



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	SHAHADA TALUKA CO-OPERATIVE EDUCATION SOCIETY'S SCIENCE SENIOR COLLEGE
Name of the head of the Institution	Sandeep A. Marathe
Designation	Principal (in-charge)
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02565-223122
Mobile no.	9423504122
Registered Email	principal.stcssc@gmail.com
Alternate Email	sonawaneulhas@gmail.com
Address	Kai.Dr. Vishramkaka Shaikshanik Sankul Dondaicha Road, Shahada, Dist.Nandurbar
City/Town	SHAHADA
State/UT	Maharashtra
Pincode	425409

<b>2. Institutional Status</b>	
Affiliated / Constituent	<b>Affiliated</b>
Type of Institution	<b>Co-education</b>
Location	<b>Rural</b>
Financial Status	<b>private</b>
Name of the IQAC co-ordinator/Director	<b>Dr.Ulhas S.Sonawane</b>
Phone no/Alternate Phone no.	<b>02565223122</b>
Mobile no.	<b>9423504122</b>
Registered Email	<b>iqac.stcssc@gmail.com</b>
Alternate Email	<b>sonawaneulhas@gmail.com</b>

**3. Website Address**

Web-link of the AQAR: (Previous Academic Year)	<a href="http://stcsciencecollege.com/AOAR/AOAR-2018-2019.pdf">http://stcsciencecollege.com/AOAR/AOAR-2018-2019.pdf</a>
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<b>4. Whether Academic Calendar prepared during the year</b>	<b>Yes</b>
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if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://stcsciencecollege.com/PDF/Academic-calendar/Academic-Calendar-2019-20.pdf">http://stcsciencecollege.com/PDF/Academic-calendar/Academic-Calendar-2019-20.pdf</a>
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**5. Accrediation Details**

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
<b>1</b>	<b>B</b>	<b>2.47</b>	<b>2013</b>	<b>05-Jan-2013</b>	<b>04-Jan-2018</b>
<b>2</b>	<b>B</b>	<b>2.42</b>	<b>2020</b>	<b>14-Mar-2020</b>	<b>03-May-2025</b>

<b>6. Date of Establishment of IQAC</b>	<b>30-Jun-2008</b>
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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	Date & Duration	Number of participants/ beneficiaries

IQAC		
Two day Workshop on career guidance	14-Sep-2019 2	55
One day Workshop on Innovation and IPR	28-Feb-2020 1	26
To strengthen feedback system	18-Mar-2020 1	309
IQAC meeting with IQAC members	08-Jun-2019 1	11
IQAC meeting with staff	15-Jun-2019 1	25
IQAC meeting with IQAC members	15-Aug-2019 1	11
IQAC meeting with IQAC members	16-Dec-2019 1	10
IQAC meeting with IQAC members	18-Mar-2020 1	11

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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
<b>No Data Entered/Not Applicable!!!</b>				
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View Link](#)

**10. Number of IQAC meetings held during the year :**

4

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 Uploaded 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)**

1. Initiated online feedback system. 2. Organised career guidance program for students. 3. Organised research and IPR program for faculty. 4. Review of academic and administrative work through regular meeting.

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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
Online process of administration	Online admission process adopted
To run properly slow and advanced learners, bridge course	Slow and Advanced learner programme and Bridge courses ran effectively.
Improvement if student feedback system	Student feedback system was improved such that timely feedback reports on teaching from students were taken.
Installation of water purifier	Water purifier for students is installed.
Make provision for new canteen.	New canteen was started in campus
Development programmes for supporting staff	Office Management programme was arranged for non teaching staff
Renovation of water harvesting system.	Water harvesting system was maintained properly.
College maintenance software up-gradation.	MasterSoft moved to cloud based system
Use of ICT in teaching	Motivated teachers for use of ICT tools
No Files Uploaded !!!	

**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
College Development Committee	16-Oct-2020

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

Yes

Date of Visit

13-Mar-2020

**16. Whether institutional data submitted to AISHE:**

Yes

Year of Submission	2020
Date of Submission	28-Feb-2020
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	The college uses a Management Information System (MIS) to maintain a computerised database of Cloud based online digital software. This software is used to store all students as well as financial data. This software allows to generate different kind of financial as well as student related reports. Obtaining reports from numerous systems with ease, such as expenditure on various budget heads, is standard procedure. It provides feedback on different facets of management performance. These interpretations assist in the colleges budgetary planning. This information is often displayed by the MIS and compares actual data to expected results as well as prior years results. It works with data that has been measured.

## 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 college is a minority institution affiliated to the Kavayitri Bahinabai Chaudhari North Maharashtra University Jalgaon and adheres to the curriculum designed and prescribed by the university. Although some of faculties of our college make their contribution in curriculum designing. The college has a mechanism for the effective implementation of the curriculum. The workload distribution is done at the beginning of the academic year by each department. A schedule of work is prepared following the academic calendar issued by the affiliating university and the college. Students are made aware of the academic plans through the time table and notices time to time. Teachers plan their work in view of the abilities of the slow learners, the average students and the advanced learners. Internal tests are a prominent feature of the academic plans of the college. The meticulously developed plans are implemented by the teachers through innovative, participative and ICT teaching methods. Regular tests seminars, assignments and examinations are the means through which progress of the student is supervised. The heads of departments strictly adhere to the academic calendar and the syllabus completion is supervised through student feedback. Meeting is held in each department at the beginning of academic year to discuss about the course distribution for the next academic session. Every department prepares teaching plan term wise topics to be taught. College faculty maintain a teacher weekly report for effective academic

planning implementation and review of the curriculum. Theory and practical classes are held according to the time table which is prepared prior to the commencement of the academic year by the time table committee. The college library provides teachers with necessary learning resource for effective delivery of curriculum. Bridge courses/special classes are conducted for slow learners. Curriculum is implemented and monitored effectively by different mechanisms such as 1) Teaching Plan's :- Teaching plans are prepared by the teachers & monitored by academic monitoring committee of same department. 2) Bridge Courses: Teachers design bridge courses to bridge the gap between subject studied and subjects they would be studying. The syllabus is taught to the students before the curriculum actually commences. 3) Innovative Teaching Methods:- Within the given framework, teachers are using innovative and modern teaching methods such as ICT. Many times teachers use methods of seminars, assignments, projects etc. to increase active participation of students in learning process. 4) Slow and Advanced learners Scheme:- Slow and Advanced learners are identified by giving different test and special lecturers, encouraged to solve question papers of previous examination and previous performance & initial interaction of teachers is useful to provide facilities and support to the advanced learners. 5) The implementation of curriculum delivery is monitored by Academic Monitoring committee.

#### 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
Computer Fundamental	-	02/09/2019	30	Employability	Technical Skill
Introduction to web design	-	01/08/2019	30	Employability, Entrepreneurship	Web development skill
Biofertilizers: Vermicomposting	-	01/01/2020	30	Entrepreneurship	Agri based Technical Skill
Seed technology and seed pathology	-	01/07/2019	30	Employability, Entrepreneurship	Agri based technical skill

### 1.2 – Academic Flexibility

#### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	Nil	Nil
No file uploaded.		

#### 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	Biotechnology, Computer, Chemistry	11/06/2019

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

Certificate	Diploma Course

Number of Students

63

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
<b>No Data Entered/Not Applicable !!!</b>		
<a href="#">View Uploaded File</a>		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BSc	Chemistry, Biotech	128
MSc	Computer Science	12
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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**

College has collected the different types of feedback from various stakeholders like students, parents, teachers, employer, and alumni. Our college had adopted a well-structured feedback mechanism. This helps the college to improve the performance and strengthened the quality of education. Due to COVID-19 pandemic situation college had adopted online mode for feedback collection. Once feedback is collected from all stakeholders at the end of academic year it is analysed. Analysis of all stakeholders' feedback is discussed in IQAC meeting. Based on the analysis IQAC suggest what action should be taken by college for better improvement. IQAC has changed feedback form structure as per requirement. The ultimate objective of stakeholder's feedback is to get valuable insights for the purpose of improvement in all aspects of teaching, learning, assessment and capacity building.

**Students Feedback:** College has collected student feedback on teachers at the end of academic year for each subject teachers. Student filled feedback form and gave prescribe rating. After collection feedback it was analysed. Student feedback evaluation helps the faculty to regularize in the form of updation of knowledge in the field of subjects and keep well-informed with the latest trends.

**Parents Feedback:** The parents meet conducted by college enables parents to give suggestions regarding the teaching, curricular aspects, co-curricular aspects and infrastructural facilities. Some of the suggestions given by the parents are taken into consideration and that implemented by college to improve college performance.

**Alumni Feedback:** Our College maintains a strong and healthy association with the alumnus. The alumni of the college who have stimulated on to working environment or for higher education also give a feedback on how their experience in the college have facilitated them to perform in their places of work or study. The alumni also give productive suggestions on helping the

upcoming students achieve greater focus and improving themselves. Curriculum Feedback: The College has a policy to collect students' feedback on the implemented curriculum by the university. Curriculum feedback focuses constructively on student accomplishments and help college how to help student for progress further. Teacher's Feedback: College collect feedback from each teacher's. Through the teachers feedback college gather information relating to teachers satisfaction towards the curriculum, teaching, learning, evaluation and infrastructure. It help college to make provision for quality improvement of the programme of studies and the institution. Employers Feedback: The employer's feedback is sought about the course, performance of the institution, employee's acquaintance with technical/ teaching skills and knowledge, adequacy of necessary communication skills to meet the job requirements, ability to find immediate practical solutions for field problems, 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	Computer	60	26	26
BSc	Biotechnology and Chemistry	160	131	131
MSc	Computer	30	17	17
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### 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
2019	478	29	27	2	2

### 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	Numberof smart classrooms	E-resources and techniques used
31	26	7	9	0	5
<a href="#">View File of ICT Tools and resources</a>					
<a href="#">View File of E-resources and techniques used</a>					

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

Our institute adopted mentoring system to nourish students for academic and personal. As we are being from rural and tribal region it has been noted that although we have students with potential in academics and extra curricular activities, they are less confident. So it is needed to have proper mentoring system. In 2019-20 at the beginning of academic year Mentors are assigned to different Mentee. Full time teachers approved by University and appointed by management are working as mentors. There are total 21 mentors behind 507 students.

Basically mentors takes care of students academical and personal development personally. Mentors continuously look after the problems/issues faced by students. Most of times mentors keeps track of administrative things to be done by students such as feeling up admission form, examination form, scholarship forms etc personally. Institution adopted and designed scheme of finding slow and advanced learner, in which different subject related tests were taken to find the learning level of student. So that accordingly different programs like remedial coaching, Bridge courses, lectures of experts, counselling etc. were organised.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
507	31	1:16

## 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
39	31	8	5	2

### 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
Nil	Nil	Nil	Nil
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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
BSc	Nil	VI/ 2019-20	23/10/2020	17/11/2020
MSc	Nil	IV/ 2019-20	29/10/2020	25/11/2021
<a href="#">View Uploaded File</a>				

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

As per the structure of the syllabus as well as for continuous development of student it is needed to have continuous evaluation. For smoothing this function college has constituted the examination committee. The internal examinations are conducted as per directions of the affiliating university i.e. Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon for UG and PG courses. The time table for internal examination was informed to students by circulating the notice prior to one or two week before the exam. After evaluation of the answer sheets, evaluated answer sheets were circulated to students while discussing the model answers in classroom, so that students may evaluate themselves. Besides that if any one having some grievance it was readdressed at teacher level. Along with that different assignments, seminars etc. also considered for continuous internal evaluation.

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

Academic calendar was prepared for 2019-20 according to directions of

affiliating Kavayitri Bahinabai Chaudhari North Maharashtra University Jalgaon. The academic calendar was prepared by IQAC and heads of departments at the starting of academic year. Academic calendar has probable dates of session start, session end, examinations, important considerations such as IQAC meetings, different days celebration etc. Different students development related activities such as NSS, Cultural, sports, career development etc are included in academic calendar. The prepared academic calendar circulated in the teaching and non-teaching staff and also displayed on the website for college students.

## 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://stcsciencecollege.com/iqac/Course-Outcome.pdf>

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
M.Sc.	MSc	Computer Science	12	12	100
T.Y.B.Sc	BSc	Chemistry	61	59	96.72
T.Y.B.Sc	BSc	Computer Science	33	33	100
T.Y.B.Sc	BSc	Biotechnol ogy	29	28	96.55
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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)

<http://stcsciencecollege.com/sss.php>

## 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
Any Other (Specify)	0	Nil	0	0
No file uploaded.				

### 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
One day workshop on Innovation and Intellectual Property	IQAC, Biotechnology	28/02/2020

**Rights****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
Nil	Nil	Nil	Nil	Nil
No file uploaded.				

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nil	Nil	Nil	Nil	Nil
No file uploaded.					

**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
Nil	0

**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)
Nil	Nil	0	0
No file uploaded.			

**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
Nil	0
No file uploaded.	

**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
Nil	Nil	Nil	Nil	0	Nil	0
No file uploaded.						

**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
Nil	Nil	Nil	Nil	0	0	Nil
No file uploaded.						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	0	0	0	0
No file uploaded.				

### 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
Nil	Nil	0	0
<a href="#">View File</a>			

#### 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
Nil	Nil	Nil	0
No file uploaded.			

#### 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 participated in such activities	Number of students participated in such activities
Swachh Bharat	NSS Unit	Youth Day	3	75
Environment Awareness	NSS Unit	Tree Plantation	3	92
Environment Awareness	NSS Unit	Plastic Free Awareness Rally	4	68
AIDS Awareness	NSS Unit	RRC Club Establishment	3	70
AIDS Awareness	NSS Unit	HIV Testing	4	97
AIDS Awareness	NSS Unit	Worlds AIDS Day	5	75
No file uploaded.				

### 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	0
No file uploaded.			

#### 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	Name of the	Duration From	Duration To	Participant
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	linkage	partnering institution/ industry /research lab with contact details			
Educational	Faculty, Student Exchange	Sheth V.K.Shah vidya Mandir Kai Sau GFPatil Jr.College Shahada Dist. Nadurbar	15/06/2019	15/07/2020	10
Educational	Linkage for Faculty Exchange	Vikas Vidya Mandir Shahada Dist. Nandurbar	01/07/2019	30/06/2020	3
Educational	Linkage for Faculty, Student and Infrastructure Sharing	Institute of Management Research Development, Shahada Dist- Nanurbar	01/07/2019	20/07/2020	41
Educational	Linkage for Faculty, Student and Infrastructure Sharing	Sr.Arts Mahila Mahavidyalaya Shahada Dist. Nandurbar	15/07/2019	30/06/2020	52
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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
Vanashree Farmer Producers Company Ltd.Shahada Dist. Nandurbar	15/06/2019	Student Visit to Soil Testing LAB	98
Shri Asaramji Agro Industries Prakasha, Tal.Shahada, Dist.Nandurbar	20/06/2019	Industrial Visit	71
MCED	15/06/2018	Entrepreneurship Development	75
Gangotri Foundation Shahada,	15/07/2019	Water and Energy Conservation	102

Dist. Nandurbar

Awareness Program  
for Students

No file uploaded.

**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
6.2	6.15

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
No file uploaded.	

**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
LIBMAN	Partially	Cloud Based	2019

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	4577	377519	810	77291	5387	454810
Reference Books	1335	417245	8	6114	1343	423359
e-Books	0	0	0	0	0	0
Journals	12	26800	0	0	12	26800
e-Journals	0	0	0	0	0	0
Digital Database	0	0	0	0	0	0
Library Automation	1	Nil	Nil	0	1	0
Others (specify)	0	0	1	35400	1	35400
No file uploaded.						

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 &amp; 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
No file uploaded.			

#### 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	89	80	89	1	0	3	5	50	0
Added	2	0	2	0	0	0	2	0	0
Total	91	80	91	1	0	3	7	50	0

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

50 MBPS/ GBPS
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##### 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

#### 4.4 – 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
5.65	5.64	1.05	1

##### 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 college has chemistry, biotechnology, zoology, botany, electronics, physics, computer science laboratories for UG and chemistry, computer science laboratory for PG. Laboratory fulfills the academic need of students. The instruments/ equipments in laboratories are regularly maintained by the technician/lab assistant. The college has in-house team for maintenance of network and minor hardware daily repair. For major problems related to computer, a service provider is hired as need based. Computers are regularly updated with antivirus software to protect them from malicious programs. For washroom cleaning sweepers were outsourced regularly. For maintaining the cleaning and hygiene of hostel labours were hired. The college has team (Committee) to receive redress complaints. Team hires electrician, plumber and handyman to resolve routine problems. The stock verification of laboratories, furniture in department, library and office was verified by concern department. Principal reviews the stock verification report and suitable curative preventive activities are initiated. Every department has faculty in charge who will periodically check the condition of classroom/laboratory, amenities like benches, chairs, blackboard, fans, lights LCD etc.. Adequate man power is employed to maintain cleanliness of campus. Classrooms, laboratories, seminar

hall etc. are regularly cleaned and maintained regularly.

## 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	Earn and Learn	8	57040
Financial Support from Other Sources			
a) National	GOI, Freeship, DHE,, Economical Weaker Student Scholarship	248	2146025
b) International	Nil	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 implemetation	Number of students enrolled	Agencies involved
Bridge Course On Bio-Informatics	09/12/2019	29	S.T.E.S. and Co-Op Education Society Ltd. Science Senior College Shahada
Bridge Course On Biophysics	09/12/2019	41	S.T.E.S. and Co-Op Education Society Ltd. Science Senior College Shahada
Bridge Course on Optimization Algorithm	01/07/2019	12	S.T.E.S. and Co-Op Education Society Ltd. Science Senior College Shahada
Workshop on Career Guidance	14/09/2019	55	ASHA Foundation
Workshop on Soft skill Development	30/09/2019	82	International Development of Excellent Education Academy Jalgaon
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#### 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	Number of benefited students by career	Number of students who have passed in the comp. exam	Number of students placed

		examination	counseling activities		
2019	Career Counselling Session For Post Graduate Admissions in Institutes having National Importance	30	30	1	0
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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
2	2	7

## 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
<b>No Data Entered/Not Applicable !!!</b>					
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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	Nil	Nil	Nil	Nil	Nil
<a href="#">View File</a>					

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
GATE	1
SET	1
NET	1
Any Other	1
<a href="#">View File</a>	

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

Activity	Level	Number of Participants
University Level Online Test for S.Y.B.Sc. in	University Level	78

Electronics-2020		
Poster Exhibition on AIDS awareness	College Level	17
NSS Day	College Level	100
Chemistry Talent Search Examination	Intercolligate	100
AVISHKAR	University Level	9
Youth Festival	University Level	17
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### 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	Nil	Nil	Nil	Nil	Nil	Nil
No file uploaded.						

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

The office bearers of the Students Council are nominated 20 members. Council's meeting which is conducted by the College annually. The main objective of formation of Students Council in our College is for the promotion of an integral development of personality and the general welfare of students towards society. AIMS OBJECTIVES: i. To sustain high academic standards in the college jointly with teachers, members of the administrative staff and other college Officials ii. To help in maintaining and improving the academic environment of the college. iii. To provide feedback to the college authorities on academic and other students related issues in order to bring out required changes and improvement for academic development. iv. To help College in effectively carrying out its teaching, co-curricular and extra-curricular activities and programmes for the all-round development of the students The Council also assists the College in organising following activities related to students • Debates, discussions, lectures, study circle, essay competition. • Organise Cultural Fests ie. Avishkar • Research and Poster Representation • Organised Technical Event • Management of Indoor and Outdoor games • Publication of magazines, bulletin and wall newspapers • Industrial trips and Education tours • Social Service and Social Relief Activities • Voters Awareness Programme • Swachh Bharat Abhiyaan • Tree Plantation • Yoga Day • Blood Donation Camp etc • Covid-19 Awareness through folk song in a region. The Following committees have student representatives 1. Students Council 2. Competitive Examination Cell 3. Anti-Ragging Committee 4. Sports Committee 5. NSS Committee, Vector Club 6. Alumni Association 7. Internal Complaints (Grievance) Committee 8. Annual Magazine Committee ie Prerana 9. Library Committee

### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The alumni association has been constituted in 2009-2010. The association had always been at the forefront in various activities events organized by institution. The Alumni Association was initiated in its own way by the

individual departments collecting data about their past students, keeping track of their academic records and achievements and inviting them once or twice in a year to address the present students, staff and administration to discuss on how programme can be worked out effectively for the benefit of the institution and promote the interests of the students and staff. Institute has registered alumni association to create and maintain a lifelong connection between the institute and its alumni. The association is registered with name "SCIENCE SENIOR COLLEGE, ALUMNI ASSOCIATION SHAHADA TAL SHAHADA DIST NANDURBAR" having Registration number is MAHA/62/2019/NDB on dated 29/03/2019. Alumni participate in the annual alumni meet on invitation. The meeting of alumni association is call once in year. In various issues for overall improvements are discussed. Some alumni guided to fresher and participate in different activities in college. Alumni take free hand to initiate any quality enhancing activity through the faculty and administration. <http://stcsciencecollege.com/Alumnai-Association.php>

5.4.2 – No. of enrolled Alumni:

98

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

16750

5.4.4 – Meetings/activities organized by Alumni Association :

2 Regular meetings held during the year. Alumni sponsored 1 Workshop on communication skill and Best Practices in English . Besides that alumni actively participated in college development by considering students requirement.

## **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)

The college has adopted practices day to day decentralization and participative management. Apart from the governing body meetings subcommittee like IQAC academic, examination, student support and progression sub-committee, parent teacher association, internal complaints committee meet on a regular basis and help to formulate and implement the strategic plans of the institution. The responsibilities are defined and communicated through face to face meetings with the non- teaching staff members of the college as well as by notifications. The college promotes a culture of participative management ideas pertaining to academic goals, organisational progression and better campus life are collected from stakeholders to promote efficient functioning of the college. The staff and other stakeholders are empowered helping in creating a positive attitudes in the college leading to increase efficiency, improved communication, heightened more motivation. There are various levels at which decentralization happen. The management takes major policy decisions concerning policy, finance, infrastructure etc. The management body regularly meet in college and makes concrete suggestions for its implementation. The principal and the administrative committee take timely decision regarding the implementation of the plan of action by assigning specific responsibilities to the staff members. The college has an in house magazine called the PRERNA in which reports of all activities and department are published. The magazine is also sent to the management, alumni and the well-wishers of the college. Many of them convey their feedback to the principal or other staff members participants in the activities and their beneficiaries are the primary sources of feedback on activities carried out.

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
Admission of Students	Publicity for admission is done by local campaigning and media and social media advertisement. Admissions are also done on the basis of first come first serve. Concession in admission fee for poorly financial as well as back ward class students. Facility of paying fees instalments. Centralized admission process for PG student as per university norms.
Human Resource Management	Faculty and staff are encouraged to participated self development programmes. Administration supports faculty, staff and students with necessary and relevant support to optimize their work, office offers support for infrastructural requirements especially electricity, water supply and routine maintenance. Faculty strength is increased regularly with focus to improve teaching quality and research.
Research and Development	Faculties are motivated to pursue Ph.D studies. There are two faculty members register in Ph.D. Students are inspired and motivated by our faculty members to actively participate in university level junior research activity such as Avishkar. College provides all support for research and development like sanctioning duty leaves. Encourage faculty to interact with faculty from other institutions. The College also encourage to faculty member participate in state, national, international level conferences, seminars, symposia workshop etc. College organizes College level activities on IPR and research methodologies for our faculties.
Teaching and Learning	We have highly qualified, young, dynamic and dedicated faculty. We have adopted systematic teaching learning mechanism, where teachers made their teaching plans and accordingly teach throughout the year. The teaching mechanism monitored by Heads and academic monitoring committee. Besides that regular feedback from students

collected for improving teaching and learning process. Nowadays college emphasis on ICT based teaching. We have Semi-automated library for both faculty and students. We have good collection of latest books. There is always healthy interaction between students and faculty members. We always organize different guest lectures, seminar, group discussion and workshop for faculty and students.

Curriculum Development

As our college is affiliated to KBC NMU we are not authorised to frame our syllabus. Although our faculties are actively participated in syllabus reframing workshop arranged by University time to time. Besides that our college runs different add on courses where our faculties give their insight. The add on courses syllabus is designed by our staff according to the needs of students and to current market trends (industry requirements and needs).

Examination and Evaluation

Examination committee to ensure T.Y.BSc 60-40 pattern and for F.Y.Bsc and S,Y.Bsc CBCS pattern conduct of examinations. We have continuous evaluation through different methods like internal tests, assignments, projects, Seminars etc. Unit test are also conducted in college class by class basis. Continuous evaluation by following interactive and participated teaching learning like quiz, assignment, field work, group discussions and seminars attendance record. External examiners appointed by the COE, NMU, Jalgaon. Internal exams are conducted as per college. Evaluated by our well qualified staff and also result/ marks are cross checked.

Library, ICT and Physical Infrastructure / Instrumentation

The college has a well-established library, equipped with all sufficient numbers of books. Library is having latest software (LIBMAN) to keep the books records. College has its own auditorium, mini seminar halls and play grounds. Class rooms with projectors. Focuses on ICT based teaching. All class rooms are equipped with infrastructure like black board, benches, tube light, fan etc. Departmental laboratories well equipped with PC and broadband connected.

Industry Interaction / Collaboration

The college has collaborations with

Asaramaji Agro Industries, Gangotari Foundation and Vanashree Farmers producer company Pvt. Ltd. The college has also signed MOU with MCED for training and job placements of students. Departments are encouraged to prepare industry oriented courses. Guest lecture by experts from industry were organised.

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

E-governance area	Details
Planning and Development	Implemented SMS system for dissemination of information including regular notice to all stakeholders. Implementation of online attendance sheet for teachers. Implementation of college Mobile apps
Administration	Notice display system for students and other stakeholders. Maintain all office documents through digital way. Submission of internal marks. Initiative taken towards installation of cloud base system in office era.
Finance and Accounts	Fully computerized office and account section In payroll application through CMS software. Maintain salary accounts etc.
Student Admission and Support	Online admission. Maintaining student database through CMS software.
Examination	Entry of all internal marks as well as practical marks through university online portal.

#### 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	0
No file uploaded.				

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)
2019	Language	Nil			22	Nil

	Proficiency in Teaching		26/09/2019	26/09/2019		
2020	Nil	Office Management	09/01/2020	09/01/2020	Nil	9
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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
One Week Faculty Development Program on "ICT Tools" (Organized by Sree Vidyaniketan Engineering College in Association with STP-IIT Bombay)	1	11/05/2020	16/05/2020	6
Three Days Online Basic Optimisation Technology workshop	1	04/05/2020	06/05/2020	3
Career Opportunities in Chemical Sciences and importance of Chemistry in Organic Materials research	1	26/05/2020	30/05/2020	5
No file uploaded.				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
4	31	7	7

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
YES:- Festival Bonus	YES: Festival Bonus	YES: Earn and Learn, Economically Weaker Students Relief Fund

6.4 – Financial Management and Resource Mobilization

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

Institute regularly conducts financial internal and external audit every year after completed academic/financial year. The administrative section of our college manage or control the data related to all financial and money transaction of the institute through out yearly budget allocation. The institute has to prepare yearly audited statements and income expenditures statements for the year for which services of the government certified auditors are used. As a mandatory part the institute also completes audits of its finances by the government appointed auditors our college appointed P.D. Dalal and co for audit and other head audit i.e. NSS, Earn while learn scheme, students weaker relief fund etc completed through university appointed auditor.

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
NIL	0	nil
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6.4.3 – Total corpus fund generated

0
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## 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	External Appointed Committee	Yes	IQAC
Administrative	Yes	P. D. Dalal and Company	Yes	Management Committee

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

Parent Teacher Meeting Feedback from Parents Leads, Contacts and support for Industrial exploration
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6.5.3 – Development programmes for support staff (at least three)

Workshop On Laboratory Safety Management, Lecture on importance of Higher Education
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6.5.4 – Post Accreditation initiative(s) (mention at least three)

1) Strengthening the capacity building facilities for students.i.e. competitive examination cell, sports academy etc. 2) Development of Online admission and feedback system. 3) organisation of different programs for soft skill development. 4) For better feedback from all the aspects implementation of different audits such as Academic Administrative Audit, Green Audit, Energy Audit etc.
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6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No
c)ISO certification	No

d)NBA or any other quality audit	No
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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
<b>No Data Entered/Not Applicable !!!</b>					
<a href="#">View File</a>					

**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
Raksha Bandhan	15/08/2019	15/08/2019	40	52
Sanitary Awareness Program	09/09/2019	09/09/2019	24	0
Jijau Jayanti	12/01/2020	12/01/2020	38	32

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
<p>•Solar Cell- solar energy is a completely renewable energy source. As its significant advantage of renewable energy source institute installed 5 KW solar panel and energy generated through solar panel used by institute.  <a href="http://stcsciencecollege.com/solar-cell.php">http://stcsciencecollege.com/solar-cell.php</a> •37.80 power was utilized from installed solar cell. •LED use- Use of LED light/bulb is highly energy efficient technology institute has planned and implemented increasing use of LEDs to save electricity. • Rain water harvesting system has been implemented in college campus. •Tree Plantation- This year "Tree plantation program" was organized in our college premises on 15th August 2019, this program was inaugurated by Mr. Hiralal N. Patel and 92 college students were present for this occasion. •Plastic Free Awareness Rally was organised by NSS unit to aware the people about plastic as a serious pollutant for environment.</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	No	0
Ramp/Rails	Yes	0
Braille Software/facilities	No	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0
Special skill development for differently abled students	No	0

Any other similar facility	Yes	0
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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
<b>No Data Entered/Not Applicable !!!</b>							
<a href="#">View File</a>							

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 students	15/06/2019	In accordance with the Heading General Discipline guidelines, the student code of conduct was written and published in the college's prospectus as well as displayed on institution website. All first-year students are briefed on the code of conduct at the beginning of each academic year in induction program. The college has established a disciplinary committee to oversee and supervise the whole behavior of the students. By regular announcements on campus, students are reminded of the norms of discipline. Code of Conduct for students displayed on website. <a href="http://stcsciencacollege.com/COC-Student.php">http://stcsciencacollege.com/COC-Student.php</a>
Code of Conduct for teaching and Non-teaching staff	15/06/2019	A college's booklet or prospectus comprising a code of conduct issued and delivered to every teaching staff and non-teaching staff at the beginning of each academic year by the administration of the institution as Service Rule. The college principal during the

staff meeting recalls current and brief new employees on the code of conduct and appeals on everyone to rigorously obey them. same code of conduct also displayed on institute website. Code of Conduct for teaching and Non-teaching staff <http://stcsciencecollege.com/COC-Teaching-Non-Teaching.php>

Code of Conduct for Principal

15/06/2019

Code of conduct for principal has constructed for development of institute. The Principal has the power to take any necessary measures to uphold the Institutes discipline. The head should form numerous college committees that are essential for the Institutes development. Code of Conduct for principal <http://stcsciencecollege.com/COC-Principal.php>

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Rashtriy Ekta Din (Sardar Vallabhbhai Patel Jayanti)	31/10/2019	31/10/2019	70
Dr. Babasaheb Ambedkar Mahaparinirvan Diwas	06/12/2019	06/12/2019	25
Shiv Jayanti	19/02/2020	19/02/2020	75
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Tree Plantation
- Plastic Free Awareness Rally
- Rain Water Harvesting
- Solar panel
- Use of LED
- Paperless Office
- Waste management
- Green audit

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

A. Title of the Practice- Rain water harvesting 2. Objectives of the Practice • In order to save the rainfall that falls on earth. • The rainwater collection system can lessen the harmful effect produced by the flood since the primary cause of the flood during Rainy Season is inappropriate rainwater storage. • To prevent street flooding. • To Reduce drainage and raises the level of groundwater accessibility. • To Promote both water and energy conservation. 3. The Context Our institution is situated in tribal region. From many years the

climate change affects the rainy season. Due to this the ground water level decreases. Also sometimes there is situation of flood. Keeping thing in mind to increase the ground water level and prevent street flooding Institution decided to implement rainwater harvesting project. Through this project consciousness about saving water is increased in and within the students and staff. We aimed to use this project as pilot project so after studying students may spread the simple and most needful concept of rain water harvesting in society.

4. The Practice Shrinking the ground water level is one of the major problem now a days. Rain water harvesting is one of the good solutions to raise the ground water level. Our institution planned and implemented the rain water harvesting project in the institute premises. Rain water harvesting plant made with bore well and surrounding structure for collection of all rainy water from the campus premises. All the rain water from the college campus is transferred and passed to the underground through bore well which result in the raising the water level. This collection of rain water around the premises also solves the problem of street flooding.

5. Evidence of Success With the implementation of rainwater harvesting project within campus it has been noted that it required less time to dry our campus area after raining. Also an informal survey has been taken around the college campus about the ground water level. We can conclude from the oral responses of citizens around the campus that after implementing the rain water harvesting project the ground water level increases.

6. Problems Encountered and Resources Required

- Sometimes garbage like plastic, carry bags etc. choke up the rain water harvesting system as some water from street flows in it.
- Need more efforts to aware students about rain water harvesting system at their homes.
- A single open bore well is insufficient to suck all the water in short time due to large campus area.
- Regular maintenance is required.

B. Title of the Practice- Roof solar panel

2. Objectives of the Practice

- To Protect Environment.
- To manage electricity cost.
- To reduce fossil fuel consumption by using environment friendly power generation.

3. The Context Solar energy is one of the purest form of energy. The use of solar cell is the cleanest way for electricity generation without polluting and affecting the environment. By considering the aims and goals of solar energy utilisation , our institution has installed the 5KW roof top solar panel in the institute. Through this project consciousness about generating and saving energy is raise among the students.

4. The Practice Our institution is continually working on environment friendly and energy conserving projects such as tree planting, use of LEDs and rainwater harvesting, as well as considering alternative energy sources such as the usage of solar panels for power generation, which is one of the institutes renewable energy sources. Institute installed 5KW solar panel and analysed the energy generated through the solar panel in 2019-2020. In 2019-2020 Installed solar panel generate and fulfilled about 37.80 of annual powerrequirement of institute. High cost and weather dependent are the major constrains of this project.

5. Evidence of Success In 2019-2020 institute installed the solar panel and institute had planned to analyse the amount of energy generated through solar panel so it was found that total annual power requirement of institute was 6703 KWH and annual Energy generated and used through solar panel was 2534 KWH. As per the analysis the 37.80 electrical energy have been generated and used through solar panel and 62.20 energy was utilised through MSED Co. Ltd. Provide evidence of success such as performance against targets and benchmarks, review/results. What do these results indicate? Describe in about 200 words.

6. Problems Encountered and Resources Required

- High purchasing cost of solar panel i.e. unable to installed more solar panel.
- Weather dependent project.
- Manually analysis and calculation of of benefits through solar panel.

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

<http://stcsciencecollege.com/PDF/Best-Practices/Best-Practices-2019-2020.pdf>

### 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 thrust in not more than 500 words

The S.T.Co-Op.Education Society's Ltd. Science Senior College at Shahada stands out among institution by providing diverse students with an affordable, highly individualized, and student-centered education. Location is one of the important advantage for us,as Shahada is in the tribal zone, our institute is located in the heart of the city, and the majority of the students who attend our institution come from the surrounding villages. The government buses make it very convenient for students from the villages to get to the institute. Every year in our institution girl student's admission ration is high as compared to boys admission, so it is very convenient for girls students from remote villages to reach the institution and institution provide the safety and securities to the students. We are teaching the applied courses such as Biotechnology, Chemistry and Computer Science. These subjects are considered according to increasing industrialisation which may help to improve employment in the youth of rural and tribal background. Environmental awareness is one of the most demanding concerns of the day, our institution is always working on projects and programs that benefit the environment. For water conservation, the institute planned and built a rainwater harvesting project in its campus and conserve the water. Solar cells are the cleanest way to generate electricity without polluting or harming the environment so institute has installed a 5 KW rooftop solar PV plant and is utilizing renewable energy without causing environmental damage. Electricity conservation is one of the most environment friendly initiatives. To save electricity, the Institute replaced traditional tube lights with Energy Efficient LED fittings.

Provide the weblink of the institution

<http://stcsciencecollege.com/>

### 8.Future Plans of Actions for Next Academic Year

After analyzing the previous year development in college IQAC decided to work on following areas in next year. 1) As per NAAC comments it is needed to work on PO, PSO and CO's. In near future IQAC planning to organize a National seminar on PO, PSO and CO. 2) For over all development of students and staff needed to introduce some new mechanism while doing academic work. IQAC is planning to establishment of Staff Development and Welfare academy. 4) Considering the need of competitive attitude among students IQAC planning to increase programs through competitive examination cell. 5) IQAC is planning to place a proposal of introduction of new courses in front of CDC and Management. 6) As our institution is having PG course it is needed to have involvement of teachers in research IQAC is planning to organize different programs to encourage teachers for research activities.