



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution		SCIENCE COLLEGE
Name of the head of the Institution		DR DILIP UKANDA GAWAI
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		02462250465
Mobile no.		9420538667
Registered Email		principal@sciencecollegennd.org
Alternate Email		sciencecollege1950@gmail.com
Address		P. O. Box No. 62, Sneh Nagar, Nanded
City/Town		Nanded
State/UT		Maharashtra
Pincode		431605
2. Institutional Status		

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	state
Name of the IQAC co-ordinator/Director	DR ANIRUDDHA SOUNDAJI BANSODE
Phone no/Alternate Phone no.	02462250465
Mobile no.	9420848612
Registered Email	sciencecollege1950@gmail.com
Alternate Email	principal@sciencecollegennd.org

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.sciencecollegennd.org/index.php/aqar-2017-18/
4. Whether Academic Calendar prepared during the year	Yes
if yes, whether it is uploaded in the institutional website: Weblink :	http://www.sciencecollegennd.org/index.php/academic-calendar-2/

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	A	3.04	2004	16-Feb-2004	15-Feb-2009
2	A	3.47	2011	30-Nov-2011	29-Nov-2016
3	A	3.38	2017	27-Nov-2017	26-Nov-2022

6. Date of Establishment of IQAC	15-Jun-2005
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7. Internal Quality Assurance System

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 IQAC	15-Apr-2019 1	11
Regular Meeting of IQAC	27-Mar-2019 1	11
Regular Meeting of IQAC	25-Feb-2019 1	21
Regular Meeting of IQAC	23-Jan-2019 1	10
Regular Meeting of IQAC	26-Dec-2018 1	11
Regular Meeting of IQAC	03-Dec-2018 1	10
Regular Meeting of IQAC	20-Sep-2018 1	12
Regular Meeting of IQAC	05-Jul-2018 1	12
Scrutiny and forwarding the application for promotion under CAS	20-Nov-2018 3	3
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Science College Nanded	CPE	UGC	2016 365	96000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

8

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

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

Scrutiny and forwarding the applications for promotion under CAS. Skill enhancement courses implemented for B.Sc. Second and Third year. Awareness among students about Student Satisfaction Survey. IQAC encourage EcoFriendly Committee to organize State Level Competition on BEST FROM WASTE. IQAC encourage to departments to organize seminars/workshops/conferences/guest lectures/bridge courses etc. Department of Fishery Science organized National Conference on Recent Trends and Advances in Fresh Water Biodiversity on 25th September 2018. Department of Geology organized On Day National Workshop on Earth Science Education in Maharashtra on 1st January 2019. Department of Physics Electronics organized One Day National Workshop on Lab Experiments in Physics on 28 January 2019. Department of Botany, Physics and Chemistry organized Lecture series during the academic year.

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

Plan of Action	Achivements/Outcomes
Master Time table	Master Time table are prepared for implementation of academic year.
Student Database	Category wise and gender wise student database is prepared.
NIRF	Participated in NIRF.
Star College Proposal	Submitted to DBT for financial assistance.
RUSA proposal	Submitted RUSA Proposal to Government of Maharashtra.
Implementation of CPE	CPE grants received and utilized partly.
Skill enhancement courses	Implemented successfully to the students of UG.
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
College Development Committee	29-Mar-2019

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

Yes

Date of Visit

13-Nov-2017

16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	27-Feb-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	MIS of Government of Maharashtra, Directorate of Higher Education.

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

• At the beginning of academic session (2018-19) college has prepared Academic Calendar. The academic calendar is included into the Academic diary of teacher as per circular of S.R.T.M. University, Nanded. • The academic diary includes actual teaching days (180 days), Time Table, Date of internal examinations, vacation, first term and second term schedule. • Orientation programme is organized for B.Sc. I and M.Sc. I newly admitted students to understand mechanism of college, curriculum and its implementation. • Time table of Ist Semester and IInd Semester are prepared and implemented. • Teachers prepared semester wise teaching plans as per curricula prescribed by the University. • At the beginning of the academic year all heads have conducted meeting with faculty of department and the syllabus are distributed among them according to their specialization. • Number of lectures for each topics are decided as per university guidelines and some extra periods are also decided to take on Sundays and holidays to complete the syllabus. • According to syllabus, teachers prepared their teaching plans and note down their lectures engaged in academic diary which are monitored by HOD and Principal regularly. • Along with chalk and talk method teachers use ICT for better and effective teaching learning process. • Some teachers use different software, models and charts for effective teaching. • Group discussion, seminars, dissertations, field works, survey, education tours are organized for better understanding of curriculum. • Some teachers and students registered for NPTEL Online Courses for which credits are approved by S.R.T.M. University, Nanded. Students use Internet Resource Centre of college for online courses. • College teachers have conducted class test, unit test, surprise test, seminars after completion of topics. • Teachers have engaged extra classes on Sunday and holidays to complete their syllabus. • Students and teachers have used Central Instrumentation lab for completion of their projects. • Central library as well as departmental library has large no. of books, journals along with some rare books and back volumes. • Time table committee has prepared master time table and principal of college monitors the classes and practicals accordingly. • Department of Botany, Zoology, Geology, Agri. Microbiology, Agrochemicals and fertilizers have organized field tours while Chemistry, Physics, Microbiology department organized industrial visits for effective implementation of the curriculum prescribed by the University. • Guest lectures and lecture series

are organized to achieve extra knowledge in the subject. • Seminars, Workshops, Conferences are organized for better understanding of the subject and to inculcate research attitude among the students. • Remedial classes are conducted for slow learners and special assignment is given to advanced learners. • NET and SET unit of college has organized classes as per the curricula of NET/ SET examinations.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
English Communication	0	05/07/2018	120	Employability	Communication skill

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BSc	No	30/04/2019
View File		

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	Programme Specialization	Date of implementation of CBCS/Elective Course System
BSc	2	18/06/2018
MSc	9	18/06/2018

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	50	0

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
0	30/04/2019	0
View File		

1.3.2 – Field Projects / Internships undertaken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MSc	Field Project for M.Sc. Botany Students	20
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes

Alumni	Yes
Parents	Yes

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

Feedback Obtained

The structured questionnaires are framed by college feedback committee under the guidance of IQAC. The feedback forms received from the students are scrutinized by IQAC and suggestions for improvement are implemented in the institute. College has complaint box where students drop their written complaints, demands. After that Principal Grievances Redressal cell have discussed on the suggestions and views of students and takes the appropriate action. Feedback has been taken on various facilities such as sports facilities, NSS, NCC, drinking water, library, Internet facility, teaching learning process, laboratory facility, canteen, office etc. Parents meetings are organized and feedbacks received from the parents are taken into consideration for improvement. Alumni association of the college has conducted alumni meetings and collects feedback from them which are discussed in the IQAC and action taken plan is implemented as per the suggestions. Teachers gave feedback in the staff meeting according to their respective committees. Principal, IQAC Coordinator, Staff Secretary and all teachers have discussed the various problems related to teaching learning, curricular, co-curricular and extracurricular activities which are taken into account for future planning and development. Different issues, suggestions and views related to the development of college as well as students are discussed and forwarded to the statutory body of the institutes for overall development of the institution. Anti-ragging committee monitors the anti-ragging activities of the students and feedback of students reported to the principal. The various proposal and lab requirements submitted by the Head of the various departments to the office are forwarded to the Secretary/ Chairman of Nanded Education Society. Proposals are sanctioned by administrative authority of our institute. Principal and society member encourage the teachers for research, publication of research paper in reputed journals. Institute also encourage faculty to organize conferences, seminars, workshops, lecture series, guest lectures, bridge course to study current discovery and research. Departments of the college maintain the detail records of internal examination, theory and practical assessment projects, project reports, attendance of the students etc.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BSc	General	480	572	413
MSc	Botany	30	202	36
MSc	Mathematics	80	349	88
MSc	Zoology	30	78	32
MSc	Analytical Chemistry	30	177	35
MSc	Organic Chemistry	30	177	37
MSc	Physics	30	162	39

2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1027	548	33	29	33

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 (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
33	33	19	19	2	5

[View File of ICT Tools and resources](#)[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The institute has tutor-ward system for mentoring the new admitted students. The students come from different socio economic and cultural backgrounds. Principal and convener of the tutor ward committee assign certain number of students to mentor them and solve their difficulties. At the beginning of academic year the committee displays the list of students and their mentor on (Mentor-Mentee) the college notice board. The convener conducts the meeting to guides the members of committee about the role and working of committee for the students. They organizes orientation program for the new comer students to make them familiar with the various courses, career opportunity and curricular and extracurricular activities in the college. The head of the departments also introduce the facilities available in the department, laboratories projects and research in the department. College conducts class test, oral test, G.K. test and find out the slow learners and advanced learner among the students. In order to improve the academic standard of slow learner a scheme of remedial coaching is implemented and extra classes are conducted to bring these students up to the mark. Such students are encouraged and motivated to read e-books available in the library, video lectures, PDF, etc. If there are some personal problems to the students then mentors take the responsibility to solve them and communicate to concern teacher and Principal. The mentor also look after the attendance and progress of the students. He also encourage the advanced learner to enroll for online certificate courses, competitive examination and research. Mentor contacts the students through e-mail, mobile no. and guides them. With the help of Career Guidance cell and Language department slow learners are motivated to upgrade their language proficiency and communication skills. Advanced learners are motivated to appear for UPSC, MPSC, NET, SET, GATE and other competitive examinations. Personality development program are also organized to improve their personality, comprehension and representation abilities along with mentor. Result improvement committee of the college guide the slow learner in order to decrease the dropout rate. The mentor also helps the students on the basis of psychological observation if needed. The students also contacts the mentor regularly and gain valuable suggestion to overcome their difficulties. The Mentor: Mentee ratio in the college is 1:17. The mentor teachers collect all the information of students through the students profile format having details of name, address, date of birth, blood group, hobbies, participation, subject wise marks, academic difficulties etc. Teachers discuss the difficulties not only with the students but also with their parents and try to minimize the individual problems of the students. The mentor monitors the attendance, performance and progress of the mentee. Teachers also encouraged to participate in NCC, NSS, conferences, seminars and workshop etc. The significant improvements in the overall development of the students were observed. Some students passed NET/SET/GATE examination, competitive examination and some placed in defense and government offices.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
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1575

93

1:17

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
0	0	0	0	0

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Aruna Rajendra Shukla	Associate Professor	International Tathagath Srujan Samman, Uttarpradesh
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2.5 – 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
MSc	Physics, Chemistry, Mathematics, Botany, Zoology, Computer Science	Semester	15/05/2019	18/06/2019
BSc	Biotech	Semester	15/05/2019	18/06/2019
BSc	Nil	Semester	15/05/2019	18/06/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The college examination committee conducts two internal examinations according to CBCS Pattern implemented by university. Department of Chemistry has conducted class test, unit test and seminar for continuous evaluation of students. Project on different topics of curriculum are given the students. The projects of students are assessed and marks are given accordingly. Department has organized industrial tours for better understanding of product formation in the industry. Department of Botany has organized study tour for identification of plant species and collection of samples. They provide assignment for the students along with department test, seminar and tutorials. Every student is encouraged to give seminar. The students of herbal medicine visit the medicinal garden on the campus for identification of medicinal plants. Department of Mathematics has carried out NET/ SET/ GATE pre-examination tests for M.Sc. students. They regularly conducts seminars and internal as well as monthly tests. The evaluation and internal assessment of students are discussed in the

department. Department of Statistics has conducted unit test, class test and internal examination on curriculum as well as data analysis. Department of Microbiology conducts online test, class test, organizes seminar and group discussion. They also conducts practical test in the department for better understanding to the students. Department of Physics and electronics has organized hands on training, lecture series for students along with regular tests, tutorials and seminars. Department has taken pre-semester test, surprise tests and gives assignment to the students. Department of Geology has organized study tour for identification and collection of geological samples. Along with this seminars, class test, field visit are regular features. Department of Zoology also organized study tour and identify animal species. Orientation programme organized for CBCS pattern question in the department. Students are divided into groups and special tests are conducted for slow learners. Remedial coaching classes are taken to improve the weaker students. Certain topics are discussed with students for better understanding. Department of Fishery Science organized one day workshop to test the skill of the students for preparing fish curry, fish products and fish feed. The faculty along with students visits the fish market, water bodies for identification of fishes. Department of Computer science has organized workshop on Programming Web Designing, Bridge course, etc. and also conducted online test of the students. They also organized seminars, viva-voce, and project presentations in the department. Department of Language takes internal examination, assignment, essay competition, poetry competition, poster presentation and conducts various activities to develop the language fluency of the students. The faculty of all the department conduct internal examinations, class test etc. and evaluate performance of the students for every experiments having results, procedure and regularity. Departments allowed students to utilize laboratory facilities after college hours.

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

conducted at the end of each semester according to time schedule of the university. The institute has displayed examination time table on notice board as well as on college website. The examination time table is displayed on library notice boards. College has conducted pre-semester examination and assesses the students internally. The academic calendar is included in teacher's academic diary along with personal information of teachers. The academic calendar consists of dates of Diwali and summer vacation. The academic calendar is also displayed on notice board as well as notice boards of library and various departments. The first and second semester examination dates, college internal examination dates are mentioned in college academic diary. The college internal examination time table is also displayed on notice boards. The college examination schedule is also given in teachers daily teaching report dairy. 1) College examination committee conduct presemester examination before university semester examination 2) The faculty conducts class test, unit test, vivo vice, practical examination, seminars, project vivo before university examination. 3) Field visit, industrial visit, study tour are organized before students examination. The college time table committee prepared master time table which is displayed on the notice board at the beginning of the Academic Year. The different dates like parent- teachers meeting, NSS Camp, IQAC meeting, students annual function, important days, details of leaves, are mentioned in the DTR.

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.sciencecollegennd.org/index.php/programcourse-outcomes/>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
Nil	BSc	General	293	97	33
Nil	BSc	Biotechnology	2	2	100
Nil	MSc	Botany	34	33	97
Nil	MSc	Mathematics	86	47	54.6
Nil	MSc	Physics	25	8	32
Nil	MSc	Analytical Chemistry	23	21	91.3
Nil	MSc	Organic Chemistry	26	19	73
Nil	MSc	Computer Science	14	10	71.4
Nil	MSc	Zoology	33	22	66.6
Nil	MSc	Biotechnology	5	5	100
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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)

[Not done](#)

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 year
Minor Projects	730	SRTM University Nanded	100000	100000
View File				

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
Delivered lecture on Understanding Intellectual Property Right	IQAC	05/04/2019

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
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Best College Award	Science College, Nanded	Swami Ramanand Teerth Marathwada University, Nanded	12/12/2018	College
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
0	0	0	0	0	30/04/2019
View File					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
Mathematics	1
Botany	1
Zoology	2
Chemistry	1

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Chemistry	7	4
International	English	3	4.3
International	Fishery	7	4.7
International	Mathematics	4	4.1
International	Zoology	5	6.2
International	Botany	5	3.3
View File			

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

Department	Number of Publication
Botany	5
Fishery Science	5
Chemistry	5
Mathematics	11
English	2
Statistics	3
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Microwave assisted synthesis and antimicrobial study of some novel 2-azetidines derived from 2-(1-phenylimino-ethyl)-naphthalen-1-ol	A T Shinde	Orbital	2019	0	0	0
Axi-symmetric thermoelastic stress analysis of a thin circular plate due to heat generation	K R Gaikwad	International Journal of Dynamical Systems and Differential Equations (2019) 9(2) 187-202	2019	0	0	0

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
0	0	0	2018	0	0	0

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	2	13	1	0
Presented papers	7	9	0	0
Resource persons	1	0	4	4

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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 participated in such activities	Number of students participated in such activities
Swachata Abhiyan Rally	Zilla Parishad and NWCMC, Nanded	2	150
National Integration Rally	SRTM University, Nanded and NIFA, New Delhi	2	70
Blood Donation Camp	Red Cross	6	39
Kerala Flood Relief Fund	NSS and NCC Unit	5	73
Plastik Mukti Abhiyan	Eco Friendly Committee, NSS Unit and Nagari Kruti Samiti, Nanded	7	62
Annual Special Camp	Gram Panchayat, Alegaon Tq Dist Nanded	8	112
Sanvidhan Rally	NSS and NCC Unit	4	123
World Environmental Day	Eco Friendly Committee and NCC, NSS Unit	9	202
International Yoga Day	52 MAH BN NNC, Nanded	5	52
Srimad Bhagwat Geeta Competition	Dasganu Bhakt Mandal, Nanded	16	340
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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	Number of students Benefited
Youth Power for Environment	Excellent NSS Volunteer Award	Gondwana University, Gadchiroli	1
View File			

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/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
International Womens Day	NSS Unit, Science College, Nanded	Speech on Gender Equity	4	61
AIDS Awareness	Government of Maharashtra	AIDS Awareness Rally	2	100
Swacchata	Eco Friendly	Swachh Abhiyan	6	70

Abhiyan Pandharwada	Committee and 52 MAH BN NNC, Nanded			
Cleanliness Rally	NCC Unit, Science College, Nanded	Rally	2	52
Cleanliness of River Godavari	Eco Friendly Committee	Cleanliness	2	30
Election Awareness	Collector Office, Nanded and Science College, Nanded	Election Awareness among Girls and Boys	2	250
Yuva Mahiti Doot	District Information Officer, Nanded and Yeshwant College, Nanded	Yuva Mahiti Doot Programme	2	100
NIC Camp	Government of India, Ministry of HRD, Delhi	NIC Camp, Narsapur Telagana State	1	10
World Water Day	NCC Unit, Science College, Nanded	Water Conservation	2	52
District Youth Parliament	NSS Regional Office, Pune	District Youth Parliament	1	5
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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
0	0	0	0
View File			

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	Duration To	Participant
0	0	0	30/04/2019	30/04/2019	0
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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/Activities	Number of students/teachers participated under MoUs
Siddharth Research	13/12/2018	Research	5

Center, Nanded

[View File](#)**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	Budget utilized for infrastructure development
25250904	25250904

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Others	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Newly Added
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
View File	

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	Fully	2.0	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	24915	1953926	710	157837	25625	2111763
Reference Books	9548	2930889	436	808893	9984	3739782
e-Books	135000	95000	0	0	135000	95000
Journals	161	291766	44	121153	205	412919
e-Journals	6000	5700	0	0	6000	5700
Digital Database	2	46670	0	13570	2	60240
CD & Video	295	0	0	0	295	0

Others (specify)	13	0	16	0	29	0
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4.2.3 – 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
0	0	0	30/04/2019
View File			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	191	3	12	11	1	1	10	100	0
Added	0	0	1	0	0	0	0	50	0
Total	191	3	13	11	1	1	10	150	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

100 MBPS/ GBPS

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
0	http://sciencecollegennd.org

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	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
572581	572581	5684214	5684214

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The institute has Infrastructure Maintenance Committee and Purchase Committee to look into the maintenance and utilization of physical, academic and support facilities. The Governing Council and College Development Committee of the institute give the permission for new construction and maintenance of laboratories as well as class rooms. All the maintenance and repairing of instruments of different department are carried out by the technician from outside as per the requirements on work basis and it is monitored by the committees. Some faculty and non teaching members have been trained in the workshop on maintenance and repairing of instruments. These trained staff look after the maintenance of important scientific instruments. Head of the

departments discuss the various departmental requirements like instruments, equipments, glass wares, chemicals, books and journals, computers, renovation of laboratories, library building, canteen etc. during the year. Departmental budgets are prepared and placed before college development committee and get approved. This is also placed before Purchase Committee to finalize the order.

The college receives financial help from Nanded Education Society and some amount gets from non grant courses fee. Light bills, telephone bills, security guard salary, office expenses, travelling allowances, CCTV-Surveillance expenses are also maintained from college budget. The funds received from DST-FIST and CPE are utilized for purchasing of new instruments, up-gradation of labs, renovation of classroom, ICT halls, up-gradation of library etc. The maintenance of the instruments labs, college campus are regularly done with the help of college budget. The installation of major instruments like Spectrophotometer, UV Spectrophotometer etc. are done by respective branded company with installation charges as well as free maintenance of three years. The maintenance of Indoor hall and running track are done from college budget. University provides some funds to NSS for different extra curricular activities and camp. The lush green garden, medicinal garden, fruit garden, botanical garden, fish tank, solar system, biogas plant, vermi compost plant, RO Water Filter etc. are maintained time to time with the help of labors and daily wedges workers.

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	Student Welfare Fund	27	47300
Financial Support from Other Sources			
a) National	Government of India Scholarship	545	1350000
b) International	0	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Bridge Course	04/02/2019	14	Department of Computer Science
Language Lab	02/07/2018	713	English Department
Remedial Coaching	18/07/2018	85	Remedial Coaching Committee
Yoga	21/06/2018	67	Science College, Nanded
Orientation Programme	02/07/2018	413	Science College, Nanded
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Career Counselling	413	413	36	36
View File					

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	Number of grievances redressed	Avg. number of days for grievance redressal
3	2	15

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
ICICI Bank	297	36	Nil	0	28
View File					

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
2019	128	Science College, Nanded	Science College, Nanded	Science College, Nanded	MSc
View File					

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	Number of students selected/ qualifying
NET	3
SET	14
View File	

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

Activity	Level	Number of Participants
Hindi Divas	College	67
Essay and Poetry Competition	College	83
Entrepreneurship	College	74

Awareness Camp		
Kulguru Chashak	University Level	6
Speak for India	District Level	44
ICT C Zone Table Tennis Tournament	Intercollegiate	10
ICT C Zone Badminton Tournament	Intercollegiate	12
C Zone Badminton Tournament Boys Girls	Intercollegiate	5
All India Inter University Table Tennis Coaching Camp	IUT	1
Annual Social Gathering (Cultural and Sports Competitions)	College	834
View File		

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/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	0	National	0	0	0	0
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Due to State Government policy elections were not held during the year 2018-19. The college has well functional student's council having sufficient representation on Academic and Administrative bodies. The student council of the college is constituted on the basis of merits to perform various activities, different campus events and to ensure harmony in the campus during the course of academic year. The members of student's council are on various committees of the college and actively involves in working and functioning of the committees. They have helped to organize various national festivals, birth anniversaries of national leader, science day, debate competition, cleanliness of the campus, workshop, tree plantation, paper and poster presentation, project competition in college campus. Student council celebrates national woman day, Republic day, Independence Day, Teachers day etc. Members of student councils are actively involved to organize state level competition on Best from Waste with eco friendly committee, state level Swami Ramanand Teerth debate competition. They also help to college administration to maintain discipline and decorum on the campus. They also help the students to solve their problems regarding admission, NSS, NCC, sports participation, laboratory, internet facilities. Under the guidance of faculty in Student Progression Committee the students gain leadership quality, administrative skill, synergy, team work. It helped the Student Council to organize Annual Social Gathering. They also helps for close and sound relation between students and teachers Student council helps to organize welcome function, fare well function, science project, guest lecture, tree plantation, cleanliness of the campus etc that are regular yearly activities. Member of Student council participate in blood donation camp, NCC and NSS camp, Voters awareness camp, Yoga day, Swacha Bharat Abhiyan and help

students for library, sports, canteen facilities. Students celebrate "Annual Social Gathering" and perform various activities. Mementos and trophies are given to the 1st 2nd and 3rd winner in the various competitions. Some students donated benches to college canteen. The Student council mainly involve in the following activities- 1) Feedback from stakeholders 2) Cultural events and competitions 3) Outdoor and indoor games 4) College magazine and wall papers 5) Remedial coaching 6) Earn and learn scheme 7) Study and industrial tours, Field visits. 8) NSS and NCC camps 9) Hostel and Canteen Facility. 10) Annual social Gathering. 11) Admission and Administration process. 12) Campus cleanliness 13) Shram Sanskar Yuva Summer camp 14) Summer Cricket camp for school students 15) Water Conservation and Biodiversity of college

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The institute has registered Alumni Association according to Government act. List of its current office Bearers: President : Principal of college Vice-President : Dr. S. S. Wadje Secretary : Dr. L. P. Shinde Members : Shri. M. A. Joshi, Dr.D.M. Jadhav, Dr. V. B. Chavan, Dr. K. S. Shillewar, Dr. Mrs. A. R. Shukla, Shri. S. V. Gangakhedkar, Mrs. M. H. Raut ? Number of Alumni visited our college and delivered lectures to the students on preparation of competitive examinations. ? Alumni of this institution have formed an education society, which runs a high school in the campus. The name of the school is "N.G. Bhalerao" High school, NES campus, Nanded. ? Alumni meeting held for discussion of college development and their suggestion are taken into consideration. ? Alumni meet of batch 1971-1973 was conducted in 2016. ? Alumni meetings are arranged in the institutions and were felicitated by giving memento and books. ? The alumni meet on 10/02/2019 and 03/03/2019 and discuss college progress and development. In this meet MLA Shri. Hemant Patil addressed to the alumni about his experiences and social work. ? Some alumni helps the students by putting the prizes in the memory of their beloved. ? Alumni help in the construction of classroom. ? Some philanthropic alumni donated money to the college for development. Association organized annual meetings informal discussion with various alumni regarding the development of college.

5.4.2 – No. of enrolled Alumni:

530

5.4.3 – Alumni contribution during the year (in Rupees) :

50000

5.4.4 – Meetings/activities organized by Alumni Association :

- Institute has bright alumni working at prestigious National and International organizations.
- It inspires prominent alumni for their financial support and involvement in the development of institution.
- Alumni meet was organized on date 10/02/2019 and 03/03/2019 through which some important suggestions for enhancement of quality education, infrastructure and to establish linkages with reputed institutes were received.
- Some alumni decided to donate books and stationery to poor students while some decided to help in the construction of halls and laboratories.

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)

1) Principal Level: The Nanded Education Society governing council appoint Principal for college administration who is employer of the teaching and nonteaching staff as well as Chairman of the IQAC. The Governing Council of the Nanded Education Society also appoints Vice-Principal with the help of Principal for decentralization of administration. The different committees are constituted in the college for smooth functioning of the Academic Activities. The faculty gets the representation through these committees. 2) Faculty Level: Faculty members are given representations on the following committees by Principal and IQAC Co-ordinator as a Convener and members. The convener of the respective committee conducts the meetings and perform various activities according to guidelines provided by the Principal. The following different committees are constituted by the Principal, Vice Principal, IQAC Coordinator and staff secretary of the college for smooth functioning in college. 1. Internal Quality Assurance Cell 2. Admission Committee: 3. Time-Table committee 4. UGC Committee 5. NET/SET/GATE Committee 6. Research Committee 7. College Exam Committee 8. Consultancy Committee 9. Attendance Committee 10. Students Progression Committee 11. Staff and Students Welfare Committee 12. Library Committee 13. Health Committee 14. Remedial Coaching Committee 15. Sports Committee 16. Career Guidance and Placement Cell 17. Alumni Association Committee 18. Women's Grievances Committee 19. Teacher- Parent Committee 20. Science Association 21. Cultural Activity Committee 22. Debate and Literary Association Committee 23. Girls Activity Committee 24. Publicity Committee 25. Prize Distribution Committee 26. Tutor-Ward Committee 27. College Magazine Committee 28. N.S.S. Committee 29. N.C.C. Committee 30. Internet Resource Centre Committee 31. Anti-Raging Committee 32. Infrastructure Maintenance Committee 33. Purchase Committee 34. Website Committee 35. Students Feedback Committee 36. Environmental Project Committee 37. Campus Development Committee 38. Eco-Friendly Activities and Green Audit Committee 39. Scholarship Committee 40. Canteen Committee 41. Grievances and Redressal Cell 42. Result Analysis Committee 43. Womens Hostel Committee 44. Earn and learn committee 45. Discipline Committee 3) Students Level: Students are selected on different committees of college with the help of respective committee Conveners. They involved in Cultural, Literary, Students welfare, Science Association activities. They also helped to organize Lecture series and Remedial coaching, Antiragging, etc. The college also helps the non teaching staff to improve their skill to perform better and also promote participative management. The Governing council, College development committee, Principal, Vice-Principal, IQAC Co-ordinator, HOD of different departments are involved in policy making. They provide guideline of admission internal examination, grievances, support services. 4) Non-teaching Staff Level: Non teaching staff is represented in College Development Committee as well as in the IQAC. The suggestions are considered in the policy making of the institute. 5) Participative Management: The college promotes the participative management in the institute. The Principal, Governing Council and IQAC involved in the policy making and procedures. They constitutes rules and regulations for admission, discipline in the campus, grievances of stakeholders, supportive services, examinations, finance and administration. Teachers interact the students and other faculty and share their views and knowledge for smooth working in the committee according to the guidelines of Principal.

6.1.2 – Does the institution have a Management Information System (MIS)?

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):

Strategy Type	Details
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<p>Admission of Students</p>	<p>1. As per Govt. and University norms, merit and reservations policies are followed. 2. Counseling of students and parents for choice of subjects and discipline is done. 3. Admission rules, procedure and timeline are published in news papers, Prospectus of College and also displayed on college website and college notice boards as per schedule.</p>
<p>Industry Interaction / Collaboration</p>	<p>1. Students and faculty have interacted with industry persons through industrial visits. 2. Collaborations are established with national level institutions like MCED for awareness of entrepreneurship development 3. MoU signed with School of Earth Science, S.R.T.M. University, Nanded, K-Ferts Lab, Godavari Drugs Ltd. and Shrinivas Cattle Feed. 4. Some PG students have completed their projects with the help of industries and national institutions.</p>
<p>Human Resource Management</p>	<p>1. Qualified and well trained faculty for effective teaching. 2. HRM through various committees of the faculty for work distribution at different levels. 3. Non teaching staff trained for computer friendly working. 4. Administrative staff assigned in the office for its smooth working. 5. Lab assistant and Lab attendants assigned for maintaining laboratories. 6. Learning resource centre has been provided with library knowledge based staff. 7. President of student council, representative of alumni and Industrial stakeholder participates in College development committee. 8. PBAS of the teachers. 9. Medical checkup. 10. Strengthening of Grievances redressal cell, Anti-ragging committee, Women Grievances Committee.</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>1. Use of specialized SOUL software for library, subscription of print and digital resources, INFLIBNET for staff as well as students and database of DELNET. 2. Provides class rooms with ICT facilities and Network resource centre for e-resources. 3. More than 2600 back volumes of referred journals are made available in the library. 4. Major equipments like HPTLC, FTIR etc. are made available in the Central Instrumentation laboratory. 5. Well equipped laboratories along with software like MATLAB, MAPPLE, ORELL, MATCAD, SPSS, CHEMDRAW and other free</p>

software for students. 6. Sports Indoor Hall, 400 m Running track, Gymnasium and museums facility.

Research and Development

1. Research committee monitors research activities. 2. Encourage to prepare Minor major research projects for submission to different financial agencies. 3. Institute provides infrastructure, equipments and Library facilities to research scholars and faculty. 4. IQAC promotes interdisciplinary research work. 5. Faculty and students encourage to visit National Research Laboratories. 6. Motivates faculty researchers to publish research papers in peer reviewed National International journals. 7. Encourages faculty to participate and organize National International Conferences, Seminars, workshops. 8. Institute provides research facility through central instrumentation laboratory. 9. It helped to enhance participation in research activities.

Examination and Evaluation

1. Continuous assessment of students is done through unit tests, surprise tests, aptitude test, seminars, term examinations, practical examinations, tutorials, home assignments etc. 2. Semester examinations as per university schedule are conducted. 3. Evaluation by setting DCAP centre in the institutions and CAP centre at university was held. 4. Pre-Ph.D. viva-voce of research students, group discussion conducted in the institution.

Teaching and Learning

1. Faculty are encouraged to use ICT in teaching learning process, participative practicals and hands on training including innovative methods. 2. Institute encourages to students for field visit and skill based project. 3. Learning resources are provided to the faculty and students. 4. Institute encourages the faculty to participate in FDP, Training courses, workshops, seminars and conferences to update and up-grade teaching learning skills. 5. Faculty and students are encouraged to visit the industries and reputed institutions. 6. Guest lectures and lecture series are organized in the department. 7. Books are increased in Central and Department library.

Curriculum Development	Curriculums are designed by University and faculty members of the institute are BOS member. 1. Active participation of faculty as a Chairman and members of BOS at University for revision of the curriculum. 2. Faculty is encouraged for participation in workshops and seminars on curriculum development. 3. Industrial visits, study tours, field work to UG and PG for better understanding of curricula. 4. Projects and seminars are introduced in the curricula.
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6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	1. College is completely automated having students, faculty and staff database. 2. Library automation is completed having SOUL software. 3. Some departments implemented SMS system and use Whats apps for notice.
Administration	1. Online leave management system. 2. Notice for students and stakeholders. 3. IQAC notice is circulated by email.
Finance and Accounts	1. Finance and accounts are computerized. 2. Salary of staff members transfer to the bank accounts.
Student Admission and Support	1. Online registration.
Examination	1. MCQ examination, Student counseling on Whatsapp and email. 2. Communication with students by email.

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
2019	Dr. S. L. Jadhav	Conference of Library Science	0	3000
2019	Dr. A. T. Shinde	Conference of Chemistry	0	3000
2018	Dr. D. D. Pawar	National Conference of Statistics	0	4000
2018	Dr. K. L. Bondar	FDP	0	5960
2018	Dr. D. R. Munde	National Conference of Chemistry	0	2406

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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	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	No	Financial Awareness Programme	20/08/2018	20/08/2018	3	43

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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 development programme	Number of teachers who attended	From Date	To date	Duration
Short Term Course	2	26/11/2018	03/12/2018	7
Faculty Development Programme	1	12/11/2018	18/11/2018	7

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	0	0	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Credit Cooperative Society, Group Life Insurance, Medical reimbursement.	Credit Cooperative Society, Group Life Insurance, Festival Advance, Medical reimbursement.	Students Welfare Fund

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The institute has account and finance section for internal and external financial audit. The yearly budget allocation and routine expenditure, minor project, CPE , financial allocation various departmental are thoroughly audited by the audit committee. The government recognized auditor Shri. Sham Gandewar conducts financial internal and external audit every year with the co-operation of Office Superintendent and account staff. The college has yearly audited statement which are used for various purpose.

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/ Grnats received in Rs.	Purpose
Student Welfare Fund	47300	To help financially weaker students.
View File		

6.4.3 – Total corpus fund generated

500000

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	S.R.T.M. University, Nanded	Yes	Science College, Nanded
Administrative	Yes	S.R.T.M. University, Nanded	Yes	Science College, Nanded

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

<p>1. Teachers interact with parents for the examination reforms such as CBCS pattern and skill based enhancement courses. 2. Teacher-Parent meeting is organized. 3. Suggestions are taken from parents and faculty for improvement. 4. Results of internal examinations communicated to their pals. 5. Faculty introduces new courses and fee structures to the parents. 6. Teachers discuss about the attendance, performance, books, financial conditions and family background with parents.</p>

6.5.3 – Development programmes for support staff (at least three)

<p>1. Training of staff for handling of equipments and instruments. 2. Computer training for Non-teaching staff by Department of Computer Science. 3. Yoga classes were conducted for stress management and fitness. 4. Organized lecture on personality development of supporting staff members.</p>

6.5.4 – Post Accreditation initiative(s) (mention at least three)

<p>Two ICT enabled teaching learning halls. 32 computers and instruments are provided to the departments. Two workshops are organized. Tree plantation in the campus.</p>

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	One Day	15/01/2019	15/01/2019	15/01/2019	48

	workshop on Computer Literacy for Non - Teaching Staff				
2019	Organized guest lecture on Understanding Intellectual Property Right	05/04/2019	05/04/2019	05/04/2019	30
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
International AIDS Day Rally	01/12/2018	01/12/2018	14	11
Blood Donation Camp	12/02/2019	12/02/2019	12	18
Health Checkup Camp	21/12/2018	21/12/2018	175	47
Savitribai Phule Jayanti	03/01/2019	03/01/2019	78	10
Street Play on Role of Society in Environmental Cleanliness	24/09/2018	24/09/2018	75	59

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
<ul style="list-style-type: none"> • Drip irrigation is implemented for the plants as a measure of water conservation. • Addition of new variety of medicinal plants in the Medicinal Plant Garden. • Conservation of water through percolation tank of size 25m x 15m x 3 m (Capacity of 79287 Litters percolation storage capacity). • Utilization of waste generated in the campus by preparing compost manure. • Solar energy system supply has been installed on the roof of main building of campus. • Installation of Biogas plant in the campus for supply of gas to chemistry laboratories. • Ecofriendly "Holi , Diwali" festival celebration.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	7
Provision for lift	No	0

Ramp/Rails	Yes	3
Braille Software/facilities	No	0
Rest Rooms	Yes	8
Scribes for examination	Yes	1
Special skill development for differently abled students	No	0
Any other similar facility	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	08/07/2018	1	Tree Plantation	Green Campus	23
2018	1	1	31/12/2018	1	Avoid drink, drink milk	Anti addiction	38
2019	1	1	22/01/2019	1	Plastic Free Environment and cleaning campaign	Social Awareness of Solid Waste	79

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of Conduct for Faculty	18/06/2018	<p>1. Principal of affiliated colleges will note that it is necessary to have 180 days of actual teaching work during the academic year excluding Sundays, Holidays and Exam days.</p> <p>2. Principal of college will ensure that the teaching staff will remain present on the college campus for 6 hours on all working days.</p> <p>3. Teaching and non-teaching staff should present for National and</p>

University Flag hosting.
4. Teaching staff should submit annual teaching plan before commencement of actual teaching. 5. Teacher should engage classes and practicals regularly. 6. Principal verify the teaching report and implementation of the plan.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Reading of Preamble of Indian Constitution	26/11/2018	26/11/2018	300
National Sadbhavana Din	21/08/2018	21/08/2018	91
Bhagwat Geeta Pathan	16/11/2018	16/11/2018	340
Video Lectures on Moral Values	18/06/2018	08/03/2019	75

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

1. Vermi-composting unit to prepare Compost from Bio-wastes Vermi-compost. 2. Rain water harvesting and conservation of water through percolation tank. 3. Regular tree plantation and campus beautification activities. 4. Ban on polythene and carry bags in college campus. 5. Waste disposal of plastics, garbage from campus. 6. Awareness programme for the students related to sorting of degradable and non-degradable wastes from houses. 7. Cultivation of fruit plants for protection of birds. 8. Celebration of Eco-friendly Diwali and Holi festivals. 9. Students are encouraged for cleanliness and their active participation in cleaning of class rooms.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

BEST FROM WASTE 1. Objectives of the practice: • To prepare meaningful and useful articles from waste. • To explore new method having environmental awareness which are useful for society. • To protect nature and environment from human activity. • To minimize the harmful effects of environmental pollution. • To explore the creative and innovative idea of students in conservation of nature and eco-system. • To encourage students to use old newspapers, used notebooks, cardboard, old CD, DVDs, disposal glasses, pens, Toothpaste tubes, matchsticks, plastic bottles, cloths, envelops, sticks, waste mats, strings etc. • Preparation of Jewellery, toys, flower vase, magic boards, folders and files, pen stands, flower pots, mat wall decoration, Jute work, bowl etc. from waste materials. • To produce compost from plant wastes. • To dispose garbage and garden plant wastes. • To prepare and commercialize Vermi-compost. • To bring awareness among the farmers to avoid the use of chemical fertilizers. • To improve soil fertility. • To use municipal solid waste. 2. The Context: We know various human activities disturb the balance of nature. The resources of nature decreasing with very high speed and it is important to preserve it for the future generation. The human activity responsible for

imbalance in eco system extinction of some plant varieties and animal species. In order to maintain ecological balance and environmental protection college constituted eco-friendly committee. College eco-friendly committee perform different activities in the college such as state level competition on Best from Waste, workshops, campus cleanliness, environmental awareness camp, tree plantations, poster presentation for snake awareness programmes drug abuse, rain water harvesting, anti tobacco campaign, rallies for relief fund for disaster affected people, anti addiction, eco-friendly festival, celebration like Holi, Ganesh Chaturthi and Dipawali. Wildlife conservation week was celebrated by organizing photo-gallery of birds, butterflies and animals. The eco-friendly committee plays a vital role in creating awareness amongst the students as well as in society. Students are encouraged to participate and take part in different environmental activities and projects. The students from various schools and colleges participate in the competition and presented various models, poster on different types of wastes like organic waste, toxic waste, papers, glass, metal, plastics wastes, etc. Students use their innovative and creative ideas to make new and useful articles, ornaments, jewelry, manures, vermi compost etc. College has 45 acres of lush green campus. The waste material and leaves of trees are used to prepare manure and vermi-compost by using of earth worms. Vermi-composting is a method of preparing enriched compost with the use of earthworms. It is one of the easiest methods to recycle agricultural wastes and to produce quality composts. Disposal of garden wastes is a major issue which is needed to be addressed. This conceptualized the idea of Vermi-composting. Vermi-compost is a rich source of nutrients, vitamins, enzymes, antibiotics and growth hormones. Therefore it not only increases the soil fertility but also does soil conditioning. Vermi-composts also harbours microbial populations that help in Nitrogen fixation and phosphates solubalization and make the soil fertile. Vermi-compost is rich in humus and nutrients. It provides efficient conversion of organic wastes, all crop residues. It is a stable and enriched soil conditioner. It helps in reducing population of pathogenic microbes. It is economically viable and environmentally safe nutrient supplement for organic food production. It is an easily adoptable low cost technology. It is beneficial and highly profitable venture for farmers having dairy units, kitchen garden and ornamental gardens etc.

3. The practice: The waste material and leaves of trees are used to prepare manure and vermi compost by using earth worms. Vermi-composts is stable fine granular organic manure which enriches soil quality by improving its physico-chemical and biological properties. It has become popular as a major component of organic farming system. Vermi-composting is done by various methods, among them bed and pit methods are more common. We adopted pit method of vermi-composting. Composting is done in cemented pits of size 5.5×26.5×3 feet with outlet 3.5×2.5×3. The pits are prepared in a cool, moist and shady site of medicinal plant garden. The unit is covered with green mesh. The material used for vermi-composts were chopped dried leafy material and cow dung in a proportion of 1:3 and kept for partial decomposition for 15 to 20 days. A layer of 15 to 20 cm chopped dried leaves were kept as bedding material at the bottom of the bed. Each bed was contained 1.5 to 2 sq.ft. of raw material. The number of beds were increased as per raw material availability. The earthworm were released on the upper layer of the bed. The water was sprinkled immediately after release of worms. The beds were kept moist by sprinkling of water. The beds were turned once after thirty days for maintaining aeration and proper decomposition. The compost get ready in 45 to 50 days. Harvesting was done when raw material was completely decomposed and it appeared black and granular. The watering was stopped and composts gets ready. The compost was kept over a heap of partial decomposed cow dung for migration of earthworm to cow dung from compost. After two days compost was separated and sieved and packed in small labeled bags which is used for home gardening and college gardening. A lush green garden, medicinal plant garden, green house, fruit

plants are maintained with the use of Vermi-compost produced in the campus. 4. Evidence of success: • Students prepare different ornamental articles from waste materials. • Students get benefited from the Vermi-compost practice implemented in the campus. They share their knowledge with farmers and other stake holders. They even apply in their own farms. Use of waste material which minimize the environmental pollutions • Promotion of innovative and creative ideas • Maintenance of cleanliness and lush, beautiful campus. • Protection of nature, environment and maintenance of ecological balance. 5. Problems encountered and resources required: There were problems of Ants, Snakes, termites, centipedes, rats, pigs and birds. Preventive measures were taken to protect the pits and earthworm by regular monitoring, fencing and application of anti-termites along the boundary of pits and applying 4 neem based insecticides before filling the heap. The raw material required for Vermi-compost is easily available in the campus. The cow dung is made available from the farm house.

1. SWAMI RAMANAND TEERTH DEBATE COMPETITION

2. Goal Swami Ramanand Teerth founder of Nanded Education Society was a great visionary, freedom fighter and leader of Hyderabad state Liberation Movement. He started Nanded Education Society with mission that, "The Science college will try to give a new orientation and educate the students to touch life at all points including the most important one, the human point. There is no regimentation, no particular 'ism' which is being specialized with the preview of this institution. The students have freedom to develop their own national and international views without any bias or prejudice. The evolution of the whole personality of man is what we wish to achieve through this college. The Debate competition is a practice of our institution based on vision and mission of Swami Ramanand Teerth, a founder of this institution. This is regular practice over last 51 years. The aims of this practice are i) To develop and evolve the students personality with freedom to develop their own views without prejudice and free from all "ism". ii) To give a new orientation and educate the students to touch the life at all points with human values.

3. The Context ? The knowledge, experience, skill and sound attitude are important to make an individual civilized, refined, cultural and educated. ? To nurture the speech communication, critical thinking on diverse issues of society. ? Experience the learning process and express the views. ? Power of convincing the diverse opinion and criticize their views. ? Enhance the confidence level and stage courage.

4. The Practice ? The college organizes state level debate competition regularly on the 22nd January, the death anniversary of Swami Ramanand Teerth, founder president of the institution. ? The students from different colleges and universities of Maharashtra are invited to participate in the competition. ? Three cash prizes are given to 1st, 2nd and 3rd top three winners of the competition. ? The general championship is announced to one of the participatory college/ university / institute. ? The outstanding experts from education, society and institutions are invited as Judges of the competition. ? The debate on the current issues is organized during the competition. ? The audience from different colleges and society is called for competition.

5. Evidence of Success The debate competition on current and burning issues like Lokpal Bill, Values in Education System, Impact of Use of Social Media on Personality development of youth, Farmers suicide, World Terrorism, Demonetization, GST, etc. are organized and 1st, 2nd and 3rd Prizes are awarded to the winner teams.

6. Problems Encountered and Resources Required Problems :

1. Less participation from students of Rural areas.

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

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and

Vision The vision of the institute is "To educate and transform the youths to touch the life at all points with human values" PROMOTION OF RESEARCH ACTIVITY: Goals 1) To promote research activity among the students and faculty. 2) To publish research papers in National and International Journals of high repute. 3) To improve the quality of research. Objectives ? To explore new research frontiers in basic sciences. ? To improve the teaching and learning process in the institute by using research as a tool. ? To enhance the thinking ability among researchers. The Context Research has remained a prominent activity of this institution for a long time. The vision is excellence in Science education through research and to inculcate innovative ideas among the students. The institute organizes workshops, conferences and seminars improve knowledge and inculcate research attitude among the students. The institute encourage and motivate the students to participate in it. The project of students are linked with research and provides cutting edge technologies to do research in interdisciplinary subjects. College provides research facilities in the department along with facility in Central Instrumentation Laboratory. Institute provides Library facility, internet facility, access to e-books, e-journals and databases for reference work to researchers. The faculty applies for research grants under Minor/Major projects to UGC, DST, SRTM University, Nanded, RGSTC, Mumbai and other funding agencies and also for patents. The college aims to establish advanced infrastructural facilities for research and identify thrust areas in various disciplines. The Practice ? College provides research facilities, well equipped lab to pursue research activities and to complete minor/major research projects ? College sanction study leave for Ph.D. work under UGC scheme (FDP). ? Provide financial help and necessary leave for attending conferences/ seminars for presentation of research papers. ? Laboratory facilities like Chemicals, glass wares and some sophisticated instruments like FTIR, HPTLC, Ultrasonic interferometer, Seismograph and softwares like MATLAB, MAPPLE, Mathematica, SERFER, IGPET, etc. Evidence of Success ? College is recognized as research centre in Physics, Chemistry, Botany, Zoology and Mathematics disciplines. ? Five Major Research Projects are completed and some Minor Projects are ongoing of the senior college faculty. ? 29 Faculty are Ph.D. holders and among them 23 faculty members are recognized research guides pursuing their research. ? About 102 research fellows are doing their research work in the college. ? In last five years 282 research papers are published in national and international research journals having good h-index, i 10 index, SCOPUS etc. ? More than 100 students attend Indian Science Congress every year to develop research aptitude among them. ? 37 researchers completed Ph. D. work during last five years. ? Data generated in seismic observatory is shared by Govt. of Maharashtra, LIGO India Project (GOI). ? Institute provides research facility to outside students. Problems Encountered and Resources Required ? Insufficient financial assistance from the Government of India for research. ? College cannot afford very costly instruments for research work. ? Less Industrial collaboration due to lack of industry in the region.

Provide the weblink of the institution

<http://www.sciencecollegennd.org/index.php/institutional-distinctiveness/>

8.Future Plans of Actions for Next Academic Year

1. Organization of International /National conferences/ seminars/ workshops.
2. Publication of quality research papers.
3. Collaborations and linkages with reputed industries, NGO's and academic institutions.
4. Introduction of skill based/certificate courses/B. Voc.
5. Strengthening of infrastructure.
6. Introduction of new PG courses.
7. Separate library building.
8. Establishment of Incubation Center.
9. Online Courses.
10. Filing of Patent.
11. Rock

garden/Cactus house/Fern house on the campus.