.131

3.3.4 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	No. of publication
Biotechnology- Dr. I. R. Gupta	<p>Gupta, I., Ingle, A., Paralikar, P., Pandit, R., da Silva, S.S., and Rai, M. (2017) Bio-distribution and toxicity of noble metal nanoparticles in humans, <i>In</i> Metal Nanoparticles in Pharma, Eds. Mahendra Rai, Ranjita Shegokar, Springer, Cham, pp 469-482.</p> <p>Gupta I., Ingle, A.P., Gaikwad, S., Shende, S., Paralikar, P., Pandit, R., and Rai, M. (2017) Nanoparticles as therapeutic agent for treatment of bacterial infections, <i>In</i> Essential oils and nanotechnology for treatment of microbial diseases, Eds. Susana</p>

	<p>Zacchino, Mahendra Rai, Marcos Derita, CRC Press, Boca Raton, pp 191-208.</p> <p>Rai, M., Ingle, A.P. , Pandit, R., Paralikar, P., Gupta, I., Anasane, N., Dolenc-Voljč, M. (2017) Nanotechnology for the treatment of fungal infections on human skin, <i>In The microbiology of skin, soft tissue, bone and joint infections</i>, Eds. Kateryna Kon, Mahendra Rai, Academic Press, London, United Kingdom, pp 169-184.</p> <p>Ingle, A., Gupta, I., Duran, N., and Rai, M. (2017) Nanotherapy: a next generation hallmark for combating cancer, <i>In Nanostructures for Cancer Therapy</i>, A. Ficaí and Alexandru Mihai Grumezescu (Eds.), Elsevier Amsterdam Netherlands, pp 811-824.</p> <p>Ingle, A.P., Paralikar, P., Pandit, R., Anasane, N., Gupta, I., Rai, M. (2017) Nanoformulations for wound infections, <i>In Nanotechnology Applied To Pharmaceutical Technology</i>, Eds. Mahendra Rai, Alves dos Santos C. (eds). Springer, Cham, 223-246.</p> <p>Gupta, I., Gaikwad, S., Ingle, A., Kon, K., Duran, N., and Rai, M. (2016) Nanotoxicity: A Mechanistic Approach. In <i>Biological and Pharmaceutical Applications of Nanomaterials</i>. Ed. Polina Prokopovich. CRC Press, USA: pp 391-408</p>
--	---

Geology- Dr. K. M. Wanjarwadkar	Tarun Koley, Amitava Lahiri, K.M. Wanjarwadkar and C.S.Anju, Palaeocene Faunal Events and Fossil Records of Andaman Islands, India, In: <i>The Indian Paleogene</i> , Sunil Bajpai, Satish C. Tripathi Vandana Prasad (eds.), ISSN 2194-9204 ISSN 2194-9212 (electronic), Society of Earth Scientists Series, ISBN 978-3-319-77442-8
------------------------------------	--

3.3.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index

3.3.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h5-index	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Broadening the spectrum of small-molecule antibacterials by metallic nanoparticles to overcome microbial resistance.	Gupta, I.	International Journal of Pharmaceutic, 532(1):139-148.	2017	73	25	Institute of Science, Aurangabad	25
Recent advances in use of silver nanoparticles as antimalarial agents	Gupta, I.	International Journal of Pharmaceutics. 526(1-2):254-270.	2017	73	42	Institute of Science, Aurangabad	42

Study on genetic variability for the quantitative traits in some genotypes of upland cotton (<i>Gossypium hirsutum</i> L.)	Dr. A. N. Salve	Bioscience Discovery pp. 365 -368, 8 (3),ISSN -2229-3459 (print)	2017	00	05	Institute of Science, Aurangabad	05 Global IF 0.38
Genetic divergence study in Cotton (<i>Gossypium hirsutum</i> L.)	Dr. A. N. Salve	International Journal of Biology Research 2(2) : 37-38. (2017).	2017	00	00	Institute of Science, Aurangabad	00
Heterosis studies for quantitative traits in interspecific hybrids of cotton (<i>Gossypium hirsutum</i> L. <i>Gossypium barbadense</i> L.)	Dr. A. N. Salve	Journal of Phytology 9 : 11-14. (2017), ISSN: 2075-6240	2017	00	06	Institute of Science, Aurangabad	06 NAAS Score 4.03
Studies on effect of aqueous extract of blue green algae on seed germination in <i>Arachis hypogea</i> Var. Phule Kranti	Dr. A. N. Salve	Flora and Fauna 232-233, 23 (2)	2017	00	00	Institute of Science, Aurangabad	00
Study of genetic variability, heritability and genetic advance in some genotypes of Egyptian cotton (<i>Gossypium barbadense</i> L.)	Dr. A. N. Salve	Journal of Global Biosciences 6(4): pp. 4954-4957	2017	00	00	Institute of Science, Aurangabad	00
Combining ability studies over environments for sucking pest and yield in upland cotton	Dr. A. N. Salve	Journal of Global Biosciences 6(4): pp. 4918-4934	2017	00	00	Institute of Science, Aurangabad	00
Phytochemical Investigations of <i>Argyrea cymosa</i> (Roxb.) Sweet: An Unexplored Medicinally Important Lianas	Dr. Bokhad M.	Bioscience Discovery, 9(2), 264-268.	2018	00	00	Institute of Science	00

Pharmacognostic investigation of <i>Argyreia cymosa</i> (Roxb.) Sweet: An unexplored medicinally important liana	Dr. Bokhad M..	Aayushi International Interdisciplinary Research Journal (AIIRJ), 25, 762-770.	2018	00	00	Institute of Science	00
Phytochemical Investigations of <i>Argyreia cymosa</i> (Roxb.) Sweet: An Unexplored Medicinally Important Lianas	V. W. Patil	Bioscience Discovery, 9(2), 264-268.	2018	00	00	Institute of Science	00
Pharmacognostic investigation of <i>Argyreia cymosa</i> (Roxb.) Sweet: An unexplored medicinally important liana,	V. W. Patil	Aayushi International Interdisciplinary Research Journal (AIIRJ), 25, 762-770.	2018	00	00	Institute of Science	00
Phytochemical Investigations of <i>Argyreiacymosa</i> (Rox b.) Sweet: An Unexplored Medicinally Important Lianas	Ms. V. J. Parsodkar	Bioscience Discovery, 9(2), 264-268.	2018	00	00	Institute of Science	00
Pharmacognostic investigation of <i>Argyreiacymosa</i> (Roxb.) Sweet: An unexplored medicinally important liana,	Ms. V. J. Parsodkar	Aayushi International Interdisciplinary Research Journal (AIIRJ), 25, 762-770.	2018	00	00	Institute of Science	00
Isolation and identification of nicotine utilizing bacterial species from tobacco leaves	Dr. A. S. Vinchurkar	International Research Journal of Pharmacy, 9(1).	2018	00	00	Institute of Science	00
Effect of various media alternatives on in vitro propagation of banana (G-9) through tissue culture,	Dr. A. S. Vinchurkar	Contemporary Research in India, ISSN-2231-2137.	2018	00	00	Institute of Science	00

Anti-inflammatory activity of some crude medicinal plant extracts,	Dr. A. S. Vinchurkar	Contemporary Research in India, 1(1), 35-37, ISSN- 2231-2137, UGC-approved journal no. 62441.	2018	00	00	Institute of Science	00
A review on synthesis of ZnO nanoparticles using plant extracts,	Dr. A. S. Vinchurkar	International Journal for Innovative Research in Multidisciplinary Field, 3(12).	2017	00	00	Institute of Science	00
Screening for larvicidal activity of Jatropha Curcas plant extracts against Aedes Aegypti,	Dr. A. S. Vinchurkar	Open Access International Journal of Science and Engineering, 2(12), 49-51, ISSN (online) 2456-3293.	2017	00	00	Institute of Science	00
Ultrasound assisted green economic synthesis of hydroxyapatite nanoparticles using eggshell biowaste and study of mechanical and biological properties for arthopedic applications	Dr. A. S. Vinchurkar	Journal of Biomedical Material Research, Part A.	2017	57	14	Institute of Science	14
Screening and optimization of nutritional conditions for enhanced mannanase production by Streptomyces Sp. AZA12	Dr. S. A. Peshwe	International Journal of Advanced Research, 6(2), 174-181, 2320-5407, UGC approved	2018	00	00	Institute of Science	00
Isolation, screening and Identification of fungal Mannanase producer,	Dr. S.A. Peshwe	International Journal of Current Research in Life Sciences 7(02), 1093-1097, ISSN No. 2319-9490, UGC approved	2018	00	01	Institute of Science	01

Gene Sequence deposited: <i>Streptomyces flaveous</i> AZA12 (Mannanase Production), acc. no. KY212951.	Dr. S.A. Peshwe	-	2018	00	00	Institute of Science	00
Gene Sequence deposited: <i>Streptomyces variabilis</i> (Tannase production), acc. no. KY 214403.	Dr. S. A. Peshwe	-	2018	00	00	Institute of Science	00
Some fossil species of catenicellid and schiziporelloid bryozoans from the Cenozoic Sediments of Western Kachchh, Gujarat, India.	Dr. M. A. Sonar	Journal of Pal. Soc. India, V.62 No.1, 30, SCOPUS indexed.	2017	00	01	Institute of Science	01
Electrical resistivity method for groundwater exploration: a case study of Ganori village area. Aurangabad Dist., Maharashtra, India,	Dr. S. M. Deshpande	Bulletin of Pure and Applied Sciences (Geology), 37F (02): 125-137.	2018, accepted 10-02-2018,	00	00	Institute of Science	00
Fluoride contaminated groundwater from warora area of Chandrapur Dist., Central India: groundwater geochemistry and comments on the source of fluoride.	Dr. S. M. Deshpande	Journal of Applied Geochemistry, 20 (01), 123-132	2018	06	00	Institute of Science	00
Decolorization of synthetic dyes by microbial crude laccase.	Dr. Mrs. M. S. Patil	Bioscience Discovery, 9(1):19-24, ISSN: 22293469 (Print); ISSN: 2231--024X (Online).	Jan. 2018	00	00	Institute of Science	0.675 Global Impact factor

Phytochemical and in-vitro antioxidant activity of <i>Citrus medica</i> .	Dr. Mrs. Mayavati S. Patil	European Journal of Biomedical and Pharmaceutical Sciences, 5 (2), 697-702.	2018	00	00	Institute of Science	SJIF Impact Factor 4.382
---	----------------------------	---	------	----	----	----------------------	--------------------------

3.3.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
See above	See above	See above	See above	See above	See above	See above

3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	Dr. M. S. Patil, International workshop on, 'Modern Biophysical Tools and Techniques', held at Indian Institute of Technology Bombay, Mumbai during December 11-15, 2017.		Shri. V. W. Patil, One day State Level Workshop on Current Amendments in Academic Performance Indicator (API) for College Teachers and Developing E-content, organized by Elphinstone College, Mumbai, on 29 November, 2017.	Mrs. P. M. Sonawane, Instrumental methods of Chemical Analysis, 6 th April 2018, Organized by Agharkar Research Institute, Pune, at Agharkar Research Institute, Pune.
	Shri. V. W. Patil, International Conference on 'Recent Trends in Science and Technology, on 22-23 March, 2018 organized by Innani Mahavidyalaya, Karanja Lad, Dist-Washim (M.S.).		Dr.R.P.Bhagat, One day State Level Workshop on Current Amendments in Academic Performance Indicator (API) for College Teachers and Developing E-content, organized by Elphinstone College, Mumbai, on 29 November, 2017	Dr. H. J. Wankhede, UGC sponsored "Principals' Meet" on Quality Administration in Higher Education, organized by UGC-Human Resource Development Centre, Dr. BAM University, Aurangabad on 2nd August, 2017.

Presented papers	Dr. A. N. Salve, International Conference on Algal diversity, ACSC, Parner, 29-30 Dec. 2017	Dr. R. P. Bhagat, Screening of Plant Metabolite as A Herbal Antidote, National Conference on Use of Plants and Microbes for Green Biotechnology 2017 at COCSITE College Latur.		
	Dr. R. P. Bhagat, Isolation and purification of cellulase from cellulase producing MOs present in cow dung, International Conference on Recent Advances in Food, Herbal and Nano Technology, organized by College of Computer Science and Information Technology, COCSIT campus, Latur, on 12.01.2018 to 13.01.2018	Dr. R. P. Bhagat, Genetic purity testing of Tomato and Chilli plants, National Conference on Recent Trends in Biotechnology and Biodiversity (NCBB) 2017 at Shri Shivaji Science College Amravati.		
		Dr. M. A. Sonar, "Bryozoan fauna from the Burdigalian of Quilon beds of Padappakara, Kerala, India", Dr. M.A. Sonar, XXVI Indian Colloquium on Micropalaeontology & Stratigraphy (ICMS-2017) 17-19 August 2017, Dept. of Geology, University of Madras, Chennai.		

		Dr. A. N. Salve, Screening of Protease Inhibitor (PI) activity from some selected algae, National Seminar on Advances in Plant Sciences 12& 13 January 2018 at Dept of Botany, SPPU, Pune		
Resource Persons	Dr. A. N. Salve, 6th International Conference on Recent Trends in Life Sciences organized by Department of Botany and Research Center, New Arts, Commerce and Science College, Ahmednagar on 29th and 30th December, 2017	Dr. M. A. Sonar, "Plagiarism", First Pre-Ph.D. Course work in Geology, Dr. B.A. M. University, Aurangabad,	Dr. A. G. Jadhav, Basic local alignment tools, Microbiolympiad, RCP ASC NMU Shirpur on 27.01.2018.	Dr. A. G. Jadhav, Bioinformatics Data bases: Retrieve and submission of biological data, Workshop, Subcampus BAMU, Osmanabad
		Dr. A. N. Salve, Plenary Talk, Availability and Utilization of Algae, National seminar on availability and utilization of cryptogamic & phenarogamic plants 16/02/2018, SK Gandhi Arts, Shri. Amolak Science & RH Gandhi Commerce College, Kada, Tal. Asti, Dist. Beed		Dr. A. V. Pethkar, "There is huge room for innovations: the nanobiotechnology example", NMU Summer Research Aptitude Cultivation Workshop-2017, 01-10-2017, organized by North Maharashtra University, Jalgaon, at NMU, Jalgaon.
		Dr. A. V. Pethkar, National Conference on Microbial		Dr. A. N. Salve, Guest lecture on Algal Bioprospecting to B.Sc. and

		Technology for Sustainable Development, 02-02-2018, organized by DBF Dayanand College of Arts and Science, Solapur and Microbiologist Society, India at Solapur.		M.Sc. students of New Arts, Commerce and Science College, Ahmednagar on 15-09-2017.
		Dr. H. J. Wankhede, Refresher Course in Biological Science and Technology organized by UGC-Human Resource Development Centre, Dr. BAM University, Aurangabad on 26-09-2017 at Dr. BAM Univ., Aurangabad.		Dr. K. M. Wanjarwadkar, Radio Talk on “Remote Sensing”, on 10.10.2017
		Dr. H. J. Wankhede, Refresher Course in Biological Science and Technology organized by UGC-Human Resource Development Centre, Dr. BAM University, Aurangabad on 26-09-2017 at Dr. BAM Univ., Aurangabad.		Dr. K. M. Wanjarwadkar, “Jal v Mrida Sandharan”, In NSS Camp at Georai Kuber-Taluka Karmad on 24 .01.2018.

3.4 Extension Activities

3.4.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers coordinated such activities	Number of students participated in such activities
21 June 2017- International Yog Day, Interactive lecture and practical by Dr. Charulata Rojekar, Yoga Therapy Center, Aurangabad, on “Yog for elimination of mental and physical stress”.	NSS Unit	05	All students and staff
29 June 2017- Tree plantation in Institute campus	NSS unit	10	All students and staff
1 July to 7 July 2017- Tree plantation under the aegis of “50 Crore Mega Tree Plantation Campaign” of the Department of Forestry, planted 50 trees	NSS unit in collaboration with Sakla Landscapings, Aurangabad	04	All students and staff
6 July 2017- Survey for set-up of bio-waste composting facility in Minority Girls’ Hostels	NSS unit in association with Aurangabad Municipal Corporation, Aurangabad and Minority Girls’ Hostels, Aurangabad	01	10
14 July 2017- Free Workshop for students of affiliated colleges on the Preparations for Competitive Examinations	NSS unit in association with IQAC and Minority Girls’ Hostels, Aurangabad	03	93
11 August 2017- Health Check-up camp.	NSS unit in collaboration with Aurangabad Municipal Corporation and Minority Girls’ Hostels, Aurangabad.	04	All students and staff
12 August 2017- Cleanliness campaign and tree plantation.	NSS unit	04	All students and staff
16 Sept. to 28 Sept. 2017- Swachhata Pakhwada under Rashtriya Swachhata Abhiyan, campus cleaning, cleaning inside the department buildings, hostels, mega cleanliness drive at “Buddha Vihar” near the foothills of a mountain near Aurangabad Caves.	NSS unit under directives of Nagar Vikas Vibhag, Govt. of Maharashtra	08	100

6 Oct. 2017- Mega Cleanliness Campaign under Rashtriya Swachhata Abhiyan, cleaning the streets from Shahgunj area to Bhadkal Gate on the west and to Gulmandi on the south.	NSS unit in collaboration with the affiliating University and under directives of the Regional Commissioner, Aurangabad region.	All teachers	All students and staff
6 Dec. 2017- Rally for peace and equality “Samata Shanti Pad-yatra” on the occasion of Mahaparinirvan Din	NSS unit in collaboration with affiliating University	04	100
12 Jan. 2018- Motivational Lecture by Dr. Vijaykumar Phad on the occasion of Swami Vivekanand Jayanti, Ma Jijau Jayanti and “Marathi Bhasha Sanvardhan Din”	NSS unit	05	All students and staff
16 Jan. 2018- Youth Week celebrations, lecture by Prof. Ramesh Pandav, Gopinath Munde Gramin Sanshodhan Sanstha, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	NSS unit in collaboration with Akhil Bhartiya Vidyarthi Parishad (National Student Union).	04	All students and staff
23 Jan. 2018- Construction of Contour Trenches and Loose Boulder Structures for water conservation in adopted village Georai Kuber; workshop on Fabrication of an economical Biogas Plant” by Dr. Nitin Adhasure, Vivekanand College, Aurangabad.	NSS unit in collaboration with Govt. Institute of Forensic Science, Aurangabad.	03	50
24 Jan. 2018- Street plays on prevention of female foeticide and farmers’ suicide in village Georai Kuber; awareness program on health and hygiene for primary school children of Zilla Parishad Prashala by Microbiology Student Volunteers; Construction of Contour Trenches and Loose Boulder Structures for water conservation; lecture on “Soil and Water Conservation” by Dr. K. M. Wanjarwadkar, Govt. Institute of Science, Aurangabad.	NSS unit in collaboration with Govt. Institute of Forensic Science, Aurangabad.	03	50
25 Jan. 2018- Construction of Contour Trenches and Loose Boulder Structures for water conservation; cleaning of a village school- Trimbakeshwar Secondary School; Workshop on preparation of paper bags to stop use of plastic for primary school students of Zilla Parishad Prashala; lecture by Dr. Aniruddha Jadhav, Vivekanand College,	NSS unit in collaboration with Govt. Institute of Forensic Science, Aurangabad.	01	50

Aurangabad on “the 21 st Century Elixir of Life- <i>Spirulina</i> cultivation and farming associated business.			
26 Jan. 2018- Construction of Contour Trenches and Loose Boulder Structures for water conservation; Inauguration of Smart Classroom in Trimbakeshwar Secondary School; village survey for groundwater and surface water; street plays on educating the girl child, prevention of female foeticide, health and hygiene in prominent places at Georai Kuber.	NSS unit in collaboration with Govt. Institute of Forensic Science, Aurangabad.	03	50
27 Jan. 2018- Construction of Contour Trenches and Loose Boulder Structures for water conservation, Street plays on “Crimes and Crime investigations”, folk song on Chhatrapati Shivaji Maharaj.	NSS unit in collaboration with Govt. Institute of Forensic Science, Aurangabad.	03	50
28 Jan. 2018- Workshop on “Production of smokeless charcoal from cellulosic waste: by Dr. P. R. Puranik, North Maharashtra University, Jalgaon; workshop on “Production of <i>Azolla</i> for cattle and poultry feed” by Dr. P. R. Puranik; Mega cultural show for social awareness in the adopted village.	NSS unit in collaboration with Govt. Institute of Forensic Science, Aurangabad.	04	50
29 Jan. 2018- Mega Blood Donation Camp at adopted village Georai Kuber.	NSS unit in collaboration with affiliating University, Govt. Institute of Forensic Science, Aurangabad, other associated colleges and Seth Nandalal Dhoot Hospital, Aurangabad	04	50
19 Feb. 2018- Mega Cleanliness Drive at Ellora, Aurangabad.	NSS unit in collaboration with Govt. Institute of Forensic Science, Aurangabad, the affiliating University and under directives of the Regional Commissioner, Aurangabad region	01	50

3.4.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year				
Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited	
Nil	Nil	Nil	Nil	
3.4.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year				
Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers Coordinated such activities	Number of students participated in such activities
1 July 2017- 50 Crore Mega Tree Plantation Campaign of the Department of Forestry.	NSS unit in collaboration with Sakla Landscapings, Aurangabad	Tree plantation	03	All students
16 Sept. to 28 Sept. 2017- Swachchata Pakhwada under Rashtriya Swachchata Abhiyan.	NSS unit under directives of Nagar Vikas Vibhag, Govt. of Maharashtra	Campus cleaning, cleaning inside the department buildings, hostels, mega cleanliness drive at “Buddha Vihar” near the foothills of a mountain near Aurangabad Caves.	08	100
6 Oct. 2017- Mega Cleanliness Campaign under Rashtriya Swachchata Abhiyan,	NSS unit in collaboration with the affiliating University and under directives of the Regional Commissioner, Aurangabad region.	Cleaning the streets from Shahgunj area to Bhadkal Gate on the west and to Gulmandi on the south.	All teachers	All students and staff
6 Dec. 2017- “Samata Shanti Pad-yatra” on the occasion of Mahaparinirvan Din	NSS unit in collaboration with affiliating University	Rally for peace and equality	04	100
16 Jan. 2018- Youth Week celebrations,	NSS unit in collaboration with Akhil Bhartiya Vidyarthi Parishad (National Student Union).	Lecture by Prof. Ramesh Pandav, Gopinath Munde Gramin Sanshodhan Sanstha, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	04	All students and staff
29 Jan. 2018- Mega Blood Donation Camp at	NSS unit in collaboration with affiliating University,	Blood donation by village residents,	04	50

adopted village Georai Kuber.	Govt. Institute of Forensic Science, Aurangabad, other associated colleges and Seth Nandalal Dhoot Hospital, Aurangabad	NSS volunteers and teachers.		
19 Feb. 2018- Mega Cleanliness Drive at Ellora, Aurangabad.	NSS unit in collaboration with Govt. Institute of Forensic Science, Aurangabad, the affiliating University and under directives of the Regional Commissioner, Aurangabad region	Cleaning the area around the Famous Ghrishneshwar Temple and the streets.	01	50

3.5 Collaborations

3.5.1 Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of Activity	Participant	Source of financial support	Duration
Nil	Nil	Nil	Nil
Rock Magnetic studies of sediment cores from gas hydrate system in Bay of Bengal under the guidance of Dr. Firoz K. Badesab at NIO, Goa.	Laxman Fakira Gadade, Department of Geology	None	15.01.2018 to 15.02.2018
Magnetic and sedimentological studies on sediment core from gas Krishna Godavari Basin under the guidance of Dr. Firoz K. Badesab at NIO, Goa	Muneeb Ur Rehman, Department of Geology	None	15.01.2018 to 15.02.2018
Exchange of ideas for enhancement of research activities	Institute of Science, Aurangabad and School of earth Science, SRTMU, Nanded	None	Since 27.01.2011
Exchange of ideas for enhancement of research activities	Institute of Science, Aurangabad and Auger Group Inc. DbA Clearwater Group in Point Richmond, California, USA	None	Since 25.02.2012

3.5.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	Participant
Training in “Rock Magnetic studies of sediment cores from gas hydrate system in Bay of Bengal”	Winter Training	National Institute of Oceanography, Goa.	15.01.2018-15.02.2018	Mr. Laxman Fakira Gadade (PG Student) and Dr. K. M. Wanjarwadkar
Training in “Magnetic and sedimentological studies on sediment core from gas Krishna Godavari Basin”	Winter Training	National Institute of Oceanography, Goa.	15.01.2018-15.02.2018	Muneeb Ur Rehman (PG Student) and Dr. K. M. Wanjarwadkar
Research	Sharing of nanoparticle characterization facility	Linkage with Dr. A. K. Gade & Prof. M. K. Rai, Department of Biotechnology, SGB Amravati University, Amravati.	2012 till date	Mr. I. R. Gupta
Research	Expert for upgradation of Jotirao Phule National Junior Research Fellow to Senior Research Fellow under BARTI.	School of Management Studies, North Maharashtra University, Jalgaon.	11-11-2017	Dr. A. V. Pethkar
Research	External referee for Ph.D. <i>viva-voce</i>	University of Mumbai, Mumbai	18-03-2018	Dr. A. V. Pethkar
Other University Examination	Examiner for M.Sc. Practical examination (Biotechnology)	Department of Biotechnology, North Maharashtra University, Jalgaon	10-11-2018 to 11-11-2018	Dr. A. V. Pethkar
Academic	Member, Ad-hoc RRC committee in Life Sciences	North Maharashtra University, Jalgaon	Continuing	Dr. A. V. Pethkar
Research	Academic deliberations	North Maharashtra University, Jalgaon	01.10.2017	Dr. A. V. Pethkar
Research	Academic deliberations	DBF Dayanand College of Arts and Science, Solapur	02.02.2018	Dr. A. V. Pethkar
Research	Academic deliberations	Microbiologist Society, India, Osmanabad.	02.02.2018	Dr. A. V. Pethkar

Training on Quality Management	Seminar on “Quality Sustenance Initiatives-Proposals for Research Funding & Conferences”	Prof. A. M. Deshmukh, President, Microbiologist Society, India, Osmanabad.	26.07.2017	Dr. A. V. Pethkar
Academic	Student visits.	M/s Beej Sheetal Research Pvt. Ltd.	Continuing	Shri. S. G. Kulkarni
Professional consultancy	Improvement of vegetables.	M/s Beej Sheetal Research Pvt. Ltd.	24.07.2017 to 28.02.2018	Shri. S. G. Kulkarni
Research consultancy	Effect of Gamma radiation on nanostructured materials	Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	23.06.2017	Mr. S. G. Kulkarni
Research consultancy	Effect of Gamma radiation on nanostructured materials	Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	07.10.2017	Mr. S. G. Kulkarni
Research consultancy	Mutation breeding on Lathyrus	R. G. Bagdiya Arts, S. B. Lakhotia and R. Bezonji Science College, Jalna.	07.11.2017	Mr. S. G. Kulkarni
Research consultancy	Mutation breeding on Lathyrus	R. G. Bagdiya Arts, S. B. Lakhotia and R. Bezonji Science College, Jalna.	09.11.2017	Mr. S. G. Kulkarni
Research consultancy	Bacterial culture exposure	Sant Tukaram College, Parbhani.	24.09.2017	Mr. S. G. Kulkarni
Academic	Evaluation of Ph.D. thesis	Gondwana University, Gadchiroli.	23-11-2017 up to three months	Dr. S. A. Peshwe
Research	Academic deliberations	IIT, Bombay	11.12.2017 to 15.12.2017	Dr. M. S. Patil
Research	Academic deliberations	Innani Mahavidyalaya, Karanja Lad, Dist. Washim	22.03.2018 to 23.03.2018	Mr. V. W. Patil
Academic	Workshop on API	Elphinstone College, Mumbai	29.11.2017	Mr. V. W. Patil
Research	Training workshop	Agharkar Research Institute, Pune	06.04.2018	Mrs. P. M. Sonawane
Academic	Workshop on API	Elphinstone College, Mumbai	29.11.2017	Dr. R. P. Bhagat

Research	Academic deliberations	ACS College, Parner	29.12.2017 to 30.12.2017	Dr. A. N. Salve
Research	Academic deliberations	Dept. of Botany, Savitribai Phule Pune University, Pune	12.01.2018 to 13.01.2018	Dr. A. N. Salve
Research	Academic deliberations	College of Computer Science and Information Technology, COCSIT, Latur	12.01.2018 to 13.01.2018	Dr. R. P. Bhagat
Research	Academic deliberations	Shri Shivaji Science College, Amravati	2017	Dr. R. P. Bhagat
Research	Academic deliberations	Dept. of Geology, University of Madras, Chennai	17.08.2017 to 19.08.2017	Dr. M. A. Sonar
Research	Resource person	Dept. of Botany and Research Center, New Arts, Commerce and Science College, Ahmednagar	29.12.2017 to 30.12.2017 and 15.09.2017	Dr. A. N. Salve
Research	Resource person	S. K. Gandhi Arts, Shri. Amolak Science and R. H. Gandhi Commerce College, Kada, Tal. Ashti, Dist. Beed.	16.02.2018	Dr. A. N. Salve
Academic	Resource person	Microbiolympiad, RCP ASC NMU Shirpur.	27.01.2018	Dr. A. G. Jadhav
Academic	Resource person	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Subcampus Osmanabad.	00	Dr. A. G. Jadhav
Examination	Examiner for M.Sc. Biotechnology	School of Life Sciences, North Maharashtra University, Jalgaon	11.05.2018 to 12.05.2018	Dr. Mrs. M. S. Patil
Yog Training	Lecture and demonstration of Yog for stress management	Yog Therapy Center, Aurangabad	21-06-2017	Dr. A. V. Pethkar, NSS Program Officer
Tree plantation	Support and activities	Sakla Landscapings, Aurangabad	01.07.2017 to 07.07.2017	Dr. A. V. Pethkar, NSS Program Officer
Cleanliness Campaign	Swachhata Survey, Solid Waste Disposal	Aurangabad Municipal Corporation, Aurangabad.	06.07.2017 and 11.08.2017	Minorities Girls' Hostels and IQAC.

Mega Cleanliness Campaign	Rashtriya Swachchata Abhiyan	Office of the Regional Commissioner, Aurangabad	06.10.2017	Dr. A. V. Pethkar, NSS Program Officer
Extension activities in adopted village	Support and activities	Govt. Institute of Forensic Science, Aurangabad.	23.01.2018 to 29.01.2018 & 19.02.2018	Dr. M. N. Bokhad, NSS Program Office
Blood Donation Camp	Support and activities	Seth Nandalal Dhoot Hospital, Aurangabad	29.01.2018	Dr. M. N. Bokhad, NSS Program Office
Examination	Examiner for M.Sc. Biotechnology	Institute of Biosciences and Technology, Aurangabad	24.04.2018 to 25.04.2018	Mrs. P. M. Sonawane
3.5.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year				
Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs	
Nil	Nil	Nil	Nil	

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES		
4.1 Physical Facilities		
4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year		
Budget allocated for infrastructure Augmentation (Rs.)	Budget utilized for infrastructure development (Rs.)	
1,93,000.00	1,93,000.00	
4.1.2 Details of augmentation in infrastructure facilities during the year		
Facilities	Existing	Newly added
Campus area	25 acre (12,852 sq. m.)	Nil
Class rooms	10	Nil
PG Laboratories	10	Nil
Research Laboratories	05	Nil
Special Instrument Laboratories	05	Nil
Seminar Halls	03 (Geology, Biotechnology and Biophysics)	Nil
Classrooms with LCD facilities	08 (Bot 2, Geol1, Biotech2, Micro2 Biophy1)	Nil
Classrooms with Wi-Fi/ LAN	02 (Biotech)	Nil
Seminar halls with ICT facilities	03	Nil
Video Centre	00	Nil
Playground	01	Nil
Auditorium	01	Nil
Health Center	01	Nil
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	15	Nil
Value of the equipment purchased during the year (Rs.)	54,11,672	54,11,672
Others	Nil	Nil

4.2 Library as a Learning Resource									
4.2.1 Library is automated { Integrated Library Management System -ILMS }									
Name of the ILMS software		Nature of automation (fully or partially)		Version		Year of automation			
SOUL		Partially		2.0		2012			
4.2.2 Library Services:									
		Existing		Newly added		Total			
		No.	Value (Rs.)	No.	Value	No.	Value		
Text Books		2555	1728918.00	11	4230	2566	1733148.00		
Reference Books		6660	2313360.00	130	205931.00	6890	2523989.00		
e-Books		149839+	10000.00	149839	10000.00	149839	10000.00		
Journals		25	123225.00	20	123225.00	20	123225.00		
e-Journals		128247	10000.00	128247	10000.00	128247	10000.00		
Digital Database		-	-	-	-	-	-		
CD & Video		85	-	-	-	85	-		
Library automation		-	-	-	-	-	-		
Weeding (Hard&Soft)		-	-	-	-	-	-		
Others (specify)		-	-	-	-	-	-		
4.3 IT Infrastructure									
4.3.1 Technology Upgradation (overall)									
	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available bandwidth (MGBPS)	Others (Library)
Existing	82	-	72	Biotech 11 Geology 8	-	08	Botany 07 Biophy 15 Microbio 10 Biotech 08 Geology 08	10 MBPS	07
Added	02	-	-	-	-	-	-	-	02
Total	84	-	72	19	-	08	48	10 MBPS	09
4.3.2 Bandwidth available of internet connection in the Institution									
NMEICT 10 MBPS									
4.3.3 Facility for e-content									
Name of the e-content development facility				Provide the link of the videos and media centre and recording facility					
Nil				Nil					

4.3.4 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc			
Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e - content
Nil	Nil	Nil	Nil
4.4 Maintenance of Campus Infrastructure			
4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year			
Assigned budget on academic facilities(Rs.)	Expenditure incurred on maintenance of academic facilities(Rs.)	Assigned budget on physical facilities(Rs.)	Expenditure incurred on maintenance of physical facilities(Rs.)
	3,34,000	7,20,000	7,20,000
Total	3,34,000	7,20,000	7,20,000
4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (<i>maximum 500 words</i>)(information to be available in institutional Website, provide link) http://www.inosca.org/iqac/procedures-policies-2017-18.pdf			
CRITERION V - STUDENT SUPPORT AND PROGRESSION			
5.1 Student Support			
5.1.1 Scholarships and Financial Support			
	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from institution	Nil	00	00
Financial Support from State Govt.	Chatrapati Rajarshi Shahu (EBC)	00	00
	Freeship (SC)	03	3000.00
	Freeship (VJNT)	02	2000.00
	Freeship (OBC)	02	2000.00
	Minority Scholarships	07	-
Financial support from other sources			
Affiliating University	Earn and Learn Scheme	08	5000.00
a) National	GOI- PMS- SC	19	1,28,240.00
	GOI- PMS- ST	00	00
	GOI- PMS- VJNT	14	72,630.00
	GOI- PMS- OBC	24	1,28,910.00
	GOI- SBC	02	3480.00
b) International	Nil	00	00
Total		73	3,40,260.00

5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counseling and Mentoring etc.,					
Name of the capability enhancement scheme		Date of implementation	Number of students enrolled	Agencies involved	
“Yog for elimination of mental and physical stress” on International Yoga Day		21/06/2017	All students and staff	Yog Therapy Center, Aurangabad	
Interview skills and Soft skills for pharma sectors		22/12/2017	40	Mr. Nitin Nage, Research Scientist R&D, Sun Pharma Ahmadabad	
5.1.3 Students benefited by guidance for competitive examinations and career counseling offered by the institution during the year					
Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
07/08/2017	Overview of Pharma Industries and required skillsets by Mr. LaxmikantRathi, HRWockhardtPvt.L td,Aurangabad	-	Students of all Departments	-	-
22/12/2017	Interview skills and Soft skills for pharma sectors by Mr. Nitin Nage, Research Scientist R&D, Sun Pharma Ahmadabad	-	Students of Biotechnology Department	-	-
14-07-2017	One Day Free Workshop on Preparing for Competitive Examinations by Shri. Krishna Bhoge (Retd. IAS) and Shri. Nitin Bagate (UPSC Rank 673).	93	-	-	-

5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year					
Total grievances received		No. of grievances redressed		Average number of days for grievance redressal	
Nil		Nil		NA	
5.2 Student Progression					
5.2.1 Details of campus placement during the year					
On campus			Off Campus		
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed
3	26	11	13	56	41
Details of Student Placements					
S. No	Department	Name of Student	M.Sc . Passing Year	Institution where placed	Post/Designation
1	Biotechnology	Mr. Bhausahab Katore	2018	Lupin Pvt Ltd Pune	QC Analyst
2	Biotechnology	Mr. Sameer Shaikh	2018	Baijo Sheetal Ltd Jalna	Research Trainee
3	Biotechnology	Mr. Chandan Borde	2018	Biofertilizer company A’bad	Marketing
4	Biotechnology	Mr. Samadhan Pathekar	2018	Lupin Pvt Ltd A’bad	Trainee
5	Biotechnology	Ms. Sai Talnikar	2018	Matrix Pharma Paithan	Trainee
6	Biotechnology	Ms. Monika Gore	2018	Genome Bio Ltd Pune	QA Analyst
7	Biotechnology	Ms. Gauri Kurdkar	2018	Genome Bio Ltd Pune	QC Analyst
8	Biotechnology	Ms. Nupur Boramnikar	2017	Prag Matrix Pune	BCIL Trainee
9	Biotechnology	Ms. Mayuri Latkar	2017	Chemical Company A’bad	QC analyst
10	Biotechnology	Ms. Jyoti Mergewar	2017	Medico/Pharma A’bad	Trainee
11	Biotechnology	Mr. Somnath Solse	2017	Wockhardt Pvt Ltd,	R&D trainee

				A'bad	
12	Biotechnology	Mr. Sarthak Chine	2017	J.Mitra Pharma Ltd Mumbai	Marketing officer
13	Biotechnology	Mr. Ganesh Pagar	2017	J.Mitra Pharma Ltd Mumbai	Marketing officer
14	Biotechnology	Mr. Vinod Rathod	2017	J.Mitra Pharma Ltd Mumbai	Marketing officer
15	Biotechnology	Mr. Dilip Ahere	2017	J.Mitra Pharma Ltd Mumbai	Marketing officer
16	Biotechnology	Mr. Yashwant Bhandwalkar	2017	Gaikwad Coaching Classes Abad	Tutor
17	Biotechnology	Mr. Ashish Bijewar	2017	Indian Institute of Science, B'lore	Ph.D Scholar
18	Biotechnology	Mr. Shyam More	2017	National Chemical Lab, Pune	Ph.D Scholar
19	Microbiology	Mr. Suraj Deshpande	2018	Wockhardt Pvt Ltd, A'bad	Trainee
20	Microbiology	Mr. Subham Dhumal	2018	Lupin Pvt Ltd Mumbai	Trainee
21	Microbiology	Mr. Dhiraj Patil	2018	Lupin Pvt Ltd Mumbai	Trainee
22	Microbiology	Mr. Deepak Pirane	2018	CIPLA Ltd Goa	Trainee
23	Microbiology	Mr. Nitin Pawar	2018	Shreya Life Science A'bad	Trainee
24	Microbiology	Mr. Mohd. Furkhan	2017	Wockhardt Pvt Ltd, A'bad	R&D trainee
25	Microbiology	Mr. Vijay Shelke	2017	J. Mitra Pharma Ltd Mumbai	Marketing officer
26	Microbiology	Mr. Nitin Gawai	2017	Wockhardt Pvt Ltd, A'bad	R&D trainee
27	Microbiology	Ms. Varsha Mandore	2018	Dattaji Bhale Blood Bank A'bad	Trainee
28	Microbiology	Mr. Kulbhushan Gosavi	2018	Shreya Life Science A'Bad	Research Trainee
29	Microbiology	Mr. Sonaji Waghchawre	2018	Johnson and Johnson	Research Trainee
30	Microbiology	Ms. Diksha Balshete	2017	Wockhardt Pvt Ltd, A'bad	Research Trainee
31	Microbiology	Ms. Manjusha Ghadge	2017	Wockhardt Pvt Ltd, A'bad	Research Trainee
32	Botany	Mr. Jivan Fuke	2018	Warchem Biotech Mumbai	Marketing Officer
33	Botany	Mr. Ganghadhar Ubale	2017	Durwa Seeds Pvt A'bad	Research Assistant
34	Botany	Mr. Sunil Gawali	2018	Dr BAMU	Research Fellow

35	Geology	Shaikh Mohd. Hamaz	2017	Central institute of Mining & Fuel Research, Dhanbad	Project Asst.
36	Geology	Mr. Mayur kille	2017	SKW & Survey	Geologist
37	Geology	Mr. Hamaz Shaikh	2017	POKRA Aurangabad	Geologist
38	Geology	Mr. Kunal Chapre	2017	Genesis, Hyderabad	GIS Expert
39	Geology	Ms. Jyoti Gaikwad	2017	Atlas Maps Pune	Geologist
40	Geology	Mr. Juneid Shah	2018	POKRA Aurangabad	Geologist
41	Geology	Ms. Renuka Perkar	2017	Genesis, Hyderabad	GIS Expert
42	Geology	Mr. Dipak Patil	2018	POKRA Aurangabad	Geologist
43	Geology	Mr. Ritesh Mate	2018	POKRA Aurangabad	Geologist
44	Geology	Mr. Ghanshyam Patil	2018	SKW International	GIS Expert
45	Geology	Ms. Namrata Patil	2017	Genesis, Hyderabad	GIS Expert
46	Biophysics	Ms. Rutuja Joshi	2017	Wockhardt Pvt Ltd A'bad,	Research Trainee
47	Biophysics	Ms. Shital Vajapurkar	2017	Pharma Industry A'bad	Research Trainee
48	Biophysics	Swapnil Pawar	2017	Wockhardt Pvt Ltd, A'bad	Research Trainee
49	Biophysics	Swapnil Jagtap	2017	Wockhardt Pvt Ltd, A'bad	Research Trainee
50	Biophysics	Ms. Jyotsna Shah	2018	Himedia Mumbai	Marketing Executive
51	Biophysics	Mandar Deshpande	2017	Wockhardt Pvt Ltd, A'bad	Research Trainee
52	Biophysics	Ms. Aishwarya Bhale	2017	KIMS Institute Hyderabad	Research Fellow

5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
02-04-18	Ms. Aishwarya Arole	M.Sc. Biophysics	Department of Biophysics	NIMHANS, Bangalore	Ph. D., Reg. No-306287

19-06-2017	Ms. Renuka Pawar	M.Sc. Biophysics	Department of Biophysics	Radiation Medicine Center, Tata Memorial Radiation Center, Mumbai, though National Level Entrance Teat.	Advanced Diploma in Medical Fusion Imaging Technology, Reg. No- 05
2017-18	Ms. Aishwarya Bhale			Jawaharlal Nehru Technical University, Hyderabad	Ph. D.
2017-18	Mr. Tanaji Ghodke			Centre for Application of Radioisotopes and Radiation Technology (CARRT), Mangalore University, Mangalore	Research Fellow
2017-18	Mr. Ashish Bijewar	M.Sc. Biotechnology	Department of Biotechnology	Dept of Microbiology of Indian Institute of Science, Bangalore	Ph.D.
2017-18	Mr. Yashwant Bhandwalkar			Center for Cell and Molecular Biology (CCMB), Hyderabad	Ph.D.
2017-18	Mr. Babasaheb Sonawane			National Chemical Laboratory (NCL), Pune	Ph.D.
2017-18	Mr. Shyam More			National Chemical Lab, Pune	Ph.D.
2017-18	Ms. Jaibahar Kalyani Haridas	M.Sc. Geology	Department of Geology	Dept. of Geology	Ph.D.
2017-18	Ms. Aishwarya Hemant Arole	M.Sc. Biophysics	Department of Biophysics	National Institute of Mental Health and Neuro Sciences, Bengaluru	M. Phil.
2017-18	Mr. Sunil Gawali	M.Sc. Botany	Department of Botany	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	Research Fellow
2017-18	Ms. Aishwarya Bhale	M.Sc. Biophysics	Department of Biophysics	KIMS Institute Hyderabad	Research Fellow

5.2.3 Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET (CSIR)- JRF, Dec 2017	Ms. Rupali Kumthekar	00
	Mr. Yashwant Bhandwalkar	369821
	Mr. Shyam More	00
	Mr. Sadanand Bhanuse	00
	Ms. Kiran Bhende	00
	Mr. Sarita Salunke	00
	Mr. Sachin Baglane	366377
	Mr. Vikas Ghadamode	00
	Mr. Yashwant Bhandwalkar	369821
NET (CSIR-UGC)-LS Jun 2017	Mr. Shyam More	00
	Ms. Kiran Bhende	00
	Mr. Bhaurao Chausaste	00
	Mr. Dinesh Kasbe	354641
	Mr. Dilip Gawande	00
NET (CSIR-UGC)-LS Dec2017	Mr. Mukund Kolte	365576
	Mr. Datta Waghmare	00
NET 2018	Mr. Akashay Kharve	00
NET (ICAR) 2017	Mr. Sadanand Bhanuse	00
SET-2017	Ms. Pushpa Zamarkar	00
	Ms. Aishwarya Chawla	753283
SET- Jan2018	Mr. Shyam More	00
	Mr. Sadanand Bhanuse	00
	Mr. Somesh Gorde	146803
	Ms. Shradha Kavishwar	00
	Mr. Dilip Gawande	00
	Mr. Mukund Kolte	146932
	Mr. Dnyaneshwar Chavan	00
	Mr. Ganesh Gaikwad	147302
	Mr. Suren Kamble	147312
	Mr. Wasib Baig Y B Mirzaq	00
	Mr. Pawan Kumar Giri	147304
	Mr. Kishor Ghodke	00
GATE- 2018	Ms. Rupali Kumthekar	00
	Mr. Yashwant Bhandwalkar	00
	Mr. Shyam More	00
	Mr. Sadanand Bhanuse	00
	Mr. Somesh Gorde	BT18S42046012
	Ms. Kiran Bhende	00
	Mr. Dilip Gawande	00
DBT JRF17	Mr. Shyam More	00
	Mr. Somesh Gorde	00

State Government Services	Nil	00
Any Other		00
NIMHANS entrance test- 2018	Ms. Aishwarya Arole	Registration No. 306287 02 April 2018
Medical Fusion Imaging Test	Ms. Renuka Pawar	Registration No. 05 19 Jun 2017
PA- Level I- April 2018, CSIR-Central Inst. For Mining and Fuel Research, Barwa Road, Dhanbad, Jharkhand	Mr. Shaikh Mohd, Hamaz	00

5.2.4 Sports and cultural activities / competitions organized at the institution level during the year

Activity	Level	Participants
Annual Sports	Institution	157
Annual Gathering	Institution	140

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
28 Sep. 2017	Runners up	University Level organized by University Board of Physical Education and Sports, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	200mt running	-	GEO17-18/1008	Ms. Suslesha Loharkar (PG Student), Geology
28 Sep. 2017	3 rd Prize	University Level organized by University Board of Physical Education and Sports, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	400mt running	-	GEO17-18/1008	Ms. Suslesha Loharkar (PG Student), Geology

01-02 June 2018	3 rd Prize	Maharashtra State Senior Athletics Championships 2018 at Meenatai Thakare Stadium, Nashik	4x100mt Relay	-	GEO17-18/1008	Ms. Suslesha Loharkar (PG Student), Geology
19-21 Jan. 2018	Participation	National	-	8th Indian Student Parliament, Pune	MBL17-18/1014	Mr. Kishor Kadam (PG Student), Microbiology
19-21 Jan. 2018	Participation	National	-	8th Indian Student Parliament, Pune	MBL17-18/1013	Ms. Akanksha Jogdand(PG Student), Microbiology
8 March 2018	1 st Prize	Local Level	-	Womens' Day Essay Competition	MBL17-18/ 1010	Ms. Aparna Honkhambe(PG Student), Microbiology

5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Members of the Student Council are elected through Institute Level Elections as per directives given by the affiliating University. In the current year, there were no directives issued by the University to conduct the elections. Hence, the Student Council was not constituted.

5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words): Yes

The institute has alumni association named as **“ALUMNI OF INSTITUTE OF SCIENCE”** It is registered under मुंबई सार्वजनिक विश्वस्तव्यवस्था अधिनियम १९५० (सन १९५० चा मुंबई अधिनियम, २९) with Deputy Charity Commissioner, Aurangabad. The registration number is **F11 217 (A)**. This association has drafted memorandum and rules & regulations adopted unanimously at a special general meeting in Institute's conference hall. The registered office of association will be situated at Government Institute of Science, Aurangabad. The executive body of association consists of 11 members including Director of the Institute is Ex-officio Chairman and other members include Vice-chairman, Secretary, Joint Secretary, Treasurer and 6 Executive Members. The members of this association are Ex-students of this institute only. The association is formed with following broad aims.

- To inculcate research consciousness and professional exposure among existing students through Lectures and demonstrations by alumni working in various fields
- To foster collaboration with industries, research institutions via alumni mediation for arranging internship, study visits, short term trainings, undertaking summer projects, campus interviews, interaction meets, group discussion etc.
- To undertake and strengthen the research projects of mutual benefits with various industries and research organizations utilizing sophisticated instrumentation and expertise on both the sides and simultaneously

- involving existing students in these projects mentoring and exposing them in multidisciplinary aspects.
- To encourage and undertake socio-educational activities like exhibition, science at doorsteps seminars, workshops, conferences which are consequent upon our interdisciplinary approach.
- To felicitate the bright students contributing innovations in different fields.
- To help financially hard-pressed students
- To perform all other acts as may be incidental or conducive to the attainment of any one or all of the abovementioned objectives.

The membership drive and appeal for alumni contribution are being executed presently.

The **“ALUMNI OF INSTITUTE OF SCIENCE”** in conjunction with Government Institute of Science, Aurangabad has undertaken student centric activities for their overall development under **“STEP-IN” (STudents EmPowerment INitiative)**, an initiative venture to establish Industry-Institute Advisory Forum and implement action programmes for Human Resource Development in respective fields. Our vision statement of STEP-IN is, *“to be most admired Industry-Institute advisory forum engaging youngsters in education and equip tomorrow’s workforce with relevant skills by linking with industry requirements”* to march towards mission as follows - *“We will inculcate employability/entrepreneur skills in the students by high quality academic experience, developing performance competencies through hands on training in modular employable skills and helping them to meet job-fit skill requirement of the industry”*

Strategy for execution of activities under STEP-IN

- Establish strong between Industry and Institute co-ordination
- Develop and Translate Campus to Corporate curricula
- Undertake skill development initiatives by blending modular employable skill programs

Several lecture series, interaction meetings and campus interviews were organized under this banner.

5.3.2 No. of registered enrolled Alumni: Nil

5.3.3 Alumni contribution during the year (in Rupees) : Nil

5.3.4 Meetings/activities organized by Alumni Association :

- Each Department has a database of alumni and organizes meetings with the alumni.
- A unique activity is initiated as Alumni lecture series (GISA initiated alumni lecture series) wherein alumni of the institute who have made marks in various walks of life are invited to deliver lectures and have a dialogue with the students about the contribution of the Institute in building their career. This helps to motivate the students.
- The Alumni are invited to share their expertise and deliver some lectures from academic curriculum.
- Alumni support to the Institution and each individual department include announcements and communications about new openings and opportunities available at different institution and industries they are attached with, thus acting as a bridge for ensuring the placement of fresh postgraduates.
- Alumni support Training and Placement Cell in organizing campus interviews, recruitment and offering summer training etc.
- Biotechnology department has initiated the activity named ‘Walk The Talk’, where alumni members deliver lectures and shares their expertise and experience with the students.

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT
6.1 Institutional Vision and Leadership
6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words)
<p>The Principal delegates the powers to the Heads of Departments to impart the curriculum and syllabi. In turn the Heads of various departments allocate the responsibilities and work amongst their departmental colleagues. College has installed and empowered IQAC for achieving excellence in the institutional processes. The office administration is geared through Registrar to help general administration ranging from admission, scholarships, purchases, estate management, infrastructure maintenance etc. Various committees are formed for organizing co-curricular, extracurricular and sports activities. Opinions and suggestions that are expressed in meetings are given due consideration and promptly acted upon by the Director and other faculty. The Director encourages and supports the participation of students and teachers in seminars, conferences, workshops, Ph.D & M.Phil. Programmes, Refresher Course and Orientation programmes, publication of research papers, publication of books and many such steps to ensure creation and enrichment of knowledge. The Local Governing Body Meetings, staff meetings, directives issued by the government, visit of the government authorities, activities of the student forum for co-curricular and extracurricular activities are all purposeful in fine tuning with the institutional processes and activities to ensure compliance with our national policies of Higher Education and also the vision, mission and goals of our institution.</p>
6.1.2 Does the institution have a Management Information System (MIS)? Yes/No/Partial: Yes
6.2 Strategy Development and Deployment
6.2.1 Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):
<p><input type="checkbox"/> Curriculum Development: The institute implements the curriculum provided by our affiliating University. Teachers are deputed to participate in orientation courses, refresher courses, seminars, conferences, workshops, symposia etc., to enable them to keep themselves abreast with latest developments in the respective fields of their specializations. Curriculum designing and restructuring of courses is the prerogative of the affiliating University. However, the faculties of our College make significant contributions in the curriculum design and development. They act as BOS members and attend workshops on designing of syllabi.</p>
<p><input type="checkbox"/> Teaching and Learning: Systematic academic planning, use of the modern teaching-learning aids and extensive ICT adoption are incorporated for effective delivery of the curriculum. Remedial mentoring for slow learners and special tasks for advanced learners are encouraged. IQAC has made the teaching and learning process student centric and transformed the student community into lifelong learners by way of adopting the mechanisms: teaching with case studies, focus on teaching with digital aids, learning with guided assignments, seminars, student seminars and to make teaching more interesting and activity based, teachers are encouraged to organize study tours, field visits and industrial visits.</p>
<p><input type="checkbox"/> Examination and Evaluation: Institute follows examination and evaluation reforms mandated by the affiliating University. Institute appoints a faculty member as the In-charge of the Exam. Committee to conduct institute level centralized internal examinations. The campus is equipped with CCTV to ensure transparency. The Committee conducts mid-term and End-term internal examinations each semester by adhering to the academic calendar. Teachers set question papers and hand over to the committee to ensure transparency. The internal test marks and test papers are shown to students and elaborately discussed in order to suggest refinements for further improvements.</p>

□ Research and Development:

Research culture is nurtured in the institute. The Institute encourages faculty members to pursue PhD, submit proposals for Minor and Major Research projects to get financial assistance sanctioned publish papers in UGC listed journals, present their research findings among peers through conferences, symposia, and seminars. The institute extends consultancy services to professional and industrial organizations in the field of expertise. Free unlimited internet access for both staff and students is available. Students are also encouraged to involve in research activities and participate in conferences, seminars and research competitions, poster competitions and oral presentations. Guest lectures on research methodology, orientation are given to students and are encouraged to participate actively.

□ Library, ICT and Physical Infrastructure / Instrumentation:

The institute has central Library housed in an independent building with two floors having spacious reading hall, separate halls for books and periodicals. The library has a collection of over 7000 text books, over 2000 reference books and back volumes of highly acclaimed journals such as Science, Nature, Scientific American, Journal of Bacteriology, Journal of Biological chemistry, Various Annual Reviews etc The library provides access to e-books and e-journals through Digital consortium.

The Institution is located in serene picturesque and a pollution free campus in an environment conducive to learning. The institute has installed CCTV as safety and discipline measure in the campus, installation of water purifiers for providing pure and clean drinking water, well equipped auditorium, free Internet access in the departments to students and teachers. The institute strives to procure funds for development of new infrastructure and renovation of existing infrastructure from various funding agencies such as RUSA, DPDC and state government. The institute has developed analytical instrumentation facility with funding from central government DST-FIST scheme. In addition the institute gets funding for purchase of instruments and accessories. The institute offers Gamma Irradiation, Ground Water survey, Forensic investigation services to academicians, industrial professionals and farmers. The institute houses museum and herbariums in departments of Geology and Botany respectively.

□ Human Resource Management:

The faculty members are appointed by the government through MPSC. In order to cater to additional workload every year the qualified candidates are entrusted with teaching activity on Clock hour basis by following UGC and state government norms. Expert Professionals are invited to deliver guest lectures to keep students updated with latest developments. Faculty members are encouraged to take part in FDPs, STPs, orientation and refresher courses to widen their knowledge horizons. The institute regularly encourages faculty members for timely submission of proposals for CAS placements and promotions. The teaching and nonteaching staff of institute is entitled to avail annual increments, leaves and other permissible benefits.

□ Industry Interaction / Collaboration:

The institute offers Gamma Irradiation, Ground Water survey, Forensic investigation services to academicians, industrial professionals and farmers. Experts from industries deliver guest lectures and interact with students on various aspects. Industries and other professional organizations visit institute for campus interview and placements. Industries also employ students of the institutes based on recommendations of faculty whenever there are vacancies. Surrounding industries always extend their helping hand to organize field and industrial visits. Our College has established MoUs, collaborations and linkages with Biotech and pharma industries, agro-based research labs. Teachers visit industries and other professional organizations along with their students for carrying their research and gain practical knowledge about the working of such units.

□ Admission of Students:

The university conducted PG CET examination for admission of students in all affiliated colleges under the university. Based on PG CET score, marks in qualifying examination and their preferences the students were allotted seats in the colleges. The admission to students allotted by university was executed by respective

departments in the institute as per rules & regulations of the State Government and affiliating university to ensure transparency in admission process.

6.2.2 : Implementation of e-governance in areas of operations:

☐ Planning and Development

The institute maintains the website www.inosca.org. The Vision and Mission Statement, e-prospectus, eligibility criteria for admissions, academic and physical infrastructure facilities available for the students, syllabi, academic calendar, admission procedure, are displayed on the institutional website. Most of the communication related with planning and development are executed through e-mail.

☐ Administration

The Administration of the Institute functions with E-governance system at Government and institute level. The institute is connected through high-speed internet of bandwidth 10 MBPS. The institute implements online MIS in order to provide vital institute statistics to the State Government. The Institute participated in online AISHE system to update the Central Government regarding institute's current academic information. Every year the institute participates in online affiliation process of the affiliating university and ensures the adherence to the prescribed guidelines. The Institute has Biometric attendance for teaching and non-teaching staff. The Institute campus is equipped with CCTV Cameras at Strategic places to maintain discipline and ensure safety of students, staff and campus on the whole.

• Finance and Accounts

The college uses the Sevarth system for preparation and disbursement of salary bills. The purchases are done through Gem portal or e-tendering as per government procedure. Online tenders, tender publication, opening and purchase order issue is through online Maha-Tender system. The payments of salaries to staff and payments above Rs 100/ to suppliers and vendors are done through Central Master Pay System (CMP) which involves electronic transfer of money via Bank account.

☐ Student Admission and Support

Institute processes admission through departmental admission committees. The students are provided with computational facilities for Scholarship Form filling. The affiliating university conducted PGCET exam for admission of students to various affiliated colleges. The procedure for application and processing of the applications was done online. The admission committee of the institute acted as liaison in this online admission process. The seats for students were allotted based on merit in PGCET.

☐ Examination

The College has the separate Examination committee for conducting mid-term and End-term internal examination. The institute participates in online pre and post examination processes of university exam such as exam form filling and submission, hall ticket generation and printing, internal marks uploading, practical marks uploading etc.

6.3 Faculty Empowerment Strategies

6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
-	Nil	Nil	Nil	Nil

6.3.2 Number of professional development / administrative training programmes organized by the College for teaching and non-teaching staff during the year					
Year	Title of the professional Development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Nonteaching staff)
-	Nil	Nil	Nil	Nil	Nil
6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year					
Title of the professional developmentprogramme		Number of teachers who attended		Date and Duration (from – to)	
Short term course on Gender Sensitization, under HRDC, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.		Dr. S. P. Bidarkar		11.09.2017 to 16-09-2017	
85 th Orientation Course at, Human Resource Development Centre, Gujarat University, Ahmedabad, Gujarat.		Dr. M. S. Patil		May 30 to June 26, 2017	
116 th Orientation Programme, HRDC, Dr. B.A.M.U., Aurangabad.		Mr. H. P. Panakkal		21.08.17 to 19.09.17	
Practical Machine Learning– A MOOC course from Johns Hopkins University Bloomberg School of Public Health, on Coursera web portal (4 weeks).		Mr. H. P. Panakkal		19.12.2017 to 16.01.2018	
Introduction to Genomic Technologies- A MOOC course from Johns Hopkins University Bloomberg School of Public Health, on Coursera web portal (4 weeks).		Mr. H. P. Panakkal		30.04.2018 to 29.05.2018	
Foundation Program in ICT for Education (FDP101x) and Pedagogy for online and blended teaching-learning process (FDP201x) under Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching, MHRD, Gov. of India.		Shri. S. G. Kulkarni		03-08-2017 to 07-09-2017 and 14-09-2017 to 12-10-2017	
Foundation Program in ICT for Education (FDP101x).		Mrs. V. N. Wadekar		03-08-2017 to 07-09-2017	
6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment):					
Teaching		Non-teaching			
Permanent	Fulltime	Permanent		Fulltime/temporarily	
21	21	19		19 FT	
6.3.5 Welfare schemes for					
Teaching		Co-operative society, housing loans, vehicle loans, computer loans, medical reimbursement facility			
Non teaching		Co-operative society, residential quarters, medical reimbursement facility.			
Students		Scholarships, Earn-and-learn scheme, Book Bank facility			

6.4 Financial Management and Resource Mobilization				
6.4.1 Institution conducts internal and external financial audits regularly(with in 100 words each)				
This Institute is run by Department of Higher and Technical Education, Govt. of Maharashtra. Therefore, internal financial audit provision is not permissible. However, regular or periodical audit and office inspection is done by competent authorities.				
6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)				
Name of the non-government funding agencies/ individuals	Funds/ Grants received in Rs.		Purpose	
Nil	Nil		Nil	
6.4.3 Total corpus fund generated- Nil				
6.5 Internal Quality Assurance System				
6.5.1 Whether Academic and Administrative Audit (AAA) has been done?				
Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	University Affiliation	Yes	Audit Committee
Administrative	No	-	Yes	Audit Committee
6.5.2 Activities and support from the Parent – Teacher Association (at least three)				
<ul style="list-style-type: none">• Parent-teacher association is not yet established in the Institute. However, parents are invited for feedback on the curriculum. Parents and teachers meet regularly and parents are kept apprised of the Departmental and Institutional activities.• Each year parents’ meet is held in all the Departments. During the meetings, the students, their parents, Director of the Institute, Heads of the Departments and faculty members have a healthy interaction and discussion on different issues concerning overall improvement and sustenance of quality in the education being imparted through the different courses in the Institute. Teachers give regular feedback to parents regarding the progress of students.				
6.5.3 Development programmes for support staff (at least three)				
<ul style="list-style-type: none">• The non-teaching staff members are motivated to use computers for the maintenance of the records, admission process and other departmental work.• They are encouraged to participate in training programs				
6.5.4 Post Accreditation initiative(s) (mention at least three)				
Section	Item	Initiatives undertaken		
2.1.2	Academic flexibility	CBCS has been introduced in the Institute since 2015-16. Students have the choice of selecting one service course out of those offered by the affiliating University.		
2.1.4	Feedback system	Feedback is collected from students, alumni and parents of the students. The feedback is analyzed and recommendations are given to respective departments for implementation and improvements in teaching-learning. Feedback is collected by designated personnel from another department in order to maintain transparency. In order to gauge the satisfaction level of students regarding the teaching-learning experience in the Institute, Student Satisfaction Survey is conducted for students graduating out from the institute.		

2.2.2	Catering to student diversity	Freshers are offered induction program in the form of Departmental counseling by HODs and faculty. In addition, Library orientation is scheduled at the start of the new academic year in order to allow them to get acquainted with huge reading resources and facilities available in the Central Library.
2.2.6	Student performance and learning outcomes	Necessary initiation for Academic and administrative audit has commenced. The internal audit has been carried out by designated faculty from the Institute. The necessary information for external audit has been submitted to the affiliating University.
2.3.3	Research facilities	Up gradation of research facilities is being continued. Laboratory consumables and equipment have been procured through DPDC funding. Sophisticated instrumentation as a central facility is being maintained in allied departments owing to paucity of trained staff for maintenance.
2.3.4	Research publications and awards	Faculty members are encouraged to publish papers in UGC listed journals. Students participated and presented research work in conferences and competitions. One Indian patent application with complete specifications is filed by a faculty member in the Indian Patent Office, Mumbai and the application is in process. Faculty members and students received awards and honours for innovations.
2.3.5	Consultancy	Necessary steps for exploring various avenues for consultancy utilizing faculty potential are being taken. At present, faculty members provide consultancy in ground water exploration, water analysis, forensic investigations and gamma irradiation.
2.4.1	Physical facilities for learning	Proposal for canteen facility is submitted to concerned government agency, viz. (PWD). However, due to paucity of funds, the facility could not be established.
2.4.3	IT infrastructure	Wi-Fi facility is augmented in order to provide better internet connectivity to staff and students.
2.5.2	Student progression	Students are provided guidance on career opportunities and competitive exams preparation. Placement initiatives are undertaken by the Placement Cell for on-campus and off-campus recruitment. A total of 43 students qualified National level competitive exams and 52 students were placed in industry and academics through Placement Cell. A total of 12 students proceeded for higher education after completion of PG.
2.5.3	Student participation and activities	Students encouraged to participate in co-curricular and extra-curricular activities. Students actively participate in annual cultural programme and sports organized by the Institute and other institutions.
2.7.1	Environment consciousness	Students carry out biodiversity analysis in the institute campus. The green coverage of the institute is enhanced through the activities of NSS unit.
2.2.4	Vacant teaching posts	Three vacant posts of Assistant Professor in the Botany Department are filled up.
2.5.1	Coaching for competitive exams	One-day free seminar on preparation for competitive exams was conducted. Faculty members regularly guide students for competitive examination preparations.

6.5.5

a. Submission of Data for AISHE portal : (Yes /No)- Yes

b. Participation in NIRF : (Yes /No)- No

c. ISO Certification : (Yes /No)- No

d. NBA or any other quality audit : (Yes /No)- No

6.5.6 Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to-----)	Number of participants
2017-18	Regular meeting of Internal Quality Assurance Cell (IQAC).	04-07-2017, 11-07-2017, 19-07-2017, 11-08-2017, 28-04-2018.	2017-18	04-07-2017 (09), 11-07-2017 (20), 19-07-2017 (26), 11-08-2017 (7), 28-04-2018 (5).
2017-18	One Day Free Workshop on Preparing for Competitive Examinations by Shri. Krishna Bhoge (Retd. IAS) and Shri. Nitin Bagate (UPSC Rank 673) for colleges affiliated to Dr. BAM University.	14-07-2017	2pm to 5pm	92
2017-18	Seminar on “Quality Sustenance Initiatives- Proposals for Research Funding & Conferences” by Prof. A. M. Deshmukh (Dr. BAM Univ.).	26-07-2017	4.00-5.00 pm	All faculty members= 21
2017-18	Feedback from students, alumni and parents collected, analyzed and recommendations given to respective Departments for improvements	2017-18	NA	Feedback= 164 respondents Student Satisfaction Survey= 45 respondents
2017-18	Academic Administrative Audit (AAA) conducted	26/29-02-2020	NA	Staff= 39, internal audit conducted by one-person committee= 01
2017-18	Students were encouraged to participate in the Open Day function and present the respective Department Activities to visiting school and college students.	14-08-2017	11am to 6pm	Students deputed by respective Departments
2018-19	Students motivated and honoured for the performance in final year PG examination by awarding Prin. S. P. Nanir Gold Medal to the M.Sc. Part II Department Topper in the subject of Botany under the aegis of the Alumni of Botany Department.	16.03.2019	01 Day	2016-17= 01 awardee, 2017-18= 01 awardee

2017-18	Solid Bio-waste conversion to fertilizer under joint initiative with Aurangabad Municipal Corporation, Aurangabad.	06-07-2017	4pm to 5pm	IQAC and Staff of Minorities Girls' Hostels= 05
2017-18	Swachhata Survey: registration of staff and students for Swachhata Mobile App under joint initiative with Aurangabad Municipal Corporation, Aurangabad.	06-12-2017	3pm to 4pm	Students= 186 Staff= 40
2017-18	Students encouraged to participate in cultural activities, sports and extension activities organized by the NSS unit.	2017-18	Specified timing	All students= 186
2017-18	Faculty members encouraged to focus on student mentoring, devote to research activities, establish academic linkages, organize seminars, conferences, etc. and student-centric activities such as excursions, educational visits, placements, etc.	NA	NA	All faculty members= 21

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 Gender Equity (Number of gender equity promotion programs organized by the institution during the year)

Title of the programme	Period (from-to)	Participants	
		Female	Male
Nil	Nil	-	-

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources

- Tree plantation programs are organized within the Institute, surrounding areas and in the adopted village
- A joint initiative was undertaken on 6 July 2017 with Aurangabad Municipal Corporation, Aurangabad to convert solid kitchen bio-waste into fertilizer. The project ensured safe disposal of solid waste emanating from the Minority Girls' Hostels in the Institute campus while generating good quality fertilizer that was utilized for growth of plants in the Hostel campus. Mr. Bhalchandra Paithane, Ward Officer, Aurangabad Municipal Corporation visited the Institute and offered know-how for converting solid waste into fertilizer.
- As a part of National Cleanliness Survey (Swachhata Sarvekshan), a special programme was organized in association with Minority Girls' Hostels and Aurangabad Municipal Corporation for registration of Staff and Students on Swachhata Mobile App on 6th December, 2017.
- 1 July to 7 July 2017- Tree plantation under the aegis of "50 Crore Mega Tree Plantation Campaign" of the Department of Forestry, planted 50 trees as initiative of NSS unit in collaboration with Sakla Landscapings, Aurangabad
- 11 August 2017- Health Check-up camp, NSS unit in collaboration with Aurangabad Municipal Corporation and Minority Girls' Hostels, Aurangabad
- Campus cleaning programs and tree plantation programs were organized regularly throughout the year within the building premises and the outside areas also.

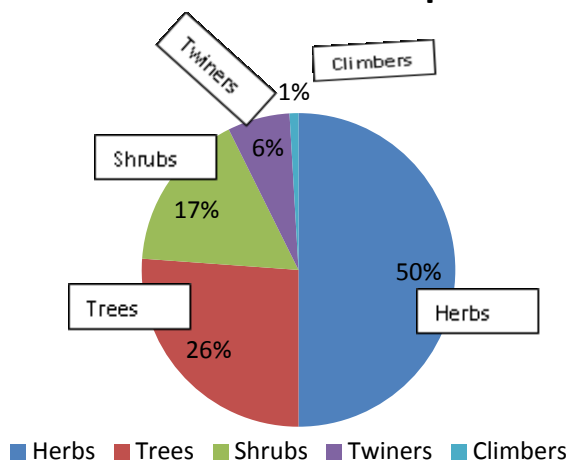
- Institute organized guest lectures and poster presentations to stress the important environmental issues and the need to conserve biodiversity, energy and the environment.
- Fluorescent tube lights are being replaced by LED lights in laboratory buildings.
- Solar power is used in Hostels for water heating and in Biophysics Department for water distillation.
- The NSS unit of the Institute rejuvenated “*Vanarai Bandhara*” (check dam) in adopted village Georai Kuber, Dist. Aurangabad. Contour trenches and loose boulder structures were constructed to prevent seepage of water down the hilly terrain. The efforts resulted in increasing the water table in the village.
- Each department of the Institute ensures proper disposal of potentially hazardous waste generated in the laboratories.
- Electronic instruments and computers are used with great care in order to prevent break down of the instruments. This minimizes the generation of e-waste. Instruments beyond repairs are being processed for write-off procedures as per the Government norms.
- 16 Sept. to 28 Sept. 2017- Swachhata Pakhwada under Rashtriya Swachhata Abhiyan, campus cleaning, cleaning inside the department buildings, hostels, mega cleanliness drive at “Buddha Vihar” near the foothills of a mountain near Aurangabad Caves, NSS unit under directives of Nagar Vikas Vibhag, Govt. of Maharashtra
- 6 Oct. 2017- Mega Cleanliness Campaign under Rashtriya Swachhata Abhiyan, cleaning the streets from Shahgunj area to Bhadkal Gate on the west and to Gulmandi on the south NSS unit in collaboration with the affiliating University and under directives of the Regional Commissioner, Aurangabad region.
- For self sufficiency in Energy, a Workshop on Fabrication of an Economical Biogas Plant” was organized by the NSS unit in adopted village Georai Kuber with Lecture and Practical demonstration by Dr. Nitin Adhasure, Vivekanand College, Aurangabad.
- Lecture on “Soil and Water Conservation” by Dr. K. M. Wanjarwadkar, Govt. Institute of Science, Aurangabad in the adopted village Georai Kuber.
- Awareness program on health and hygiene for primary school children of Zilla Parishad Prashala, Georai Kuber by Microbiology Student Volunteers;
- Cleaning of a village school- Trimbakeshwar Secondary School at Georai Kuber under NSS initiative.
- Workshop on preparation of paper bags to stop use of plastic bags and prevent plastic pollution by Ms. P. Sonawane, Institute of Science, Aurangabad, for the primary school students of Zilla Parishad Prashala, Georai Kuber.
- 28 Jan. 2018- Workshop on “Production of smokeless charcoal from cellulosic waste: by Dr. P. R. Puranik, North Maharashtra University, Jalgaon; workshop on “Production of *Azolla* for cattle and poultry feed” by Dr. P. R. Puranik in the adopted village Georai Kuber.
- Mega cultural show for social awareness in the adopted village by NSS volunteers.
- 19 Feb. 2018- Mega Cleanliness Drive at Ellora, Aurangabad NSS unit in collaboration with Govt. Institute of Forensic Science, Aurangabad, the affiliating University and under directives of the Regional Commissioner, Aurangabad region.
- 29 Jan. 2018- Mega Blood Donation Camp at adopted village Georai Kuber. NSS unit in collaboration with affiliating University, Govt. Institute of Forensic Science, Aurangabad, other associated colleges and Seth Nandalal Dhoot Hospital, Aurangabad.
- The faculty members of Botany Department assign the task of numbering the tree to the students as a part of practical/project work. The department has planted a number of rare and endangered medicinal plants in the Botanical Garden and in the campus. The study conducted revealed that the Institute is rich in floristic diversity representing a total of 55 families of angiosperms. A total of 218 species were recorded from the Institute campus. Grasses and shrubs are seasonal but the trees and climbers are perennial and contribute to the greenery of the campus. In the vicinity of the campus, is the Aurangabad Caves plateau which is densely covered in the

rainy season with the ephemerals and some of the rare plants, viz. *Ceropegia bulbosa* Roxb. *Chlorophytum tuberosum* (Roxb.) Baker, *Plumbago zeylanica* L. *Scilla indica* Roxb. *Utricularia* spp., *Woodfordia fruticosa* (L.) Kurz.. The growth of these vegetation indicates that environment in free from pollution.

- *Dalbergia sissoo* plants are naturally growing in the Institute campus, and they were conserved by regular trimming, pruning and watering practices. In all 270 plants were conserved along with the *Azadirachta*, *Ficus bengalensis*, *Ficus religiosa*, *Pongamia pinnata* and *Zyzipus*. The plants have grown in 6 quadrants constructed for landscaping.

	Dicotyledons			Monocotyledons	Totals
	Ploypetalae	Gamopetalae	Monochlamydeae		
Families	17	29	4	5	55
Genera	78	70	14	12	174
Species	83	104	12	19	218

Number of species occurring in the Institute Campus



7.1.3 Differently abled (Divyangjan) friendliness						
Items /Facilities			Yes/No		No. of Beneficiaries	
Physical facilities						
Provision for lift			No		None	
Ramp/ Rails			Yes		None	
Braille Software/facilities			No		None	
Rest Rooms			No		None	
Scribes for examination			No, will be made available as per need		None	
Special skill development for differently abled students			No		None	
Any other similar facility			No		None	
7.1.4 Inclusion and Situatedness						
Enlist most important initiatives taken to address locational advantages and disadvantages during the year						
Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
All years	Institute being situated in the zone inhabited by lower, lower-middle and middle class community, the rallies organized created social awareness amongst them	Institute being situated in the zone inhabited by lower, lower-middle and middle class community, the rallies organized created social awareness amongst them	As per NSS schedule	Social Awareness Rallies	Lack of awareness about cleanliness, hygiene and environment.	100
All years	Due to close proximity to the affiliating university, the PG students can opt for various subjects of their own interest under the mandatory Service Course available within the University Campus.	07 subjects, viz. Positive psychology, Plant tissue culture, Archaeology, Fine arts, Environmental Science, Pisciculture, Personality development.	Semester III each year	Selection of the Service Course	Availability of subject of choice and the necessary expert faculty to teach the subject.	Students of M.Sc. Part II= 18

All years	Due to close proximity to the affiliating university the students and staff of the institute could attend Ph.D. viva voce examination	NA	As per Ph.D. examination schedule	Attendance at Ph.D. viva voce	Giving exposure to PG and research students from institute to academic deliberations of Ph.D. viva voce	Students of concerned subject.
All years	Institute being State Government organization could establish the Unique Gamma Irradiation facility outside BARC in the renowned Biophysics department	Academic researchers and professionals from industries	Since July 1985	Establishing Gamma Irradiation Facility	Research in Radiation Sciences	PG and Research students from and outside the institute and industry professionals
All years	Institute campus spreading about 27 acres situated relatively isolated from the city, the unique facility of Gamma Irradiation could be installed and operated keeping in view the safety of general public.	NA	Since July 1985	Establishing Gamma Irradiation Facility	Radiation Safety	NA
All years	Since the Institute is situated very close to the historical Aurangabad Caves, it gives an opportunity to study the interior part of caves, as they are carved in different types of basaltic rock. In the PG syllabus, studies on basalt is an integral part of classroom discussion and field studies.	NA	Since July 2013	Experiential Learning - study of rocks and tunnels	Understanding the nature of the tunnels carved out in the caves aids in the comparison with modern-day tunnels dug out for road-ways, railways and water passage from dams. Due to proximity, students can visit the site frequently and study them at their own pace.	Students of concerned subject (Geology)= 35

All years	Since the Institute is situated very close to Hanuman tekdi, Amodi Hills and Gogababa tekdi, it gives an opportunity to study the various features and flows of Basaltic rocks such as red bole beds, ropy lava, vesicular structures, amygdules, pipe structures, spheroidal structures, etc.	NA	Since 2013	July	Experiential Learning - study of rocks and tunnels	Understanding the various features and flows of basaltic rocks such as ropy lava, vesicular structures, amygdules, pipe structure, spheroidal structures, etc. Due to proximity, students can visit the site frequently and study them at their own pace.	Students of concerned subject (Geology)= 35
All years	Since Institute is situated behind the Dr. Babasaheb Ambedkar Marathwada University, this also helped us to visit often the different dugwells present in campus of university to learn the subsurface geology and compare it with the dugwells present in campus of Institute. Subsurface geology is an integral part of study for understanding the possibility of water bearing horizon, i.e. aquifer.	NA	Since 2013	July	Experiential Learning - study of subsurface geology	Learning the subsurface geology and comparing it with dugwells in the Institute campus for predicting possibility of water bearing horizon. The knowledge prepares students to take up professional career as Hydrogeologist/ Geologist.	Students of concerned subject (Geology)= 35

All years	Since the Institute is situated very close hilly terian, it gives an opportunity to study the various joint patterns and their effects on groundwater and hydrogeological conditions from landslide point of view.	NA	Since 2013	July	Experiential Learning - study of subsurface geology	Joint patterns in the hilly region allow students to learn structures responsible for waterfalls present in this area and springs which come from different basaltic lava flow contacts.	Students of concerned subject (Geology)= 35
-----------	--	----	------------	------	---	--	---

7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100 words each)
Institute Website	First Published in September 2006, updated periodically	Institution Website displays the Code of Conduct for students, Code of Ethics for faculty members and nonteaching staff and the prospectus also includes the core values to be achieved. Weblink: www.inosca.org

7.1.6 Activities conducted for promotion of universal Values and Ethics

S. No.	Activity	Duration (from-to)	Number of participants
01	Maharana Pratap Jayanti	16-06-2017	All students and staff
02	Rajarshi Shahu Maharaj Jayanti	26-06-2017	All students and staff
03	Vasantrao Naik Jayanti	01-07-2017	All students and staff
04	Lokmanya Balgangadhar Tilak Jayanti	23-07-2017	All students and staff
05	Sahityaratna Annabhau Sathe Jayanti	01-08-2017	All students and staff
06	Krantisinha Nana Patil Jayanti	03-08-2017	All students and staff
07	Sadbhavana Diwas	20-08-2017	All students and staff
08	Raje Umaji Naik Jayanti	07-09-2017	All students and staff
09	Pandit Dindayal Upadhaya Jayanti	25-09-2017	All students and staff
10	Mahatma Gandhi & Lal Bahadur Shastri Jayanti	02-10-2017	All students and staff
11	Dr. A.P.J. Abdul Kalam Jayanti	15-10-2017	All students and staff
12	Maharshi Valmiki Jayanti	24-10-2017	All students and staff
13	Indira Gandhi Punyatithi & Rashtriya Sankalp Diwas	31-10-2017	All students and staff
14	Vallabhbhai Patel Jayanti & Rashtriya Ekta Diwas	31-10-2017	All students and staff
15	Pandit Nehru Jayanti	14-11-2017	All students and staff
16	Birsa Munda Jayanti	15-11-2017	All students and staff

17	Indira Gandhi Jayanti & Rashtriya Ekatmata Din	19-11-2017	All students and staff
18	Sanvidhan Diwas	26-11-2017	All students and staff
19	Savitribai Phule Jayanti	03-01-2018	All students and staff
20	Jijau Maasaheb & Swami Vivekanand Jayanti	12-01-2018	All students and staff
21	Netaji Subhashchandra Bose Jayanti	23-01-2018	All students and staff
22	Chhatrapati Shivaji Maharaj Jayanti	19-02-2018	All students and staff
23	Sant Gadgebaba Maharaj Jayanti	23-02-2018	All students and staff
24	Yashwantrao Chavan Jayanti	12-03-2018	All students and staff
25	Shahid Din	23-03-2018	All students and staff
26	Mahatma Jyotiba Phule Jayanti	11-04-2018	All students and staff
27	Dr. Babasaheb Ambedkar Jayanti	14-04-2018	All students and staff
28	Mahatma Basaveshwar Jayanti	18-04-2018	All students and staff
29	Sant Tukdoji Maharaj Jayanti	30-04-2018	All students and staff
30	Dahshatwad ani Hinsachar Virodhi Diwas	21-05-2018	All students and staff
31	Swatantryaveer Savarkar Jayanti	28-05-2018	All students and staff
32	Ahilyadevi Holkar Jayanti	31-05-2018	All students and staff

7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)

- **Campus cleaning programs:** The NSS volunteers carry out campus cleaning and parthenium grass removal activities throughout the year. The volunteers participate in rallies aimed at spreading the awareness amongst general public regarding clean, green and safe environmental and the need to conserve biodiversity, energy and the environment.
- **Clean city initiative:** The NSS unit in association with all students of the Institute participated in Mega Cleaning campaign under the directives of the Regional Commissioner to clean the city of Aurangabad and other places around the city. Under the Clean City Survey, a special programme was organized under the aegis of Aurangabad Municipal Corporation for registration of students on the Swchchata App launched by the Municipal Corporation.
- **Solid Waste Disposal:** A joint initiative was undertaken by Government Minority Girls' Hostels and Aurangabad Municipal Corporation for conversion of solid biowaste into compost with the Ward officer Mr. B. Paithane.
- **Energy conservation:** The Institute has adopted several practices for energy conservation such as minimizing use of energy intensive devices, use of power saving devices, solar equipment and pooling the work elements that are energy intensive. The Institute makes use of power saving CFL bulbs for illumination purposes, LED computer monitors and energy saving air conditioners/refrigerators, etc. The fans and lights are put on only when required. In the Department of Microbiology, the autoclave, ovens, hot plates, etc. are put on by authorized personnel or students only after all material is pooled and repetitious use of the instruments is avoided.
- **Use of renewable energy:** The Department of Biophysics uses solar power operated water distillation unit to save energy. Solar water heater is installed in the Boys Hostel to provide hot water to the students. NSS unit conducted workshop of fabrication of biogas plant at affordable price and stressed to need to use renewable energy during NSS camp at the adopted village Georai Kuber, The production of smokeless charcoal was demonstrated in another workshop at the adopted village. In view of the benefits of non-conventional energy resources, a workshop on fabrication of a Biogas Plant was conducted in the adopted village.
- **Water Harvesting and Check Dam Construction:** The NSS unit of the Institute constructed Check Dam and carried out contraction of Contour Trenches and Loose Boulder Trenches in the adopted village Georai Kuber

for water conservation. These efforts would significantly increase the ground water level in the area.

- **Efforts for Carbon neutrality:** The Institute staff makes minimal use of paper and green-house gas emitting devices. The Institute is about to install e-governance system in order to have paperless office. Minimization of paper is an attempt to reduce the cutting down of trees for paper manufacturing. The Institute encourages new tree plantation within the campus and also in the surrounding areas.
- **Plantation:** The Institute has carried out tree plantation within the campus under the NSS regular programmes. The faculty members of Botany Department assign the task of numbering the tree to the students as a part of practical/project work. The department planted number of rare and endangered medicinal plants in Botanical Garden and in the campus.
- **Hazardous waste management:**
- Each department of the Institute ensures proper disposal of the potentially hazardous material/waste generated in the laboratories. The Microbiology, Biotechnology, Biophysics and Botany Departments sterilize all waste microbial cultures by autoclaving prior to disposal. Chemicals such as polyacrylamide and other hazardous chemicals are disposed using proper care.
- **E-waste management:** Electronic instruments and computers are used with great care in order to prevent break down of the instruments. This minimizes the generation of e-waste. Instruments beyond repairs are being processed for write-off procedures as per the Government norms.
- In order to reduce the biological waste generation, books are gifted to guests and awarded to staff/students instead of flowers and bouquets. Department of Botany distributes plantlets to the students for plantation in their residential areas or in the Institute campus.

7.2 Best Practices

Describe at least two institutional best practices. Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link.

<http://www.inosca.org/iqac/best-practices-2017-18.pdf>

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust
Provide the weblink of the institution in not more than 500 words

<http://www.inosca.org/iqac/institutional-distinctiveness.pdf>

8. Future Plans of Action for Next Academic Year (500 words)

- To encourage Heads of the Departments to formulate the structure of MoUs with academic and professional organizations, keeping in view collaborative research activities, expected mutual benefits and interests of students and faculty members; however, without any financial commitments, being a Government Institute.
- Considering the need to increase visibility of the Institute, updating the institute website to make it dynamic and more informative and to appoint a faculty member to monitor the website updation.
- Tapping of funds from different funding agencies for development of infrastructure.
- Mentoring the PG students for submission of research proposals for Summer Research Fellowships 2019 under National Academies of Science.
- Encouraging faculty members to participate in framing and revision of PG syllabi.
- Encouraging faculty members to participate in Faculty Development Programs for knowledge and career progression.
- Encouraging staff members to submit research projects to various funding agencies, pursue research work, and publish papers in peer reviewed, refereed and UGC-listed, scopus-indexed and high impact factor

journals and to participate in and organize conferences.

- Advising all departments to submit uniform time-table of lectures considering slot for service course lectures and to take measures to ensure 100% student attendance for theory and practical sessions.
- Encouraging faculty members to organize workshops for Competitive Examinations and encouraging Placement Cell to organize on-campus and off-campus placement activities and career guidance programmes for students.
- Encouraging NSS unit to carry out unique activities for developing sensitivity in the students towards the society, environment and the Nation and for upliftment of society through various awareness programmes.
- Encouraging students to participate in Avishkar-18 research competition paper ,itionsposter compet , presentations and extracurricular activities
- Encouraging faculty members to organize lectures of eminent scientists to provide students with a glimpse of current trends in scientific research. Designing and implementation of different activities aimed at improvement of student skill and knowledge through ,Lecture Series and Workshopsinvited talks of experts and professionalsfrom industry/ academia and implement good mentoring practices.
- Encouraging faculty members to arrange programmes aimed at nurturing scientific communication skills of students and to arrange study tours for keeping abreast with recent trends across fields related with the subject.
- Active promotion of student participation in seminars, presentations, extracurricular activities, summer training, national/international symposia, conferences and workshops.
- Building and sustenance of platform for interaction of stakeholders associated with the Institute.

<p>Name: <u>Dr. Aniroodha V. Pethkar</u></p>  <p>Signature of the Coordinator, IQAC</p>	 <p>***</p>	<p>Name: <u>Prof. Rajendra A. Satpute</u></p>  <p>nature of the Chairperson, IQAC</p>
--	--	---