



## YEARLY STATUS REPORT - 2020-2021

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1.Name of the Institution</b>	<b>K. Z. S. SCIENCE COLLEGE, BRAMHANI-KALMESHWAR</b>
• Name of the Head of the institution	<b>Dr. A. K. TIKHE</b>
• Designation	<b>PRINCIPAL</b>
• Does the institution function from its own campus?	<b>Yes</b>
• Phone no./Alternate phone no.	<b>07118271167</b>
• Mobile No:	<b>9823745562</b>
• Registered e-mail	<b>principal_kzs@rediffmail.com</b>
• Alternate e-mail	<b>apganorkar@gmail.com</b>
• Address	<b>K. Z. S. SCIENCE COLLEGE, BRAMHANI-KALMESHWER, DIST- NAGPUR, MAHARASHTRA</b>
• City/Town	<b>BRAMHANI- KALMESHWER</b>
• State/UT	<b>MAHARASHTRA</b>
• Pin Code	<b>441501</b>
<b>2.Institutional status</b>	
• Type of Institution	<b>Co-education</b>
• Location	<b>Rural</b>

• Financial Status	Grants-in aid				
• Name of the Affiliating University	Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur.				
• Name of the IQAC Coordinator	Dr. AJAY P. GANORKAR				
• Phone No.	07118271167				
• Alternate phone No.					
• Mobile	9822690649				
• IQAC e-mail address	kzsnaac@gmail.com				
• Alternate e-mail address	apganokar@gmail.com				
<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="http://www.kzsscollege.edu.in/wp-content/uploads/2021/08/AQAR-2019-20-2.pdf">http://www.kzsscollege.edu.in/wp-content/uploads/2021/08/AQAR-2019-20-2.pdf</a>				
<b>4.Whether Academic Calendar prepared during the year?</b>	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="http://www.kzsscollege.edu.in/wp-content/uploads/2021/09/Academic-calendar-2020-2021.pdf">http://www.kzsscollege.edu.in/wp-content/uploads/2021/09/Academic-calendar-2020-2021.pdf</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	C+	60.05	2004	16/09/2004	15/09/2009
Cycle 2	B	2.19	2016	17/03/2016	16/03/2021
<b>6.Date of Establishment of IQAC</b>			28/03/2014		
<b>7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
Nil	Nil	Nil	Nil	Nil	
<b>8.Whether composition of IQAC as per latest NAAC guidelines</b>			Yes		

<ul style="list-style-type: none"> <li>• Upload latest notification of formation of IQAC</li> </ul>	<a href="#">View File</a>
<b>9.No. of IQAC meetings held during the year</b>	<b>2</b>
<ul style="list-style-type: none"> <li>• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li> </ul>	<b>No</b>
<ul style="list-style-type: none"> <li>• If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	<a href="#">View File</a>
<b>10.Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	<b>No</b>
<ul style="list-style-type: none"> <li>• If yes, mention the amount</li> </ul>	
<b>11.Significant contributions made by IQAC during the current year (maximum five bullets)</b>	
1. Student Induction Programme (23th December, 2020) 2. National Science Day 2020-21: (28th February, 2021) 3. Webinar on Rain Water Harvesting (25th July, 2021) 4. Webinar On Environmental Chemistry (25th september, 2021) 5. Awareness programe on Covid-19 pandemic	
<b>12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year</b>	

Plan of Action	Achievements/Outcomes
Conduct regular meeting of IQAC	IQAC conducted two meetings on; 1) 17/07/2020 ; 2) 18/01/2021
To organize environment awareness program for students	1) Organized webinar on Water Conservation by Dr. Vijay Limaye on 25/07/21; 2)Organized webinar on Environmental Chemistry by Dr. S. E. Bhandarkar on 25/09/2021
To organize covid-19 awareness program for students and mass.	1) Organized quiz for students on Covid; 2) Distributed mask and sanitizers to students and rural people in adopted village on 24/09/2021.
To organise various lectures on special topics by guests and resource persons by every department.	All departments invited resource persons from their subjects and enlightened students with their knowledge
To pay tribute to Great leaders and contributors of the country on their Birth and death anniversaries	Gandhi Jayanti, Dr. B. R. Ambedkar, Swami Vivekananda, Mahatma Phule, Dr. Subhashchandra Bose, Dr. RadhaKrishnan, Dr. APJ Abdul Kalam, Dr. Homi Bhabha etc.
To organize extension activities through NSS	1) International Yoga Day Celebration on 21/06/2020; 2) Savindhan Divas (Quize compition)on 26/11/2020; 3) Yuva Day Celebration on 12/01/2021
<b>13.Whether the AQAR was placed before statutory body?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	
Name	Date of meeting(s)
College Development Committee	28/12/2021
<b>14.Whether institutional data submitted to AISHE</b>	

Year	Date of Submission
2020-21	22/02/2022
<b>Extended Profile</b>	
<b>1.Programme</b>	
1.1 Number of courses offered by the institution across all programs during the year	3
File Description	Documents
Data Template	<a href="#">View File</a>
<b>2.Student</b>	
2.1 Number of students during the year	414
File Description	Documents
Data Template	<a href="#">View File</a>
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	340
File Description	Documents
Data Template	<a href="#">View File</a>
2.3 Number of outgoing/ final year students during the year	179
File Description	Documents
Data Template	<a href="#">View File</a>
<b>3.Academic</b>	
3.1 Number of full time teachers during the year	15

File Description	Documents
Data Template	<a href="#">View File</a>
3.2	0
Number of Sanctioned posts during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1	7
Total number of Classrooms and Seminar halls	
4.2	8.67
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	43
Total number of computers on campus for academic purposes	

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

K.Z.S. Science college is affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur (M.S.) and run by Dr. Bhabha Vidnyan Lokshikshan Sanstha, Kalmeshwar from 1992. There is no provision of revision of syllabus at college level but members of board of study in various subjects contribute in revision and updating of syllabus at university level and it is mandatory to all to adhere this university syllabus and examination pattern. There is no scope to modify the curriculum at college level. At the beginning of every academic year, action plan for effective implementation of curriculum is developed and all the departments chalk out an academic teaching plan includes lecture hours, topic to be taught and other departmental activities to conduct during academic year. Every academic year, university prepared academic calendar and principal conduct the meeting for implementation of academic

calendar and forms various committees for smooth conducting. Time table committee design the time table for the session in which periods and workload of every teacher is allotted as per the university norms and for extra workload clock hours basis teachers are appointed as per the need. All heads of departments chalk out an action plan for effective curriculum delivery and departmental activities. They also distribute the individual workload of theory and practical's periods to departmental faculties. Institutional infrastructure and curricular facilities are regularly augmented according to increasing the student strength. Institution has well equipped laboratories, library facility and classrooms. For upgrading the knowledge, the principal encourages teachers to participate in various seminars, conferences, workshops, short term courses, orientation and refresher courses and also to publish various research papers in national and international journals.

To make teaching more effective and meaningful, use of ICT tools, teaching aids, well equipped lab, chart, reference books, journals, library facility etc is made. These teaching aids create interactive atmosphere in the class and facilitate effective understanding of subjects. Every year organize Study tours, Industrial visit, Field visit, Horticultural training, Local visit, guest lectures and others for students to improve their inclusiveness but due to Covid-19, a few such activities are conducted. To ensure learning outcome, internal assessment is carried out through student seminars, group discussion and project works. Unit tests are conducted after completion of each unit and at the end of semester common test on complete syllabus and evaluated. In order to improve knowledge of educationally backward students, extra classes (Remedial classes) are taken. Guardian and faculty members continuously interact and assess performance of mentee and provide assistance to tackle their problems encountered during learning. Human/social values and professional ethics are inculcated in students by organized vaccination camp, tree plantation, under the Swachh Bharat Abhiyan to spread awareness about plastic mukt Bharat in students. Pledge taken about Plastic Mukt Bharat, arrange student rally to spread awareness. At the end of semester, institutional head conducts meeting in which review about the allotted and completed curriculum and activities is taken and suggestion are given to staff members.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	Nil

### 1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The K.Z.S. Science College is affiliated to the R.T.M. Nagpur University, Nagpur and an academic calendar prepared by the university at the beginning of each semester including various curricular events of the session. The calendar was uploaded on college website and displayed on notice board and was also communicated to students through their emails or Whats app group. It was updated and revised as per suggested by the university. All the classes and unite test, common test, practical examination were planned as per the calendar, thus ensuring complete adherence.

#### Compliance of Continuous Internal Evaluation (CIE) with Academic Calendar

1 Time table regarding theory and practical- The IQAC of college have formulate the timetable committee. The in-charge of the committee was designed time table as per the university norms and implemented at the beginning of the session and the workload of each teacher is allotted as per the norms. Time table was uploaded to students on their Whats app group as well asdisplay on notice board.

2 . Theory and practical classes allocation- After the allocation of time table to the department , head of each departments prepare a individual departmental time table and distributes to the teachers as per the workload of theory and practical classes.

3. Internal Examination- The internal examination of the college like the unit test, common test, test practical practical exam are conducted in the form of MCQ. The setting of theory and practical examination question papers, evaluated andanalyzed by concern teacher.

4. Question paper setting and evaluation - The question paper setting ofuniversity examination wasprepared in MCQ forms under university telephoniccommunication by some faculties during covid-19 situation. During this year due to Covid-19, the evaluation of examination sheets commonly occurs by online mode.



5. University Exam- The schedule of university examination about theory and practicals were prepared by university. As per the schedule regular semester examination were conducted by university and supplementary examination was took in college level.

6. MCQ- Every teacher conducted regular class test in the form of MCQ on related topic for practice and revision with the help of goggle meet during the year.

7. Students feedback- At the end of academic session students wassubmitted their feedback on curriculum and institution through online mode due to Covid-19.

8. Arrange Webinar/ workshop- Under the women cell the Webinar was arranged on gender equality. The workshop was conducted on women diseases atWaroda village with some women staffs and they were share and discussed some relevant problem.

9. Activities Organized - Under the NSS unit of college the various online activities like Covid-19 awareness,Yoga day,various jayantiesand someothers were conducted.

File Description	Documents
Upload relevant supporting documents	<a href="#">View File</a>
Link for Additional information	Nil

**1.1.3 - Teachers of the Institution participate in B. Any 3 of the above following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.**  
**Academic council/BoS of Affiliating University**  
**Setting of question papers for UG/PG programs**  
**Design and Development of Curriculum for Add on/ certificate/ Diploma Courses**  
**Assessment /evaluation process of the affiliating University**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.2 - Academic Flexibility

### 1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

#### 1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

3

File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	No File Uploaded

### 1.2.2 - Number of Add on /Certificate programs offered during the year

#### 1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

0

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template )	No File Uploaded

### 1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

0

#### 1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

0

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	No File Uploaded

### 1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The institute is affiliated to Rashtrasant Tukadoji Maharaj, Nagpur University and follows curriculum of the University, hence a subject on Environmental studies as part of the syllabus of second year as a compulsory subject.

Socially relevant issues relating to Gender, Environmental sustainability, Human values and Professional ethics have been integrated into the larger framework of activities have been designed.

Gender equality is one most challenging issue of the societies. It was held on a regular basis at the College. Under the Women Cell committee, the International Women Day was celebrated through workshop at Waroda village on women diseases on dated 8 March 2021. In this programme were discussed various types of women disease problems and its remedy. The webinar were organized on 30 March 2021 through women cell on Gender equality and invited Guest speaker was talk on the various issues and highlighted on the values and contribution of women in society.

Under the Swachyata Action Plan MHRDC, Gov. of India, the college have been runs the various activities like Sanitization and hygiene, Waste management, Energy management, Greenery.

In order to sensitized students about the environment and sustainability issues were several academic activities like seminars, workshop, guest lectures are held. Under the Sakal Media, three students of our college were participated to Nasik under the programme "Young Inspectors Network" and participated students awarded.

In Covid-19, under the NSS unit of college, the Mask distribution

activity was conducted at Waroda Village on dated 8.05.2020, for this events the Grampanchayat Waroda, the Sarpanch and some villagers of the same village were also participated . During that, the mask were distributed and the villagers have awared about the rule of covid-19 awareness .In this activity 100 houses were surveyed with seven NSS volunteers as well as college teaching and non teaching staffs were participated.

On behalf of NSS Unit ofCollegeenthusiastically celebrated 6th International Yoga day on 21 st June-2020. All the registered NSS Unit students along with college students took part in this online celebration of YOGA. They prepared videos, photograph on various types and skilled based activities and posted on various whatsappp group.The National Youth Day 2020 conducted on the occasion of Swami Vivekananda birthday on 12 January. The Unit was organized online quiz competition on 15.01.2021 on the life history of Swamiji.

On 22/07/2021, the event of Tree Plantation under the National Service Scheme unit and Botany department was held at college premises with 14participants including NSS volunteers and teaching staffs. Trees are the foremost source for producing the oxygen in environment, they helps to reduce the level of CO2. As we all know that the whole world is facing the problem of global warming and to recover from such problem planting the trees is become one of the most important needs today.

Constitution Day, also known as Samvidhan Divas, was celebrated in college on 26 November2020 throughparticipation of all staffs of college. The college to administer a pledge to staffs on 26 November to follow the fundamental duties. The NSS unit was conducted the online MCQ quiz for students, 87 students were participated and among themthree students were nominated for the prize. The awareness programme was organized on the occasion of Swachyatadivason 13-14 Aug 2021.in college premises and 39 participant were present including NSS volunteers, the teaching and non teaching staffs and took Swachyata pledge about swachyata.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	<a href="#">View File</a>

**1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year**

0

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	No File Uploaded

**1.3.3 - Number of students undertaking project work/field work/ internships**

0

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	No File Uploaded

**1.4 - Feedback System**

**1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders**  
**Students**  
**Teachers**  
**Employers**  
**Alumni**

A. All of the above

File Description	Documents
URL for stakeholder feedback report	<a href="#">View File</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	<a href="#">View File</a>
Any additional information(Upload)	<a href="#">View File</a>

**1.4.2 - Feedback process of the Institution may be classified as follows**

**B. Feedback collected, analyzed and action has been taken**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	Nil

## TEACHING-LEARNING AND EVALUATION

### 2.1 - Student Enrollment and Profile

#### 2.1.1 - Enrolment Number Number of students admitted during the year

##### 2.1.1.1 - Number of sanctioned seats during the year

422

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

**2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)**

**2.1.2.1 - Number of actual students admitted from the reserved categories during the year**

340

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The institute takes care of its students especially the slow learners or weak students where we help the students with a teacher Mentor. Extra classes for the hard topics are arranged weekly and weak students are requested to attend. The mentor -mentee system also helps the students to solve difficult question by their mentors. This system has been made available in college since 2017. At the commencement of every academic session one of the faculty members allots the class-wise names of the mentors and mentee. The mentors then contact their mentee and inform them for further meetings. The mentors are responsible for academic progress, health, economic support as and when required and mental welfare of their mentees. They provide primary emotional counselling to those who need them and refer them for more professional counselling, if required. An orientation programme for the mentees is held to get familiar with the institution, its goals and mission, the facilities available and the regulations of the affiliating university. The mentors maintain the memoir of each apprentice including their family background and socioeconomic status. They keep a check on their attendance, performance, routine and academic progress. The mentors use both formal and informal means of mentoring., Hence the slow learners get much attention and clear their difficulties promptly

File Description	Documents
Link for additional Information	Nil
Upload any additional information	No File Uploaded

### 2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
414	15

File Description	Documents
Any additional information	No File Uploaded

## 2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

KZS college believes in the adoption of students centric methods to enhance student involvement as a part of participative learning and problem solving methodology. Team works, Debates , Seminar and Quizzes, specifically Students centric Teaching Methods are reflected in Field Visit, Industrial visit& guest lectures. Specifically the students centric methodology include

### 1. Experiential Learning

1.1 Field Visits: Faculty identifies and propose Academically significant Field visits and Surveys

1.2 Industrial Visits: Departments Plan and Organise the industrial visits for students to provide exposure for industrial work culture.

1.3 Guest Lecture: Guest lecture by eminent experts from industry and academics are identified and lectures are organised to supplement the teaching process and provide experiential learning.

### 2. Participated Learning

2.1 Team work All Departments organize students activities to promote the spirit of Team work.

The activities and Camp of NSS, institutional social responsibility ,Village Adoption, Tree plantation . Swatchh Bharat and Health awareness camp to help the students to learn Art of living in a team for Social and community welfare.

2.2 Debates: Debates are followed in many of the subjects where students are required to come with different opinions, thought processes thus the learning process gets justified in the arguemental way of learning.

2.3 Group work: Practicals, subject matter related to environmental issues and workshops in all individual and group work under the guidance of teachers are also conducted.



### 3. Problem solving Methodology

3.1 Theme topic display board: Students are given the responsibility to deck up display board according to subject theme. Students gather their own material through internet as well as newspaper cut-outs, which makes them understand the topic in depth. This study method is adopted while teaching-learning process to make the students have logical thinking and practical knowledge to develop problem solving ability.

3.2. Analysis and Reasoning : All questions in examination are based on analysis and reasoning. Free internet access in the library and wifi facilities in campus promotes the habit of self learning and discussion.

3.3 Discussion : College follows the discussions methods in many of the subjects as it makes the students to think wide and participate to present their opinions & suggestions to check their current knowledge. Discussions are held basically in almost all the subjects during the classes , etc.

3.4 Quizes: Quizes are conducted by subject teachers in classes which helps the students understand the current scenario for various topics like Ozone depletion, Global warming , Wild-life conservation.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

The teaching staff at KZS Science college have adopted use online education resources, social networking sites, blended learning platforms like google classroom to effectively deliver teaching and provide enhanced learning experience to the students.

Around three of the classrooms have LCD projectors in them which are used for screening PPTs made by staff for making students understand subject related topics.

The use of ICT by teachers in classrooms apart from enabling

students to keep pace with the contemporary digital and virtual world has helped student centric learning approach.

You- Tube, E- mails, WhatsApp group, Zoom, Google meet and Google classrooms are used as platforms to communicate, provide material and syllabus, conduct tests, upload assignments, make presentations, address queries, mentor and share information.

The library also provides access to computers and on line journals freely available in public domain and also to journals subscribed on the advice of faculty and facilitates downloads.

Every teacher is responsible to conduct the classes according to the time allotted and the students are also required to provide online feed -back on the curriculum and teaching-learning environment on every course in last semester.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	Nil

### 2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year )

#### 2.3.3.1 - Number of mentors

15

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	No File Uploaded
mentor/mentee ratio	No File Uploaded

### 2.4 - Teacher Profile and Quality

#### 2.4.1 - Number of full time teachers against sanctioned posts during the year

15

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded

#### 2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

##### 2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

15

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	<a href="#">View File</a>

#### 2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

##### 2.4.3.1 - Total experience of full-time teachers

27

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

## 2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The college has transparent and robust evaluation process in terms of frequency and variety. In order to ensure transparency in

internal assessment, the system of internal assessment is communicated with the students well in time. The Principal holds meetings of the faculties and directs them to ensure effective implementation of the evaluation process. At the entry level, admissions are given purely on merit basis and the lists of merit students are displayed on Notice board. Students who are admitted for the concerned course are assessed continuously through various evaluation processes at college and University level. Continuous evaluation is made through Group Discussion, Unit Tests, Assignments Submission, Field Visit / Field Work and Seminars Presentation. Unit tests are conducted regularly as per the schedule given in academic calendar. The weightage for the unit tests varies as per the concerned faculty. The performance of the students is displayed on the Notice board and communicated to the students. Personal guidance is given to the poor performing the students after their assessment. Students appearing for Second /third year are asked to deliver the seminars of the concerned subject. Topics are given by their teachers to the students to prepare for power point presentation. For transparent and robust for internal assessment, the following mechanisms are conducted Internal Examination Committee. Question Paper Setting. Conduct of Examination Result display Interaction with students regarding their internal assesement. The method of internal assessment helps the teachers to evaluate the students more appropriately. Due to internal assessment, the interest of the student towards learning and attending the classes has been also increased. It has created the interest among the students to take active participation in various co-curricular and extra-curricular activities for their overall personality development. The seminar presentation improves the communication skills of the students which is very essential to face the interviews. In this way mechanism of internal assessment is transparent and robust.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

At KZS Science college have a well-organized mechanism to deal with examination related grievances which transparent in the pattern and conduction of CIE and rectification of grievances is time bound.

The college follows strictly the guidelines and rules issued by the

affiliating university while conducting internals and semester-end examinations.

**Institute level:** At Institute level, an examination committee, comprising of a senior teacher as convener and other teaching and non-teaching staff as members, is constituted to handle the issues regarding evaluation process. Students are counseled by the faculty mentor, and remedial classes are conducted for students who have failed in the examinations. Internal Assessment marks are entered in the University web portal by the respective faculty members personally. Practical marks are also uploaded by the respective internal teacher in-charge to condense all the grievances.

**University level:** If students have grievances related to evaluation of university answer scripts it is intimated to the subject handling faculty and head of the department if necessary, for further action. Students can bring their grievances by applying for the following evaluation procedure: Re-Evaluation: Students can apply for re-evaluation of their answer scripts within a week from the declaration of results if they are not satisfied with their results. The results of re-evaluation will be announced as per the university norms.

**Challenge Evaluation:** If the re-counting/re-evaluation results are not satisfactory, a student can apply for challenge evaluation within a week after the announcement of the revaluation results. The evaluation process is carried out by two subject experts. Result will be announced before commencement of University Examination and the fees will be refunded to the students if he/she clears the paper. So maximum chances are given to the students to clear the subject. The entire process is maintained transparent and time bound by the university.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

KZS Science College comprises of Basic science departments

When students graduate in science faculty students inculcate the knowledge with facts and figures related to various subjects in pure sciences such as Physics, Chemistry, Botany, Zoology, Mathematics, etc. They implicit the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life. Acquired the skills in handling scientific instruments, planning and performing in laboratory experiment The dexterity of observations and drawing logical conclusion from the scientific experiments. Exploration of the given scientific data critically and systematically and the ability to draw the objective conclusions. This leads to develop the thinking ability and create to advise novel ideas in explaining facts and figures or providing new solution to the problems. Realized how developments in any science subject helps in the development of other science subjects and vice-versa and how interdisciplinary approach helps in providing better solutions and new ideas for the sustainable developments. Developed scientific outlook not only with respect to science subjects but also in all aspects related to life. Realized that knowledge of subjects in other faculties such as humanities, performing arts, social sciences etc. can have greatly and effectively influence which inspires in evolving new scientific theories and inventions. Imbibed ethical, moral and social values in personal and social life leading to highly cultured and civilized personality. Developed various communication skills such as reading, listening, speaking, etc., which we will help in expressing ideas and views clearly and effectively. Realized that pursuit of knowledge is a lifelong activity and in combination with untiring efforts and positive attitude and other necessary qualities leads towards a successful life. Developed flair by participating in various social and cultural activities voluntarily, in order to spread knowledge, creating awareness about the social evils, blind faith, etc.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all courses (exemplars from Glossary)	No File Uploaded

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

**Department of Physics:**

Physics is a core branch of science which consists of topics that studies matter and its motion through space and time, along with related concepts such as energy and force. Physics uses mathematics to organize and formulate experimental results and from which new predictions can be made. The results from physics experiments are numerical measurements. Technologies based on mathematics, made computational physics as active area of research.

**Department of Chemistry:**

Students will demonstrate an understanding of major concepts in all disciplines of chemistry Students will employ critical thinking and the scientific method to design, carryout record and analyze the results of chemical experiments and get an awareness of the impact of chemistry on the environment, society and cultures outside the specific community

**Department of Zoology:**

To understand the nature and basic concepts of Zoology. To understand the analysis of relationship among animals, plants, microbes and environment. It provides insight into how "Life" works and consequently, how we work. The concept of students is cleared in the laboratory of Bio- Science. Course Outcomes. Students will be able to demonstrate the ability to read, understand and critically review scientific information .Students will be able to demonstrate ethical conduct in scientific activities. Students will be able to recognize the relationship between structure and function at all levels: molecular, cellular and organism.

**Department of Botany:**

To inculcate in students the scientific study of plants which in learn is used in many aspects of human life. Plants being necessary for supporting all life forms on earth, either directly or indirectly. Its study helps in better understanding of our selves at the cellular and genetic level. Course Outcomes ? Students will be able to define and explain major concept in the biological sciences. ? It will helps the student to use biological instruments in proper and correct way . ? It will enable the students to explain and apply the scientific method including designing and conducting experiments and testing hypotheses.

**Department of Mathematics:**

Demonstrate basic manipulative skills in algebra, geometry,

trigonometry and beginning calculus. Apply the underlying unifying structures of mathematics and the relationships among them. Demonstrate proficiency in writing proofs. Investigate and apply mathematics problems and solutions in a variety of contexts related to science, technology, business and industry and illustrate these solutions using symbolic, numeric or graphical methods. Students can understand the foundation of Mathematics. They are able to perform basic computation in higher Mathematics. Students are able to develop problem solving skills. They are able to communicate Mathematical ideas with others. They can enhance the quality of analysis and research in different mathematical fields. Operations research can develop the management quality in different industries and factories.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil

### 2.6.3 - Pass percentage of Students during the year

#### 2.6.3.1 - Total number of final year students who passed the university examination during the year

179

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

### 2.7 - Student Satisfaction Survey

#### 2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<http://www.kzsscollege.edu.in/wp-content/uploads/2022/02/Student-Satisfaction-Survey-Batch-2020-21.pdf>



**RESEARCH, INNOVATIONS AND EXTENSION****3.1 - Resource Mobilization for Research****3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)****3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)****Nil**

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	No File Uploaded

**3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year****3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year****Nil**

File Description	Documents
List of research projects and funding details (Data Template)	No File Uploaded
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

**3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year****3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year****12**

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

### 3.2 - Research Publications and Awards

#### 3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

##### 3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

11

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

#### 3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

##### 3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

09

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

### 3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The impact of following extension activities in sensitizing students as well as teachers and also society to the social issues and holistic development is the involvement of students, teachers and

society by self initiation in the issues and their active participation.

Institution involved in national calamity such as COVID-19. Teaching and nonteaching staff were worked as frontline worker. During pandemic situation our college team had distributed the masks in the nearby villages. We have conducted and celebrated International Yoga day on June 21, 2021 and explained the importance of Yoga in our daily life. We have conducted online quiz on the occasion of Yuva day in January 2021. Also we have conducted the program on the occasion of Samvidhan Divas (Constitution Day), so that student can aware about our Constitution. To know the work and devotion of our Leader Netaji Subhashchandra Bose for the nation, College celebrated 125th Birth anniversary of the Hero of the nation.

#### 1. Mask distribution at Waroda Village during COVID-19 Pandemic

During COVID-19 pandemic situation, College team along with seven students of the college had taken step to distribute mask at the nearby village "WARODA". We have distributed 500 masks for the 100 houses by keeping physical distance and rules of Covid-19 in 2020.

#### 2. International Yoga Day

NSS Unit of College, enthusiastically celebrated 6th International Yoga day. On Sunday 21st June, 2020, all registered students of NSS Unit along with college teachers took part in this online celebration of YOGA. They prepared videos and photograph on various types and skilled based activities. Total 20 participants were taken part in the event.

#### 3. National Youth Day (Yuva Day)

The College was celebrated National Youth Day 2021 at the occasion of Swami Vivekananda's birthday on 12 January. The Unit was organized online quiz competition on 15.01.2021 on the life history of Swamiji. 49 students were participated among three students awarded the prize.

#### 4. Samvidhan Diwas ( Constitution Day)

Constitution Day was celebrated in college on 26 November 2020. All staff of college participated in the event. The college staff pledged to follow the fundamental duties on this occasion. College

conducted the online MCQ quiz for students, 87 students were participated and 3 students were nominated for the good work.

#### 5. 125th Birth Anniversary of Netaji Subhash Chandra Bose

The IQAC and NSS Unit of College organized a Webinar on the life history of Netaji Subhash Chandra Bose on 23/01/2021. All the teaching, non-teaching staff and college students participated. Dr. Mahatma along with three students presented a speech on the life history of Netaji. 71 participants were present.

#### 6. Dr. Homi Bhabha Death Anniversary

NSS Unit of college organized Dr. Homi Bhabha's death anniversary and conducted an online quiz competition for college students on dated 21/01/2021. Total 60 students participated. Top three students were selected for 1st, 2nd and 3rd prizes namely Prajakta Hajare of B. Sc. II.; Durga Pande of B. Sc. II.; and Mr. Yogesh Bhojar of B. Sc. II respectively.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### 3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

#### 3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

02

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of awards for extension activities in last 5 year (Data Template)	No File Uploaded
e-copy of the award letters	No File Uploaded

**3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year**

**3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

06

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	No File Uploaded

**3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year**

**3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

299

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

**3.4 - Collaboration**

**3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year**

01

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

#### 3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

03

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

An adequate infrastructure and physical facilities for the teaching-learning process are precisely available as per the requirement by statutory bodies. Well furnished-specious six classrooms with proper air and light circulation and, each having room more than sufficient of student's intake are in use with well seating arrangement in the college building. From the session 2020-21, according to infrastructure augmentation, now we have six classrooms. Out of these six classrooms, room 1 is of 750 sq ft, room 2 & 3, each is of 500 sq ft, room 4 & 5, each is of 1000 sq ft and room 6 is of 375 sq ft. Classrooms 1 to 5 are at first floor and classroom 6th is at ground floor. All classrooms are in the range of wi-fi facility and rooms 1 to 5 are with LCD facility. Now we have well furnished-

specious five laboratories with proper air and light circulation and, each having room more than sufficient of student's intake are in use with well seating arrangement in the college building. Out of these, three laboratories (Physics - 1500 sq ft, Chemistry - 1500 sq ft and Computer Science - 375 sq ft) are at the ground floor and two laboratories (Botany - 1000 sq ft and Zoology - 1000 sq ft) are at the first floor. All laboratories are well equipped with some sophisticated instruments. All the laboratories are in the range wi-fi facility. All the departments, including laboratories, have computers for individual faculty with internet facility (LAN and wi-fi). Total 25 computers are available for the students with internet facility (LAN and wi-fi), in the laboratory of computer science.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

#### Cultural Activities:

All cultural activities are planned to conduct in the seminar hall cum auditorium (2000 sq ft) and corridor (1800 sq ft), depending on the number of audience. The student's annual function is often conducted by hiring the stage and shamiyana system in the open space outside the college building.

#### Sports - Games:

The specious Indoor Stadium (879 sq m ~ 9500 sq ft) including bat-Minton court, volley ball court is available. Huge play ground (1.01 hector) is available including running track - 200m, short-put sector, jumping pit, double bar - single bar, volley ball ground, kabaddi ground and cricket pitch. The sports in Chess and Carrom are conducted in the rooms attached with the indoor stadium. One well equipped gymnasium hall (800 sq ft) is in practice.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

#### 4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

00

##### 4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

07

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

##### 4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

2.079

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

#### 4.2 - Library as a Learning Resource



## 4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Library is automated using Integrated Library Management system (ILMS) Library plays an important role in an academic institution towards the teaching -Learning and research activities. LIB-Man masters soft is a cloud based library automation software that is a Partially integrated, user-friendly, multi-user package for computerization of all the in-house operations of the Library- Lib-Man is embedded with Multi-lingual Fonts, Barcode , Some of the books have been bar coded for issue return purpose, the rest being in process of being bar coded.

## Physical description Particulars

Name of the ILM Software - CLOUD based LIBMAN

Nature of automation - partially automated

Version - Libcloud 2.0

Year of Automation - 2019-20

AMC for Software - Rs. 17000

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional Information	Nil

**4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources** E. None of the above

File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	No File Uploaded

## 4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals

during the year (INR in Lakhs)

#### 4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

0.0981

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

#### 4.2.4 - Number per day usage of library by teachers and students ( foot falls and login data for online access) (Data for the latest completed academic year)

##### 4.2.4.1 - Number of teachers and students using library per day over last one year

1.69

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	<a href="#">View File</a>

### 4.3 - IT Infrastructure

#### 4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

In past, up to year 2019-2020, wifi and LAN, both were working with 20 mbps. Now, with updating from 2020-2021, one BSNL broad band plan Fibro 2000 GB/Month CS64 of BSNL BHARAT FIBER BB Service (100 mbps) and another ONE broadband plan of 50 mbps are in use. Both, LAN and wi-fi facilities are available for individual faculty, principal's office and administrative office. For the LAN connectivity, two port boxes each of 8 switches are situated at first floor and ground floor, respectively. For smooth accession, two routers, one is at ground floor and another is at first floor, each having 100 meter range providing IT facility to individual faculty, student and non teaching staff. Each of the students can take the use of wi-fi facility. Also, all classrooms, departments and laboratories are under the coverage of wi-fi.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

#### 4.3.2 - Number of Computers

21

File Description	Documents
Upload any additional information	No File Uploaded
Student – computer ratio	<a href="#">View File</a>

#### 4.3.3 - Bandwidth of internet connection in the Institution A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>

#### 4.4 - Maintenance of Campus Infrastructure

##### 4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

##### 4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

0.45

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts.	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

### 1. PHYSICAL Facility

#### 1. General

The departments, laboratories, corridor, office and campus are enriched with sufficient lighting and air circulation system. There are four solar lamps/ street lights of superior quality on the playground. Drinking water / washroom water has been managed by lifting the water from well and tube-well using electric motor-pumps. The facility of Hygienic drinking water for the staff and students has been managed. One electrical technician has hired on AMC basis. The high power generator of 25 kVA (Kirloskar make) is there to run the all campus work including classroom teaching, library and office in case of power off. The power generator is under the company service.

Water circulating system for washrooms and laboratories is available. One plumber/technician is hired on AMC basis. Daily cleaning of office, departments, classrooms, laboratories, library and washrooms has carrying by class four staff of college. The annual white wash has been carried by calling the local painters on hire basis.

#### 2. Sport

The spacious Indoor Stadium including bat-Minton court, volley ball court, and play ground including running track - 200m, short-put sector, jumping pit , double bar - single bar, volley ball ground, kabaddi ground, cricket pitch, and gymnasium, all these are under maintenance by calling respective service mans as per requirement time to time. The cleaning, map sketching and decoration of play ground has been carried time to time by NSS volunteers/student players.

Sport material is issued to students as per the schedule. For intercollegiate competitions sport material is issued to the student for the practice. Gymnasium is in use by college students and students of other colleges as per the given slot.

### 1. ACADEMIC Facility

## 1. Laboratories

We call the company service men as per requirement for high grade instruments. Regular servicing and maintenance is carried out for the instruments. Service engineers from manufacturing companies will be called for the repairs, if available. Practical batches are prepared so as to give hands on experience to all the students. Practical are conducted in morning and afternoon sessions for maximum utilization of laboratory space.

## 2. Library

Proper ventilation is done so as to maintain dry environment near book shelves. Regular dusting and cleaning is done by using vacuum cleaners. Pest control is carried out so as to increase the life of valuable resources of library. Furniture is repaired as per the requirement centrally. Book binding is frequently carried as per requirement.

Library is kept open in long vacations for the benefits of the students. Library is with two spacious reading rooms for the girls and boys students, respectively. In average, 20 to 25 students are utilizing the library and reading rooms. The manual transaction and LMS transaction through computer system are available for the students and staff.

## 3. Computers/ ICT/DLP

Regular up gradation is carried out for computers hardware/software. One software/hardware technician is hired on annual contract basis (AMC) to maintain, repair and extend the computers, DLPs and Internet BB/wi-fi service.

All the departments / laboratories including office have updated computers and printers with internet connections of UL\_50Mbps\_M / BSNL broad band plan Fibro 2000 GB/Month CS64 of BSNL BHARAT FIBER BB (100 mbps) service. Available computers are distributed in departments, office, library and administrative office, as per the requirement and load of the work. Computers are connected through LAN and wi-fi internet facility. Computers are provided with upgraded antivirus. Twenty one computers are available for the student's academic purpose.

## 4. Classrooms

Spacious six classrooms with norms are available as per student's

intake capacity. Daily cleaning of classrooms has done by class four staff of college. All the classrooms are facilitated with DL projectors, online (internet) LAN and wi-fi service for effective teaching - learning process.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

##### 5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

297

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

#### 5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

##### 5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

00

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	No File Uploaded

**5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills**

**D. 1 of the above**

File Description	Documents
Link to institutional website	Nil
Any additional information	<a href="#">View File</a>
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

**5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year**

00

**5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year**

00

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	No File Uploaded

**5.1.5 - The Institution has a transparent mechanism for timely redressal of student**

**D. Any 1 of the above**

**grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees**

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

## 5.2 - Student Progression

### 5.2.1 - Number of placement of outgoing students during the year

#### 5.2.1.1 - Number of outgoing students placed during the year

00

File Description	Documents
Self-attested list of students placed	No File Uploaded
Upload any additional information	No File Uploaded

### 5.2.2 - Number of students progressing to higher education during the year

#### 5.2.2.1 - Number of outgoing student progression to higher education

14



File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

### 5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

#### 5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

00

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	No File Uploaded

### 5.3 - Student Participation and Activities

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

##### 5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

03

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms )

Describe the students' representation and engagement in various administrative, co-curricular and extracurricular activities within a maximum of 500 words

Student Council and representation of students for academic session 2020 - 2021 committees of the institution Level.

The college establishes student council as per Maharashtra university act and direction no.5 of 1996 regarding to student council of affiliated college as per section 40(6)

A) Selection As per university act the student council is formed. Students are nominated for each class who have shown academic merit in the examination held in the preceding year and who are full time students in the college.

B) Constitution

i) The student council consist of Principal as a Chairman ii) one senior lecturer. iii) NSS programme officer iv) one Class representative student v) Director of physical education vi) Student from sport, NSS, Cultural activity, General secretary is elected as per the university guideline.

One student representative is elected as secretary.

i) The council encourage students to participate in various activities conducted by the institution

ii) The council bring forth the problem and short out them. iii) The council major role the planning and execution of curricular and extracurricular activities D) Funding are provided by the college. College takes various activities under the students council

As per guideline given by principal, following committee for the Student Council has been formed in institution level for the session 2020-2021

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### 5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

#### 5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

01

File Description	Documents
Report of the event	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template)	<a href="#">View File</a>

## 5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Alumni was registered on dated:27 Sep2021

Registration No.Nagpur/0000256/2021

Student Alumni

Name of In-charge: Dr. S.S. Charjan

Name of Member: Dr. A. H. Rangari

Number of meeting One

Details of the Activities: Brief Report

## Student Alumni Dated 08-09-2021

Student Alumni was organized on 08-09-2021 at K. Z. S. Science College Bramhni-Kalmeshwar at 10.30 am. On this occasion Principal of the college Dr. A. K. Tikhe, Dr. U.B. Mahatame Head, Dept. of Physics, Dr. A.P. Ganorkar, IQAC Coordinator and Head Dept. of Chemistry, Co-ordinator of Student Alumni Dr. S.S. Charjan & ex-students were present. Introductory speech was delivered by Dr. S. S. Charjan .

Initially, incharge of student alumni Mr. S. S. Charjan welcomed all in the programme.

Alumni committee have successfully conducted online alumni meet on dated 08/09/2021. There were 53 participatant in the meeting and they were actively participated. In this meeting alumni members put their opinion in various aspects.

One of the alumni Dr Atul Nagpure gave detail information about JAM examination and IIT admission for M. Sc. Mr. Kuldeep Bhongade ( Vice president of Alumni) proposed widely discussion how to get a job in medical field and he assured that he guide those students who are interested to work in the medical field. Ankit Sahare also gave the guidance about JAM examination. Sweta ingle talked about preparation of NET And GATE examinations. Rushikesh Charjan gave the information about how to develop carrier in music. All the alumni shows the active participation in through out discussion. There were suggestion from alumni and faculty which will be considered in further meeting . Ku. Ritu chake ,ashwini gadge, pankaj charjen , Ravindra bodkhe and ku Vidhya Khawale interacted with students

In the Presidential speech Principal Dr. Tikhe requested all ex-students to co-operate for the overall development of the college.

At last treasure of alumni association Dr L.L. Sawerkar proposed vote of thanks

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**5.4.2 - Alumni contribution during the year (INR in Lakhs)** E. <1Lakhs

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

K. Z. S. Science College Bramhni-Kalmeshwar is a avant grade institution in higher education in rural area, has been providing divine service to the young generation for over past 28 years of its existence.

The priority of college to provide basic knowledge for various carrier for job potential It conduct diversified programme to generate awareness about various social issue.

Vision :According to proverb "Tamsa Ma jyotirgamaya" to inculcate and promote scientific approach for students coming from rural background and enlighten their lives with light of knowledge.

Dr. Bhabha Vidnyan Lokshikshan Sanstha was established in September 1981. The sanstha started serving society through various social activities such as blood donation, body donation diagnostic camp, total and partial solar eclipse awareness programs, eradication of superstitions, science workshops etc.

The college faculty, staff and students inspire each other to engage in quality educational experiences to achieve student's success. Within this partnership, all members share a mutual accountability for student's achievements.

Mission :

1. To inculcate and develop scientific approach, interest and awareness among the society.
2. To promote knowledge, communal harmony and national integration.
3. To work for superstition eradication.
4. To organize various scientific and social programs regarding health awareness, agricultural and pollution awareness.
5. College partners with a dynamic community of diverse students to help them to achieve their educational goals.

6. Through research, reflection and dialogue, the college offers programmes in basic skills, career and technical education as well as work force improvement.
7. College plays its role as an intellectual, economic and cultural anchor for the region.

#### Nature of Governance

The institution believes in democratic decentralized and participative governance. The College Development Council (CDC) , Principal, IQAC, and the faculty play a pivotal role in the designing and implementation of its quality policies in teaching, learning, research and extension activities through collaboration and participative governance. Faculty members have proper representation on various bodies and committees of the institution. The formal and informal arrangements in the institution to coordinate the academic and administrative planning and implementation reflect the college's efforts in achieving its vision.

#### Perspective plan:

The instructions in perspective plan helps in a systematic and well thought out implementation of welfare measures in tune with the vision and mission. As per perspective plan due to pandemic college organized various online programmes like guest lectures, student's induction programme, different webinars, quiz competition, mask distribution programme, book review competition, women's day programme etc. In infrastructure development the construction of class room, seminar hall, renovation of laboratories has been completed.

Faculty members use Google meet, Google classroom, whatsapp for the online teaching.

#### Participation of Teachers in decision making bodies:

Teachers plays an important role in implementing the vision and mission of the college and take proactive part in decision making process. Teachers have representation on various decision making bodies of the organization as follows:

- College Development Committee
- Construction of various Committees
- Internal Quality Assurance Cell

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

Describe a case study showing decentralization and participative management in the institution in practice within a maximum of 500 words.

The college encourages and motivates a culture of decentralization and participative management. The college ensures participation of all stakeholders such as: teaching, non-teaching staff, students, alumni, local society members and parents in a number of administrative roles. Important committees comprise of teachers, and non-teaching staff as well as students.

#### CASE STUDY:

College development committee (hereafter referred as CDC) is the best example of decentralization and participative management.

#### COLLEGE DEVELOPEMENT COMMITTEE (CDC):

The composition of the CDC is as follows:

1. Chairperson of the management
2. Secretary of the management or his nominee;
3. Principal of the college or head of the institution
4. One head of department, to be nominated by the Principal
5. Three teachers in the college, elected by the full-time amongst themselves out of whom at least one shall be woman;
6. One non-teaching employee, elected by regular non-teaching staff from amongst themselves;
7. Four local members, nominated by the management in consultation with the principal, from the fields of education, industry, research

and social service of whom at least one shall be alumnus;

8.Co-coordinator, Internal Quality Assurance Committee of the college;

9.President/Secretary of the College Students' Council;

#### Role and Functions of CDC

1. It prepares an overall comprehensive development plan of the college regarding academic, administrative and infrastructural growth, and enable college to foster excellence in curricular, co-curricular and extra-curricular activities.
- 2.Decide about the creation of additional teaching and administrative posts;
- 3.Take review of the self-financing courses in the college and make recommendations for their improvement;
4. Make specific recommendations to the management to encourage extensionactivities in the college;
5. Make specific recommendations to the management to encourage the use of information and communication technology in teaching and learning process;
- 6 .Make specific recommendations regarding the improvement in teaching and suitable training programmes for the employees of the college;
7. Prepare the annual financial estimates (budget) and financial statements of the college or institution and recommend the same to the management for approval;
- 8.Make recommendations regarding the students' and employees' welfare activities inthe college or institution
- 9.Perform such other duties and exercise such other powers as may be entrusted by the management

The CDC members of the institute meet quarterly in a year to discuss and deliberate upon the institutional requirements and unanimously take crucial decisions for the betterment of the organization. As CDC comprises of Management representatives, Principal, Head of the Dept, IQAC Coordinator and various other stakeholders, this



committee is the best and ideal example of Participative management and decentralization.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Activity : Rain water harvesting

Department of Zoology, KZS Science college, Bramhani, Kalmeshwar , conducted online webinar on water conservation through Rain water harvesting on 25th July 2021. Dr. Aasidhara Darvekar, Head of the department introduced the guest speaker, Mr. Vijay Limaye.

Mr Limaye in very easy words explained that Rain water harvesting means capturing rain where it falls or capturing the run off in your own village or town. And taking measures to keep that water clean by not allowing polluting activities to take place in the catchment. Therefore, water harvesting can be undertaken through a variety of ways. Capturing runoff from rooftops. He explained through his photographic presentation to harvest the rain water. Currently Rain water harvesting is supposed to be the best practice for water conservation and water resource for the areas where there is water scarcity. Rainwater harvesting (RWH) is the collection and storage of rain, rather than allowing it to run off. Rainwater is collected from a roof-like surface and redirected to a tank, deep pit (well or borehole), aquifer, or a reservoir with percolation, so that it seeps down and restores the ground water. He also showed the photographic evidence for his completed ventures in nearby Nagpur city areas. He recommended installation of filter to down water PVC pipe (RAINTAP POPUP FILTRE), which is useful for clean water collection. His valuable information about Rain water harvesting gained awareness amongst students. Dr. Tikhe, principal, KZS, Science college, Bramhani-Kalmeshwar, appreciated the venture and valued the sincere efforts of Mr. Limaye for his social work towards Humanity.

The college has organized following online webinars during this academic session.

1. A one day webinar on "Plant Tissue culture and it Entrepreneurship" was organized on 13 of October 2021 by the Botany department and IQAC. Dr. Ashish Warghat, Senior scientist was the speaker of the day. The seminar focused on medicinal plant value, tissue culture learning and its entrepreneurship etc. The main aim of this webinar was to enlighten the students about the current scenario of entrepreneurship. At this webinar 146 participants were present from different colleges around the country.
2. The webinar on NATIONAL SCIENCE DAY 2020-21 was conducted by department of Physics at our college on 1 March 2021. The program was started with introductory speech by Dr. U. B. Mahatme and inaugurated by the presidential speech of honorable Mr. P. R. Shrikhande, the president of college management committee. Then after, all the 70 participants were guided by the invited speakers, Prof. D. D. Barsagade, dept. of Zoology, RTMNU and Dr. Hemant Borkar, Metallurgy Engineering and Materials Science, Indian Institute of Technology (IIT), Indore. Lastly, the vote of thanks was delivered by Dr. S. C. Gedam.
3. Department of Chemistry has organized webinar, Guest Dr. Subodh E. Bhandarkar, Head dept. of Chemistry G.V.I.S.H. Amravati delivered the lecture on topic Environmental Chemistry on 25-9-2021. Total 101 participants are present in this webinar. Lastly, the vote of thanks was delivered by Head of the department of Chemistry, Dr. A. P. Ganorkar.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Dr. Bhabha Vidyan Lokshnan Sanstha, Kalmeshwar (BVLS) is established in September 1981 is the apex body of the institution. K.Z.S. science college Bramhni- Kalmeshwar was established in year 1992 and only higher educational institution run by the parent sanstha . The executive management of B.V. L. S. approves and monitors the policies and plans for the development of institution. It comprises president, vice president, secretary and 85 other

members.

#### Principal and Institution Administration:

The Principal is the main administrative officer and monitors administrative and academic activities. Office staff help the principal in administrative matter whereas head of department and faculty members are help in teaching learning process, co-curricular and extracurricular activities. Internal Quality Assurance cell forms 25 committees for monitoring and facilitating several activities organized in the institution.

#### College Development Committee:

College Development Committee (CDC) constituted according to the Maharashtra university act, 2016. CDC sanctions annual budget and statements of financial issues, discuss the academic progress of institution new appointment, augmentation of infrastructure, up gradation of teaching learning process.

#### Appointment, Service Rule and Procedure.

The institution follows the rules and regulations of UGC, Revised Maharashtra public university Act 2016, and R.T.M. Nagpur University, Nagpur for the recruitment and grievances redressal. The promotional policy of the institution is transparent and impartial. The promotional procedure for teaching faculty is based on PBAS recommended by UGC and R.T.M. Nagpur university.

The confidential reports of non-teaching staff is prepared by the head of the institution and sanctioned by college development committee for promotion to higher position.

#### Grievance Redressal Mechanism:

- The institution has formed a Grievance Redressal committee for faculty, staff and students to redress their grievances to resolve. The principal is the head of this cell and other mechanisms to deal with the situation. After receiving grievances and complaints either on writing or oral form the committee conducts a meeting to discuss the issues and resolve them.

- To prevent cases of sexual harassment and to look into grievances of girl students, the institution has constituted 'anti-sexual harassment committee' as per the norms of the national commission

for women, Govt. of India.

But good thing is that till date from starting of this institution there is no any case regarding this.

• The Anti-Ragging committee is also formed to resolve the case related to ragging.

But here is also good thing is that till date from starting of this institution there is

no any case regarding this.

Describe the Organogram of the Institution within a maximum 500 words

Management:

The chief governing body of the college Dr. Bhabha Vidyanan Lokshnan Sanstha, Kalmeshwar( BVLs) to be referred as management hereafter is headed by president. Management consist of its office bearers namely vice president, secretary, treasurer and members. Management works harmoniously with other statutory bodies like Principal, college development committee.

The Principal :

Principal is empowered by the management to lead the college towards the achievement of the vision and mission of the college. He is categorically answerable to the management he looks after and ensures the effective implementation of the policies, plans and practices in academic and administrative matters

College development committee :

College Development committee as per the Maharashtra public university act has been formed with the stipulated representation. Regularly take the meetings and discuss the different issues for development of institution.

Internal Quality Assurance cell :

There is an internal Quality Assurance cell which has been working since its establishment in the academic year 2014 and the cell has been shuffled and reshuffled from time to time as per guidance of NAAC. Presently in IQAC committee there are 01 chairman,06 teachers,

01 administrative staff, 01 member from management, one/two nominees from local society student and alumina, 01 industrial representative and one of the senior teachers as the coordinator/ Director of the IQAC.

Heads of the Departments :

- Preparing annual calendar consisting of curricular activities.
- Distribution of workload, discussion of syllabus and units at the beginning of every session. Emphasis on research writing for journals, in conferences and seminars also take place in the meeting.
- Submit the annual budget to the principal.

Teaching faculty :

College teachers including contributory teachers took their classes. They maintain the record of internal assessment.

Various committees :

There are 25 committees and extension units as given in the portfolio which cover academic, administrative, infrastructural, curricular, co-curricular, extension programmes and activities. Portfolio is attached as a web link.

Laboratory Assistant: There is one laboratory assistant in the college. His work is supervision all the five laboratories.

Laboratory Attendants:

There are four laboratory attendants. They have to work in the laboratory as per the guidelines of HOD as well as teachers.

Administrative staff: It include Head clerk, Senior clerk, Junior clerk, and four peons

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	Nil
Upload any additional information	<a href="#">View File</a>

### 6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user interfaces	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	No File Uploaded

## 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

The college provides following welfare schemes for all teaching, non-teaching staff.

1. **Group insurance for employees:** In this Insurance policy Premium is deducted monthly from the salary of employee. In the event of death, insurance amount is given to the nearest relative or the maturity amount is paid on superannuation.
2. **Madhuganga Nagri Pat Sahakari Santha Mohpaoffers following financial welfare schemes for our employees:**
  - Home loan up to 10 lacs
  - Personal loan up to 12 lacs

3. **General Provident Fund Scheme:** Monthly Premium is deducted from the salary & deposited in Government Account. Refundable and non-refundable GPF loans are available to the needy employees on demand.

Record about transaction of GPF about interest and government share is maintained year wise by Joint Director office, Nagpur.

4. Pension Scheme for employees: The employees appointed prior to 1st November 2005 are availing Pension Scheme. Other employees have been availing Defined Contribution Pension Scheme (DCPS). Regular record about transaction of GPF about interest and government share is maintained annually.

5. Study Leave for Faculty Development Programmes: Study leave have been sanctioned for attending conferences, seminars for Refresher and Orientation Courses.

6. Medical Leave and medical bill reimbursement.

7. Career Advancement Scheme (CAS) is applicable as per the Government norms.

8. Minor Research Projects (MRP) facility is applicable.

9. Casual Leave/ Earned Leave/ Average Pay Leave (APL)/ Special Disability Leave/

Maternity Leave are admissible in the institution.

10. Felicitation of teaching staff for individual academic, extension and research achievements.

11. Sanitizer for the staff to maintain hygiene.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year**

**6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year**

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File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	No File Uploaded

### 6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

#### 6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

10

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

### 6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

#### 6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

18



File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

### 6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The college has well designed Appraisal System. It is implemented with the help of performance appraisal Reports (PAR) which evaluates overall performance of the Teacher. Principal has informed Teacher API Committee for the assignment of Teacher's API score which works under the direction of IQAC of the college. Teachers are informed to submit their respective formats of Annual performance Indicator under PBAS well in advance. Performance appraisal system evaluates on following parameters:

1. Responsibilities of Various Committees formed in the academic session 2020-2021

2. Students' Academic Results

3. Research & Development Activities

4. Encouraging students in publications and awards in seminar / conferences organized by other colleges

5. More publications

The responsibilities of the various Committees performed by the faculty members are assessed. Research contributions like the publications of research papers, chapter in books, editing books, research articles, major and minor research projects, invited talk contribute to PBAS. The academic evaluation of the teachers are done every year through proper guidelines of UGC & state government.

After verification of all document required to claim score on performance, the chairman of Teacher API committee sign the API

format of teacher then forwarded to Principal and Joint Director office for placements and promotions.

The college follows the systematic procedure for performance appraisal of non-teaching staff. Annual confidential Report (C.R.) is filled by Principal based on their performance and compliance with the order of the administration. The consequent of each head of the Department is taken while preparing the C. Rs. of non-teaching staff of each department. These CRs are verified by the Principal and sent to the joint Director for further procedure. On the basis of seniority, the promotion of non-teaching staff is concerned, their fixation is carried out as per G.R. SANKRINA 2009/(326/09) dated 7th October 2009.

Confidential Report of teaching and non-teaching staff is taken vertically. Confidential Reports of the teachers is taken by the respective heads, and Principal of the college.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

## 6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

**Financial management:** Financial management is monitored by the institution and by the parent organization. The strategic plans of the institution are supported by the finances received from different sources. It also helps us to achieve the goals defined in the vision and mission of the institution. Being state government funded, the institution received salary grants from the state government. The institution also received funds from sources like tuition fees of enrolled students, donation from parent organization, development funds, registration fees, fines and penalties, UGC schemes, grants for NSS. The financial budget prepared in the beginning of the academic session is kept before College Development Committee (CDC) for approval. At the end of each financial year the institution undertake internal audit of all accounts.

At the beginning of each academic year the principal convenes a CDC

meeting and present budget which is sanctioned and the expenses are done accordingly in that year.

HODs create budget plan according to the requirements of various departmental labs, need of equipment's, chemicals, plants material and specimen for section cutting, animal's species for dissection and required funds for various activities like guest lectures, workshops, seminars, industrial visit and for reference books etc. Budget is planned under the careful supervision, and considerations of need of all the departments. Priorities are made on basis of the needs to fulfill various committees, financial requirements to upgrade the development of the department as well as college. Principal collects the data and have a discussion with the Heads of Department, and then it is forwarded to the management for approval.

The management deposes a team of internal auditors that verify voucher of the transactions, scholarship transaction and any other financial matters for each financial year. Then the external audit is carried out by approved Chartered Accountant. CA verifies and certifies the entire Income & Expenditure and the Capital Expenditure of the college for each financial year. Kamat and Durugkar & Co., Nagpur is our registered auditor. The last audit was done for the financial year 2020-21

No objections were recovered in this academic year. Therefore no objections were resolved in internal and external financial audit.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

#### 6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

##### 6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

1.30

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	<a href="#">View File</a>
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	No File Uploaded

#### 6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

##### Sources of fund generation:

Collection of tuition fees : Economically backward students and open category students have Free ship Concession & backward students paid through the scholarship paid to them by the government.

Development funds received from, Library Fees, Laboratory Fees, Sports fee, Library fee, Laboratory, Environment fee, Magazine fees.

##### Mobilization of funds

Scholarship:Scholarship is deposited in Bank Account of students. Tuition fee collected from the students is used as non salary grants to incur various expenditures including stationary, electricity, printing and internet, maintenance, furniture etc.

Laboratory Fees:It is used for current lab expenditures .

Library Fees : It is used for the purchasing of books, textbooks, journals, periodicals.

Sports fee: It is used for purchasing of sports materials, kits, TA/DA of the players and expenditure for organization of tournaments and sports event.

Extracurricular fund : It is utilized for the organization of the annual function of the college, cultural activities and various functions in the college.

##### Utilization of resources

College utilizes available resources in the departments and labs in the following manner.

- Head of each department shoulder the responsibility of optimum utilization of the available instruments, machines, tools, chemicals, software's and hardware of their respective departments.
- Regular lab attendants are appointed in the science labs.
- Teachers are asked to attain to faculty development programme
- Attendance register of students are maintained by the concerned in-charge.
- Departmental stock registers are maintained.
- Stock Verification Committee examine stock of Furniture, office equipment, and laboratory equipment.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

### Practical: Students Support Mechanism

Due to consistent efforts of the IQAC, following two programmes were organized in the college for the academic session 2020-21

Webinar of Student induction programme on "Examination structure during Covid" organized in the college 23 December 2020 at 10.30 am. Introduction of programme was given by Dr. A. R. Bijwe. Presidential speech was given by Mr. N. K. Shrikhande . Principal Dr. A. K. Tikhe delivered a talk on "General awareness of exam".

Dr. V. S. Borkar (Head Library Dept.) guided the students on topic "time management during exam" . Dr. A.P. Ganorkar, Head Department of Chemistry guided students on online examination structure". Dr. A.N. Darvekar delivered valuable speech on "how to solve online off line exam". Vote of thanks was delivered by Dr. A.H. Rangari.

There are two methods to appear for online examination

- Through Google forms
- Through RTMNU pariksha app

Through Google forms: URL link will be given, click it, new page

will be open, solve Que. Ans. Means choose any one correct answer from the four option, After solving submit.

Through RTMNU Pariksha app: How to download the pariksha app

- Android phone is necessary
- Click on play store
- Download the RTMNU pariksha app
- Enter user ID and password
- Start exam
- Profile ---- Exam name
- Roll number
- Student Name
- Mobile Number
- Subject name
- Time table
- Exam Details
- Start exam ----

If there is any problem regarding the exam please contact to university they can take and account of their problem.

Problem like

Low connectivity

Low Battery should be solved by student

Low space in Phone

But problem like

Exam did not start

Time for solving was less

Exam did not Appear

Wrong subject paper

Exam did not submit

This details was given through webinar

Practice 2 : World Ozone day Celebrations

1. Department of Zoology, K.Z.S. Science college, Bramhani, Kalmeshwar, organized a webinar on World Ozone day in the college on 16-09-2021, for awareness of Ozone depletion and Montreal Protocol. Dr. AasidharaDarvekar, Head of the department introduced some aspects about Ozone layer.

The Montreal Protocol on Substances that Deplete the Ozone Layer (the Montreal Protocol) is an international agreement made in 1987. It was designed to stop the production and import of ozone depleting substances and reduce their concentration in the atmosphere to help protect the earth's ozone layer. India is now phasing out the next category of chemicals, Hydrochlorofluorocarbons (HCFs) as per the accelerated phase-out schedule of the Montreal Protocol and has already met 2015 and 2020 phase-out targets. The complete phase-out of production and consumption of HCFs will be by 2030 with a service tail of 2.5% annual average during the period 2030-2040. Darvekar also explained about the bad effects of Ozone depletion and harmful effects of UV radiation on Biosphere.

This was followed by a quiz competition where more than 40 students participated. Dr. Tikhe, principal, addressed students with his valuable thoughts about Ozone layer. Dr. M. P. Thakre proposed a formal vote of thanks and concluded the event

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

#### 1 .Teaching-Learning Reforms through ICT:

In this academic session due to pandemic on line classes are conducted by teaching faculties by using Teaching Learning apps, Google meet and Google classrooms. Some teachers have prepared the videos of topics in the syllabus, and forwarded to students . Projects, assignments, and presentations are made mandatory as parts of the courses in order to motivate the students to gain practical knowledge and to enhance the necessary skills that are required for their academic development. Two laboratories have been renovated and two new laboratories are constructed to fulfill the need of

students.

Internet resource Centre is operational in the college for the students.

Bar-coding system is available in the library for the students.

The institution is equipped with overhead and LCD projectors. Smart boards are available in ICT classrooms. Faculty and students are encouraged to use these aids regularly.

## 2. Evaluation of Students through Examinations:

Student's performance can be evaluated through Examinations. In this session some departments conduct unit tests, surprise tests, assignments. Online examination of students was conducted using Google meet and Google class room and results are declared . The 20% internal assessment marks are given to the students on the basis of attendance, tests, seminars, and home assignments.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

**D. Any 1 of the above**



File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	No File Uploaded

## INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Gender equality is one of society's most challenging issues. Gender equity programmes are held on a regular basis at the college and beyond the college. Guest speakers from a variety of fields are invited to talk on the issue, which highlights the value and contribution of women in society.

The following are some of the institution's gender equity promotion programmes:

The college has a strong ethical work culture that values on inclusion. In all of its actions, it adheres to the highest ethical standards. All people are given equal chances regardless of their gender, race, caste, colour, creed, language, religion, political or other beliefs, national or social background, or wealth. Its special work culture, healthy traditions and ethos have driven to enrolment of 75% girl's understudies and 5 ladies staff. Safety, security and well-being, in conjunction with sexual orientation value and inviting working atmosphere are the issues of prime concern to college.

Annual Gender sensitization activity arrange to taken in college is as takes follows: Action Plan

Sr. no.

Title of the Programme

Period (from-to)

## Participants

Female

Male

1.

Webinar on gender equality

30/03/2021

61

30

2.

Online College level poster and poetry

08/03/2021

14

---

Gender affectability is an inalienable esteem within the social ethos of the founded and its neighboring community, as is obvious by the taking after college.

### a. Safety and Security

First Aid Facility is provided to students. In case of emergency, students and staff are taken to rural Hospital, which is situated beside college.

Nearby Police Station's contact number and toll free help line numbers are displayed on notice boards, library and girls common room.

The firefighting equipment is kept at college corridor.

The students uniform compulsorily and I-Card in the campus.

Peon is appointed in the campus 24 X 7.

The college has installed CCTV Cameras at different locations such as Entrance, Library, Corridors, Principals Cabin, and Class Rooms etc.

College has set up various committees like Women Grievance Committee, Anti-Ragging Committees, work on Security purpose.

#### b. Counseling

1. The college offers students the opportunity to be mentored. Every instructor takes on the role of mentor for a certain set of students. Faculty members help students see their own potential and urge them to harness it in productive ways. Teachers provide professional development guidance to students.

2. Students can meet with concerned teaching and non-teaching staff members, as well as the Principal, at any time on campus without making an appointment to discuss their issues and recommendations. These issues are quickly examined, and remedies are adopted with the agreement of the governing body if needed.

3. The teachers also guide students for study of competitive exams, personal and financial problems

4. Faculty also help students to select the proper PG course after passing graduation.

5. The Career Guidance and counseling cell provides counseling on careers and higher studies.

6 Students whose performance in semester end tests is not sufficient receive individual counseling.

#### c. Common Rooms

1. The Institute has separate girl's common room,

2. Separate washrooms for boys and girls are there in the college.

#### d. Day care center for young children

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	Nil

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment**

**C. Any 2 of the above**

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management**

The college is concerned about trash management in order to maintain a clean and environment friendly campus. Faculty and students are reminded on a regular basis to reduce trash to the absolute minimum. All students dispose of trash in containers located throughout the college campus. The trash is treated according to its nature.

**Solid waste management**

- Dust containers for solid waste collection are strategically located around the campus.
- All biodegradable solid trash generated on campus, including the majority of waste papers, is collected and transferred to the Gram Panchayat for further solid waste treatment.
- The solid biodegradable waste collected from the garden , play fieldcollected and dumped for decomposition to be used as a source of bio fertilizer. During the decomposition to be used as a source of bio fertilizer. During the autumn season a large quantity of fallen dry leaves are collectedand dumped to

decompose for manure. Autumn season a large quantity of fallen dry leaves are collected and dumped to decompose for manure.

#### Liquid waste management

Liquid waste All the liquid waste from washroom, bathroom is collected into soakage pits through systematic drainage. Zero percent leakage of waste water is ensured.

#### E-waste management

Computers hardware accessories such as flip flops, memory chips, motherboards, compact discs, cartridges, and other materials, are appropriately recycled. This year B.Sc final year batch of students

made computer display board by using of E-waste computers hardware accessories. The e-waste generated from hardware which cannot be reused or recycled is being disposed of centrally through vendors.

#### Hazardous chemicals and radioactive waste management

- We do not produce any Hazardous or radioactive waste in the college.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	Nil
Any other relevant information	<a href="#">View File</a>

**7.1.4 - Water conservation facilities available in the Institution:** Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

**B. Any 3 of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

C. Any 2 of the above

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. Landscaping with trees and plants

File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Any other relevant documents	No File Uploaded

### 7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	<a href="#">View File</a>

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment

D. Any 1 of the above

with ramps/lifts for easy access to classrooms.  
 Disabled-friendly washrooms Signage  
 including tactile path, lights, display boards  
 and signposts Assistive technology and  
 facilities for persons with disabilities  
 (Divyangjan) accessible website, screen-  
 reading software, mechanized equipment 5.  
 Provision for enquiry and information :  
 Human assistance, reader, scribe, soft copies of  
 reading material, screen reading

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The college creates an inclusive atmosphere for everyone, fostering tolerance and peace in the face of cultural, regional, linguistic, community, socioeconomic, and other differences.

Various sports and cultural events held at the college encourage peace and harmony to each other Women's Day, Yoga Day, sport day, AIIDS, and other commemorative days are only a few examples..

The college has code of ethics for students and staff which must be adhered to by all personnel, regardless of their cultural, geographical, language, communal socio-economic, or other differences. Motivational lectures of eminent persons of the field are arranged for all-round development of the students for their personality development and to make them responsible citizens following the national values of social and communal harmony and national integration Besides academic and cultural activities, always built up many strong infrastructures for a variety of sports activities for the physical development of the students such as Gym, Indoor stadiums etc.

The college holds events such as 'Marathi Rajbhasha Din' and 'Marathi Bhasha Sanvardhan Fortnight' to foster linguistic sensibility and tolerance. During these events, students are assigned to trace the assimilation of many languages in the formation of Marathi.

NSS Units of the college celebrated National Unity Day on 31st October 2021 to commemorate the birth anniversary of Sardar Vallabhbhai Patel.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

The college is dedicated to upholding the nation's principles and fulfilling its constitutional duties. It raises awareness of constitutional duties among staff and students through a variety of regular practises, events, and initiatives.

The Indian Constitution's Preamble is prominently posted at the campus and is readily visible to all new students and visitors.

NSS Unit and Library department has organised Constitution Day Celebration on 26-11-2021 at college premises. The Objective of the program is to inculcate constitutional obligations among students, to create awareness about constitution, to sensitise the students about importance of constitution day. Various sorts of activities are arranged to form today meaningful. Information about the essential structure of the constitution, the fundamental duties and rights of the citizens, the supply of review, the concept of social justice, the separation of powers, etc. is shared with the scholars by the teachers on the day to mark the significance of the constitution of India.

The college celebrates national festivals of Independence Day and Republic Day every year on 15th August and 26th January respectively to nurture and revive the spirit of nationalism, patriotism and national integrity among the students and the staff.



One of the staff is appointed as Nodal Officer for the Voters Registration Campaign to encourage and assist students aged above 18 years to get themselves registered as voters in the prescribed forms.

The college is reckoned to be an establishment with strong community commitment and social consciousness in the vicinity. Not only the scholars and employees but the local people also respect the institution for its

Contribution to social development and out-reach activities for the advantage of the society

The college organizes NSS camps within the nearby villages where in student volunteers, besides helping in village development work, spread awareness among the local about government schemes and programs. Through cultural programs and street-plays they struggle to make awareness about superstition eradication, open defecation-free village, girl education and evils of female feticide and dowry system, Thisyear College NSS Unit distributed masks and sanitizers twice during the covid -19 period.

#### COVID TIMES

Students and teachers were encouraged to undertake Janta Curfew pledge during lockdown to show their responsibility as citizens. NSS gave messages to students and citizens to stay at home and prevent spread of virus.

College staff and Students are encouraged to share their notes and collect one-sided used or printed papers and reuse them.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional** B. Any 3 of the above

**ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized**

File Description	Documents
Code of ethics policy document	No File Uploaded
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

**7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals**

- Youth day celebration on behalf of swami vevakanad jayanti: 125th birth anniversary of Netaji Subhash Chandra Bose On this occasion, the IQAC and NSS Unit of College was organized a Webinar on the life history of Netaji Subhash Chandra Bose. With this arrangement all the teaching, non teaching staff and college students were participated.
- The webinar on NATIONAL SCIENCE DAY 2020-21 was conducted by department of Physics at our college on 1 /03/21
- Women's day celebration on 08/03/2021 by women cell.
- International Yoga Day On 21st June, our college celebrates this day by practicing Yoga.
  - 12th Aug. 2021 Librarian day celebrate on occasion of Dr. S R Ranganathan Jayanti.
- World Organ Donation Day is observed on August 13 every year to unfold attention about the significance of organ donation and tackle and debunk myths related to donating organs. This day strives to encourage human beings to donate their wholesome organs after loss of life in order to save more lives. The students of our college made a video on World Organ Donation Day and sent it to all whatsapp groups.

- Teachers and management, students of k.Z.S College celebrated India's 75 Independence Day on the morning of 15th August.
- Student Council celebrates on online mode September 5th on teacher days to remember the contribution of teachers in a student's life.
  - International Day for the Preservation of the Ozone Layer
  - Every year, 16th September is celebrated as Ozone Day. Zoology Department organizes Guest Lecture for making students aware of the importance of Ozone Layer.
  - Online reading day on 15 oct 2021 A.P.J. Abdul Kalam's birthday anniversary.
  - 2nd October, the birthday of Mahatma Gandhi, is a day when we remember his values of Peace and Nonviolence.
  - Constitution Day was celebrated on 26 November by the college.
  - World Wildlife Conservation Day on 04-12-2021 organizes by Department of Zoology.
  - National Mathematics day on 22/12/2021 birthday anniversary of Ramanujan.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

**Best practice 01: Physical training for various armed forces (PTVAF)**

- Content
- Goal
- The context
- Implantation
- Problem encountered and resources required
- Evidence of success
- Table of success story

**Introduction:**

College has provided playground facility to the youth for physical exercise as well as for special training for various armed forces jobs.

#### Goal

- The basis for planning the training programme for candidates appearing for competitive exams is to meet the changing needs of time.
- To motivate learners to improve their wellbeing and make them physically fit to take on different challenges.
- To boost students ' confidence and success in everyday life.

#### The context

- There is no training center in the surrounding area for this form of operation.
- Students have different gifts that are not discussed in everyday study life, so they need a forum to enhance their inner characteristics.
- By introducing them to a training programme called physical training for different armed forces, the college provides them with a special corridor to demonstrate their results.
- The management and the principal agreed to make it possible by providing the student sufficient position and special training equipment.
- A member of the sports faculty and a teacher are assigned to train the students and have specific knowledge of the physical fitness programme.

#### Implementation

- Students are asked to register their names with each member of the faculty.
- The morning and evening time slots are organized for training sessions.
- The faculty member develops the fitness curriculum according to the need for the jobs.
- For students to get unique enhancement in their body, various athletics competitions are arranged.
- Fitness is this training programme's main motto. Other interested students are also active in making it fit.

#### Problems encountered and resources required

- Catastrophic failures can hamper learning like rain.

- To get educated, it is very difficult to manage all age group candidates.
- Insufficient diet often poses risks to the applicant in order to get full training and fitness.
- Holding a daily diet schedule for not all candidates

Evidence of success

- A significant number of students have worked successfully and are serving the government. Students have served in the CRPF, Army, CBI, Police Department, etc. to date.
- Student participation in physical fitness for different armed forces has grown tremendously.

Sr. No.

Year

No. of Students enrol.

No. of Student

Post

Force

1

2016-17

35

03

Police

City/ Rural / police/SRPF/

2

2017-18

25

06

Police

City/ Rural / police/SRPF/

3

2018-19

20

04

police

City/ Rural / police/SRPF/

4

2019-20

30

01

Security guard

Management Information Security Forum

Best Practice: 02

Study Improvement Program for Slum Area Student (SIP-SAS)

## CONTENTS

- Introduction
- Goal
- The Context
- Implementation
- Problems encountered and Resources required
- Evidence of Success

## INTRODUCTION

The Principal of College observed that some students from area

nearby college at Aadarsh Nagar were lagging behind in Studies of formal education Std. 8 to 10. It was decided to arrange some special classes for students. The College approached to the NGO called Bridge of Hope gave details about the theme of the project. The Principal mesmerized by the theme and gave permission to the implement it.

#### GOAL

- The main objective of the college is to enhance the interest of slum area students in studies.
- The basis for creating a student's identity is to fulfil the changing needs of the moment.
- To bring about huge improvements in students' understanding of science and mathematics.
- To inspire learners to read and understand Science and Mathematics books.
- To boost the student's confidence and success in everyday life for study phobia.

#### THE CONTEXT

- Students are fearful of science because of the world in which they work. They are rural students who mostly come from slum areas.
- A special corridor is provided by the college to allow them to connect twice a week with each other and with our college students.
- The Management and Principal agreed to make it easier to communicate with each other by having a suitable place and special class arrangement.
- In order to benefit themselves, different contests were arranged for the students to participate and manage their skills.

#### IMPLEMENTATION

- The Bridge of Hope (NGO) has registered students.
- Enrolled students are eligible to attend engagement sessions and courses.
- The college students develop a special curriculum for the student in the slum area who has a specific syllabus.
- General Mathematics, General Science and English Special Tutorials are part of the syllabus.
- The college offers three students twice a week to provide special coaching to students in the slum area for unique

subjects.

#### PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED

- It is tedious at first to create the atmosphere for the programme in the slum area.
- It's really hard to make them realise the value of learning in their lives, or they go to work for their families to earn.
- Students never ever think about overall personality growth. They have decent dressing sense but no language sense.

#### EVIDENCE OF SUCCESS

- Student involvement in the curriculum has been enormously improved.
- Participation in the SSC Board Review has also increased due to this activity.
- Students also passed the SSC Board test.

#### TABLE OF SUCCESS STORY Study Improvement Program for Slum Area Student (SIP-SAS)

Sr

Year

No. of Student

Pass examination (SSC)

1

2018-19

5

1

2

2019-20

10

6



File Description	Documents
Best practices in the Institutional web site	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

The institution and parent institution, Dr. Bhabha vidnyan lokshishan sanstha's goal clearly states to promote science education among rural students The college has been performing well in the following distinctive areas.

- The college is located in the rural area and has been offering co-education in the science faculty since 1992

- All faculties are Doctorate (Ph.D.)

- Highly qualified and dedicated faculty imparts and guides to Ph.D. since last 10 years and students have been awarded Ph.D. degree.

- Organized various type social activities like Organ donation and Body donation awareness program since 17 years

- Well-maintained infrastructure, well-equipped Laboratories.

- Career guidance and counseling Cell organizes useful and inspiring guest lectures,

provides coaching, and also online competitive examination in the form of MCQ.

- Boys and also girls students have excellent performance in the sports at

university level

- NSS unit organizes extra-curricular activities and develop Holistic morality in NSS volunteers.

- The college campus is under the CCTV surveillance.

- Women cell organized programs on women's emancipation and empowerment.
- During the curriculum delivery, the college organizes many extra and co-curricular activities. The college staff and other personalities have sponsored cash prizes for meritorious students, which act as an incentive for students to excel in exams and motivate them to do better.
- A huge playground with 200 meter track lane, well-equipped Gym. and indoor stadium is available for physical development of students.
- ICT facilities for teaching and learning process. In addition to wired LAN, the whole campus is made Wi-Fi enabled to students and faculty to access internet..
- College Central Library is well equipped with Text/Reference Books, Periodicals and Journals. Books issue and return by LMS LIBMAN Masters software.
- Every departments organize seminar and workshops for the development of students' skills.
- College NSS unit is active in order to imbibe strong Social values in our students

Despite being a single faculty science college with limited numbers of teachers, the college has also played an important role in curriculum design of the university.

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

K.Z.S. Science college is affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur (M.S.) and run by Dr. Bhabha Vidnyan Lokshikshan Sanstha, Kalmeshwar from 1992. There is no provision of revision of syllabus at college level but members of board of study in various subjects contribute in revision and updating of syllabus at university level and it is mandatory to all to adhere this university syllabus and examination pattern. There is no scope to modify the curriculum at college level. At the beginning of every academic year, action plan for effective implementation of curriculum is developed and all the departments chalk out an academic teaching plan includes lecture hours, topic to be taught and other departmental activities to conduct during academic year. Every academic year, university prepared academic calendar and principal conduct the meeting for implementation of academic calendar and forms various committees for smooth conducting. Time table committee design the time table for the session in which periods and workload of every teacher is allotted as per the university norms and for extra workload clock hours basis teachers are appointed as per the need. All heads of departments chalk out an action plan for effective curriculum delivery and departmental activities. They also distribute the individual workload of theory and practical's periods to departmental faculties. Institutional infrastructure and curricular facilities are regularly augmented according to increasing the student strength. Institution has well equipped laboratories, library facility and classrooms. For upgrading the knowledge, the principal encourages teachers to participate in various seminars, conferences, workshops, short term courses, orientation and refresher courses and also to publish various research papers in national and international journals.

To make teaching more effective and meaningful, use of ICT tools, teaching aids, well equipped lab, chart, reference books, journals, library facility etc is made. These teaching aids create interactive atmosphere in the class and facilitate effective understanding of subjects. Every year organize Study tours, Industrial visit, Field visit, Horticultural training, Local visit, guest lectures and others for students to improve

their inclusiveness but due to Covid-19, a few such activities are conducted. To ensure learning outcome, internal assessment is carried out through student seminars, group discussion and project works. Unit tests are conducted after completion of each unit and at the end of semester common test on complete syllabus and evaluated. In order to improve knowledge of educationally backward students, extra classes (Remedial classes) are taken. Guardian and faculty members continuously interact and assess performance of mentee and provide assistance to tackle their problems encountered during learning. Human/social values and professional ethics are inculcated in students by organized vaccination camp, tree plantation, under the Swachh Bharat Abhiyan to spread awareness about plastic mukt Bharat in students. Pledge taken about Plastic Mukht Bharat, arrange student rally to spread awareness. At the end of semester, institutional head conducts meeting in which review about the allotted and completed curriculum and activities is taken and suggestion are given to staff members.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	Nil

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The K.Z.S. Science College is affiliated to the R.T.M. Nagpur University, Nagpur and an academic calendar prepared by the university at the beginning of each semester including various curricular events of the session. The calendar was uploaded on college website and displayed on notice board and was also communicated to students through their emails or Whats app group. It was updated and revised as per suggested by the university. All the classes and unite test, common test, practical examination were planned as per the calendar, thus ensuring complete adherence.

Compliance of Continuous Internal Evaluation (CIE) with Academic Calendar

1 Time table regarding theory and practical- The IQAC of college have formulate the timetable committee. The in-charge of the committee was designed time table as per the university norms and

implemented at the beginning of the session and the workload of each teacher is allotted as per the norms. Time table was uploaded to students on their Whats app group as well as display on notice board.

2 . Theory and practical classes allocation- After the allocation of time table to the department , head of each departments prepare a individual departmental time table and distributes to the teachers as per the workload of theory and practical classes.

3. Internal Examination- The internal examination of the college like the unit test, common test, test practical practical exam are conducted in the form of MCQ. The setting of theory and practical examination question papers, evaluated and analyzed by concern teacher.

4. Question paper setting and evaluation - The question paper setting of university examination was prepared in MCQ forms under university telephonic communication by some faculties during covid-19 situation. During this year due to Covid-19, the evaluation of examination sheets commonly occurs by online mode.

5. University Exam- The schedule of university examination about theory and practicals were prepared by university. As per the schedule regular semester examination were conducted by university and supplementary examination was took in college level.

6. MCQ- Every teacher conducted regular class test in the form of MCQ on related topic for practice and revision with the help of goggle meet during the year.

7. Students feedback- At the end of academic session students was submitted their feedback on curriculum and institution through online mode due to Covid-19.

8. Arrange Webinar/ workshop- Under the women cell the Webinar was arranged on gender equality. The workshop was conducted on women diseases at Waroda village with some women staffs and they were share and discussed some relevant problem.

9. Activities Organized - Under the NSS unit of college the various online activities like Covid-19 awareness, Yoga day, various jayanties and some others were conducted.

File Description	Documents
Upload relevant supporting documents	<a href="#">View File</a>
Link for Additional information	Nil

**1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University**

**B. Any 3 of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.2 - Academic Flexibility

**1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented**

**1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented**

3

File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	No File Uploaded

**1.2.2 - Number of Add on /Certificate programs offered during the year**

**1.2.2.1 - How many Add on /Certificate programs are added during the year. Data**

**requirement for year: (As per Data Template)**

0

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template )	No File Uploaded

**1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year**

0

**1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year**

0

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	No File Uploaded

**1.3 - Curriculum Enrichment****1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum**

The institute is affiliated to Rashtrasant Tukadoji Maharaj, Nagpur University and follows curriculum of the University, hence a subject on Environmental studies as part of the syllabus of second year as a compulsory subject.

Socially relevant issues relating to Gender, Environmental sustainability, Human values and Professional ethics have been integrated into the larger framework of activities have been designed.

Gender equality is one most challenging issue of the societies. It was held on a regular basis at the College. Under the Women Cell committee, the International Women Day was celebrated through

workshop at Waroda village on women diseases on dated 8 March 2021. In this programme were discussed various types of women disease problems and its remedy. The webinar were organized on 30 March 2021 through women cell on Gender equality and invited Guest speaker was talk on the various issues and highlighted on the values and contribution of women in society.

Under the Swachyata Action Plan MHRDC, Gov. of India, the college have been runs the various activities like Sanitization and hygiene, Waste management, Energy management, Greenery.

In order to sensitized students about the environment and sustainability issues were several academic activities like seminars, workshop, guest lectures are held. Under the Sakal Media, three students of our college were participated to Nasik under the programme "Young Inspectors Network" and participated students awarded.

In Covid-19, under the NSS unit of college, the Mask distribution activity was conducted at Waroda Village on dated 8.05.2020, for this events the Grampanchayat Waroda, the Sarpanch and some villagers of the same village were also participated . During that, the mask were distributed and the villagers have awared about the rule of covid-19 awareness .In this activity 100 houses were surveyed with seven NSS volunteers as well as college teaching and non teaching staffs were participated.

On behalf of NSS Unit of College enthusiastically celebrated 6th International Yoga day on 21 st June-2020. All the registered NSS Unit students along with college students took part in this online celebration of YOGA. They prepared videos, photograph on various types and skilled based activities and posted on various whatsapp group. The National Youth Day 2020 conducted on the occasion of Swami Vivekananda birthday on 12 January. The Unit was organized online quiz competition on 15.01.2021 on the life history of Swamiji.

On 22/07/2021, the event of Tree Plantation under the National Service Scheme unit and Botany department was held at college premises with 14 participants including NSS volunteers and teaching staffs. Trees are the foremost source for producing the oxygen in environment, they helps to reduce the level of CO<sub>2</sub>. As we all know that the whole world is facing the problem of global warming and to recover from such problem planting the trees is become one of the most important needs today.



Constitution Day, also known as Samvidhan Divas, was celebrated in college on 26 November 2020 through participation of all staffs of college. The college to administer a pledge to staffs on 26 November to follow the fundamental duties. The NSS unit was conducted the online MCQ quiz for students, 87 students were participated and among them three students were nominated for the prize. The awareness programme was organized on the occasion of Swachyatadivason 13-14 Aug 2021. in college premises and 39 participant were present including NSS volunteers, the teaching and non teaching staffs and took Swachyata pledge about swachyata.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	<a href="#">View File</a>

### 1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

0

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	No File Uploaded

### 1.3.3 - Number of students undertaking project work/field work/ internships

0	
File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	No File Uploaded
<b>1.4 - Feedback System</b>	
<b>1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni</b>	A. All of the above
File Description	Documents
URL for stakeholder feedback report	<a href="#">View File</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	<a href="#">View File</a>
Any additional information(Upload)	<a href="#">View File</a>
<b>1.4.2 - Feedback process of the Institution may be classified as follows</b>	B. Feedback collected, analyzed and action has been taken
File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	Nil
<b>TEACHING-LEARNING AND EVALUATION</b>	
<b>2.1 - Student Enrollment and Profile</b>	
<b>2.1.1 - Enrolment Number Number of students admitted during the year</b>	
<b>2.1.1.1 - Number of sanctioned seats during the year</b>	
422	

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

### 2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

#### 2.1.2.1 - Number of actual students admitted from the reserved categories during the year

340

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

### 2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The institute takes care of its students especially the slow learners or weak students where we help the students with a teacher Mentor. Extra classes for the hard topics are arranged weekly and weak students are requested to attend. The mentor-mentee system also helps the students to solve difficult question by their mentors. This system has been made available in college since 2017. At the commencement of every academic session one of the faculty members allots the class-wise names of the mentors and mentee. The mentors then contact their mentee and inform them for further meetings. The mentors are responsible for academic progress, health, economic support as and when required and mental welfare of their mentees. They provide primary emotional counselling to those who need them and refer them for more professional counselling, if required. An orientation programme for the mentees is held to get familiar with the institution, its goals and mission, the facilities available and the regulations of the affiliating university. The mentors maintain the memoir of each apprentice including their family background and socioeconomic status. They keep a check on their attendance, performance, routine and academic progress. The mentors use both formal and informal means of mentoring., Hence the slow learners get much attention and clear their difficulties

promptly

File Description	Documents
Link for additional Information	Nil
Upload any additional information	No File Uploaded

### 2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
414	15

File Description	Documents
Any additional information	No File Uploaded

### 2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

KZS college believes in the adoption of students centric methods to enhance student involvement as a part of participative learning and problem solving methodology. Team works, Debates , Seminar and Quizzes, specifically Students centric Teaching Methods are reflected in Field Visit, Industrial visit& guest lectures. Specifically the students centric methodology include

#### 1. Experiential Learning

1.1 Field Visits: Faculty identifies and propose Academically significant Field visits and Surveys

1.2 Industrial Visits: Departments Plan and Organise the industrial visits for students to provide exposure for industrial work culture.

1.3 Guest Lecture: Guest lecture by eminent experts from industry and academics are identified and lectures are organised to supplement the teaching process and provide experiential learning.

#### 2. Participated Learning

2.1 Team work All Departments organize students activities to promote the spirit of Team work.

The activities and Camp of NSS, institutional social responsibility ,Village Adoption, Tree plantation . Swatchh Bharat and Health awareness camp to help the students to learn Art of living in a team for Social and community welfare.

2.2 Debates: Debates are followed in many of the subjects where students are required to come with different opinions, thought processes thus the learning process gets justified in the arguemental way of learning.

2.3 Group work: Practicals, subject matter related to environmental issues and workshops in all individual and group work under the guidance of teachers are also conducted.

### 3. Problem solving Methodology

3.1 Theme topic display board: Students are given the responsibility to deck up display board according to subject theme. Students gather their own material through internet as well as newspaper cut-outs, which makes them understand the topic in depth. This study method is adopted while teaching-learning process to make the students have logical thinking and practical knowledge to develop problem solving ability.

3.2. Analysis and Reasoning : All questions in examination are based on analysis and reasoning. Free internet access in the library and wifi facilities in campus promotes the habit of self learning and discussion.

3.3 Discussion : College follows the discussions methods in many of the subjects as it makes the students to think wide and participate to present their opinions & suggestions to check their current knowledge. Discussions are held basically in almost all the subjects during the classes , etc.

3.4 Quizes: Quizes are conducted by subject teachers in classes which helps the students understand the current scenario for various topics like Ozone depletion, Global warming , Wild-life conservation.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

The teaching staff at KZS Science college have adopted use online education resources, social networking sites, blended learning platforms like google classroom to effectively deliver teaching and provide enhanced learning experience to the students.

Around three of the classrooms have LCD projectors in them which are used for screening PPTs made by staff for making students understand subject related topics.

The use of ICT by teachers in classrooms apart from enabling students to keep pace with the contemporary digital and virtual world has helped student centric learning approach.

You- Tube, E- mails, WhatsApp group, Zoom, Google meet and Google classrooms are used as platforms to communicate, provide material and syllabus, conduct tests, upload assignments, make presentations, address queries, mentor and share information.

The library also provides access to computers and on line journals freely available in public domain and also to journals subscribed on the advice of faculty and facilitates downloads.

Every teacher is responsible to conduct the classes according to the time allotted and the students are also required to provide online feed -back on the curriculum and teaching-learning environment on every course in last semester.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	Nil

**2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year )****2.3.3.1 - Number of mentors**

15

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	No File Uploaded
mentor/mentee ratio	No File Uploaded

**2.4 - Teacher Profile and Quality****2.4.1 - Number of full time teachers against sanctioned posts during the year**

15

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded

**2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)****2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year**

15

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	<a href="#">View File</a>

### 2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

#### 2.4.3.1 - Total experience of full-time teachers

27

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

### 2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The college has transparent and robust evaluation process in terms of frequency and variety. In order to ensure transparency in internal assessment, the system of internal assessment is communicated with the students well in time. The Principal holds meetings of the faculties and directs them to ensure effective implementation of the evaluation process. At the entry level, admissions are given purely on merit basis and the lists of merit students are displayed on Notice board. Students who are admitted for the concerned course are assessed continuously through various evaluation processes at college and University level. Continuous evaluation is made through Group Discussion, Unit Tests, Assignments Submission, Field Visit / Field Work and Seminars Presentation. Unit tests are conducted regularly as per the schedule given in academic calendar. The weightage for the unit tests varies as per the concerned faculty. The performance of the students is displayed on the Notice board and communicated to the students. Personal guidance is given to the poor performing the students after their assessment. Students



appearing for Second /third year are asked to deliver the seminars of the concerned subject. Topics are given by their teachers to the students to prepare for power point presentation. For transparent and robust for internal assessment, the following mechanisms are conducted Internal Examination Committee. Question Paper Setting. Conduct of Examination Result display Interaction with students regarding their internal assesement. The method of internal assessment helps the teachers to evaluate the students more appropriately. Due to internal assessment, the interest of the student towards learning and attending the classes has been also increased. It has created the interest among the students to take active participation in various co-curricular and extra-curricular activities for their overall personality development. The seminar presentation improves the communication skills of the students which is very essential to face the interviews. In this way mechanism of internal assessment is transparent and robust.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

At KZS Science college have a well-organized mechanism to deal with examination related grievances which transparent in the pattern and conduction of CIE and rectification of grievances is time bound.

The college follows strictly the guidelines and rules issued by the affiliating university while conducting internals and semester-end examinations.

Institute level: At Institute level, an examination committee, comprising of a senior teacher as convener and other teaching and non-teaching staff as members, is constituted to handle the issues regarding evaluation process. Students are counseled by the faculty mentor, and remedial classes are conducted for students who have failed in the examinations. Internal Assessment marks are entered in the University web portal by the respective faculty members personally. Practical marks are also uploaded by the respective internal teacher in-charge to condense all the grievances.

**University level:** If students have grievances related to evaluation of university answer scripts it is intimated to the subject handling faculty and head of the department if necessary, for further action. Students can bring their grievances by applying for the following evaluation procedure: **Re-Evaluation:** Students can apply for re-evaluation of their answer scripts within a week from the declaration of results if they are not satisfied with their results. The results of re-evaluation will be announced as per the university norms.

**Challenge Evaluation:** If the re-counting/re-evaluation results are not satisfactory, a student can apply for challenge evaluation within a week after the announcement of the reevaluation results. The evaluation process is carried out by two subject experts. Result will be announced before commencement of University Examination and the fees will be refunded to the students if he/she clears the paper. So maximum chances are given to the students to clear the subject. The entire process is maintained transparent and time bound by the university.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

**KZS Science College comprises of Basic science departments**

When students graduate in science faculty students inculcate the knowledge with facts and figures related to various subjects in pure sciences such as Physics, Chemistry, Botany, Zoology, Mathematics, etc. They implicit the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life. Acquired the skills in handling scientific instruments, planning and performing in laboratory experiment The dexterity of observations and drawing logical conclusion from the scientific experiments. Exploration of the given scientific data critically and systematically and the ability to draw the objective conclusions. This leads to develop the thinking ability and create to advise novel ideas in explaining facts and figures or

providing new solution to the problems. Realized how developments in any science subject helps in the development of other science subjects and vice-versa and how interdisciplinary approach helps in providing better solutions and new ideas for the sustainable developments. Developed scientific outlook not only with respect to science subjects but also in all aspects related to life. Realized that knowledge of subjects in other faculties such as humanities, performing arts, social sciences etc. can have greatly and effectively influence which inspires in evolving new scientific theories and inventions. Imbided ethical, moral and social values in personal and social life leading to highly cultured and civilized personality. Developed various communication skills such as reading, listening, speaking, etc., which we will help in expressing ideas and views clearly and effectively. Realized that pursuit of knowledge is a lifelong activity and in combination with untiring efforts and positive attitude and other necessary qualities leads towards a successful life. Developed flair by participating in various social and cultural activities voluntarily, in order to spread knowledge, creating awareness about the social evils, blind faith, etc.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all courses (exemplars from Glossary)	No File Uploaded

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

#### Department of Physics:

Physics is a core branch of science which consists of topics that studies matter and its motion through space and time, along with related concepts such as energy and force. Physics uses mathematics to organize and formulate experimental results and from which new predictions can be made. The results from physics experiments are numerical measurements. Technologies based on mathematics, made computational physics as active area of research.

#### Department of Chemistry:

Students will demonstrate an understanding of major concepts in

all disciplines of chemistry Students will employ critical thinking and the scientific method to design, carryout record and analyze the results of chemical experiments and get an awareness of the impact of chemistry on the environment, society and cultures outside the specific community

Department of Zoology:

To understand the nature and basic concepts of Zoology. To understand the analysis of relationship among animals, plants, microbes and environment. It provides insight into how "Life" works and consequently, how we work. The concept of students is cleared in the laboratory of Bio- Science. Course Outcomes. Students will be able to demonstrate the ability to read, understand and critically review scientific information .Students will be able to demonstrate ethical conduct in scientific activities. Students will be able to recognize the relationship between structure and function at all levels: molecular, cellular and organism.

Department of Botany:

To inculcate in students the scientific study of plants which in learn is used in many aspects of human life. Plants being necessary for supporting all life forms on earth, either directly or indirectly. Its study helps in better understanding of our selves at the cellular and genetic level. Course Outcomes ? Students will be able to define and explain major concept in the biological sciences. ? It will helps the student to use biological instruments in proper and correct way . ? It will enable the students to explain and apply the scientific method including designing and conducting experiments and testing hypotheses.

Department of Mathematics:

Demonstrate basic manipulative skills in algebra, geometry, trigonometry and• beginning calculus. Apply the underlying unifying structures of mathematics and the relationships among• them. Demonstrate proficiency in writing proofs. • Investigate and apply mathematics problems and solutions in a variety of contexts• related to science, technology, business and industry and illustrate these solutions using symbolic, numeric or graphical methods. Students can understand the foundation of Mathematics. • They are able to perform basic computation in higher Mathematics. • Students are able to develop problem solving

skills. They are able to communicate Mathematical ideas with others. They can enhance the quality of analysis and research in different mathematical fields. Operations. research can develop the management quality in different industries and factories.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil

### 2.6.3 - Pass percentage of Students during the year

#### 2.6.3.1 - Total number of final year students who passed the university examination during the year

179

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

### 2.7 - Student Satisfaction Survey

#### 2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<http://www.kzsscollege.edu.in/wp-content/uploads/2022/02/Student-Satisfaction-Survey-Batch-2020-21.pdf>

### RESEARCH, INNOVATIONS AND EXTENSION

#### 3.1 - Resource Mobilization for Research

##### 3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

##### 3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

Nil

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	No File Uploaded

### 3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

#### 3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

Nil

File Description	Documents
List of research projects and funding details (Data Template)	No File Uploaded
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

### 3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

#### 3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

12

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

### 3.2 - Research Publications and Awards

**3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year****3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year**

11

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

**3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year****3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year**

09

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

**3.3 - Extension Activities**

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The impact of following extension activities in sensitizing students as well as teachers and also society to the social issues and holistic development is the involvement of students, teachers and society by self initiation in the issues and their active participation.

Institution involved in national calamity such as COVID-19. Teaching and nonteaching staff were worked as frontline worker. During pandemic situation our college team had distributed the masks in the nearby villages. We have conducted and celebrated International Yoga day on June 21, 2021 and explained the importance of Yoga in our daily life. We have conducted online

quiz on the occasion of Yuva day in January 2021. Also we have conducted the program on the occasion of Samvidhan Divas (Constitution Day), so that student can aware about our Constitution. To know the work and devotion of our Leader Netaji Subhashchandra Bose for the nation, College celebrated 125th Birth anniversary of the Hero of the nation.

#### 1. Mask distribution at Waroda Village during COVID-19 Pandemic

During COVID-19 pandemic situation, College team along with seven students of the college had taken step to distribute mask at the nearby village "WARODA". We have distributed 500 masks for the 100 houses by keeping physical distance and rules of Covid-19 in 2020.

#### 2. International Yoga Day

NSS Unit of College, enthusiastically celebrated 6th International Yoga day. On Sunday 21st June, 2020, all registered students of NSS Unit along with college teachers took part in this online celebration of YOGA. They prepared videos and photograph on various types and skilled based activities. Total 20 participants were taken part in the event.

#### 3. National Youth Day (Yuva Day)

The College was celebrated National Youth Day 2021 at the occasion of Swami Vivekananda's birthday on 12 January. The Unit was organized online quiz competition on 15.01.2021 on the life history of Swamiji. 49 students were participated among three students awarded the prize.

#### 4. Samvidhan Diwas ( Constitution Day)

Constitution Day was celebrated in college on 26 November 2020. All staff of college participated in the event. The college staff pledged to follow the fundamental duties on this occasion. College conducted the online MCQ quiz for students, 87 students were participated and 3 students were nominated for the good work.

#### 5. 125th Birth Anniversary of Netaji Subhash Chandra Bose



The IQAC and NSS Unit of College organized a Webinar on the life history of Netaji Subhash Chandra Bose on 23/01/2021. All the teaching, non-teaching staff and college students participated. Dr. Mahatma along with three students presented a speech on the life history of Netaji. 71 participants were present.

#### 6. Dr. Homi Bhabha Death Anniversary

NSS Unit of college organized Dr. Homi Bhabha's death anniversary and conducted an online quiz competition for college students on dated 21/01/2021. Total 60 students participated. Top three students were selected for 1st, 2nd and 3rd prizes namely Prajakta Hajare of B. Sc. II.; Durga Pande of B. Sc. II.; and Mr. Yogesh Bhojar of B. Sc. II respectively.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### 3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

#### 3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

02

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of awards for extension activities in last 5 year (Data Template)	No File Uploaded
e-copy of the award letters	No File Uploaded

### 3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year

#### 3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/

**YRC etc., during the year**

06

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	No File Uploaded

**3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year****3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

299

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

**3.4 - Collaboration****3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year**

01

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year****3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year**

03

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

**INFRASTRUCTURE AND LEARNING RESOURCES****4.1 - Physical Facilities**

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

An adequate infrastructure and physical facilities for the teaching-learning process are precisely available as per the requirement by statutory bodies. Well furnished-specious six classrooms with proper air and light circulation and, each having room more than sufficient of student's intake are in use with well seating arrangement in the college building. From the session 2020-21, according to infrastructure augmentation, now we have six classrooms. Out of these six classrooms, room 1 is of 750 sq ft, room 2 & 3, each is of 500 sq ft, room 4 & 5, each is of 1000 sq ft and room 6 is of 375 sq ft. Classrooms 1 to 5 are at first floor and classroom 6th is at ground floor. All classrooms are in the range of wi-fi facility and rooms 1 to 5 are with LCD facility. Now we have well furnished-specious five laboratories with proper air and light circulation and, each having room more than sufficient of student's intake are in use with well seating arrangement in the college building. Out of these, three laboratories (Physics - 1500 sq ft, Chemistry - 1500 sq ft and Computer Science - 375 sq ft) are at the ground floor and two laboratories (Botany - 1000 sq ft and Zoology - 1000 sq ft) are at the first floor. All laboratories are well equipped with some sophisticated instruments. All the laboratories are in

the range wi-fi facility. All the departments, including laboratories, have computers for individual faculty with internet facility (LAN and wi-fi). Total 25 computers are available for the students with internet facility (LAN and wi-fi), in the laboratory of computer science.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

#### Cultural Activities:

All cultural activities are planned to conduct in the seminar hall cum auditorium (2000 sq ft) and corridor (1800 sq ft), depending on the number of audience. The student's annual function is often conducted by hiring the stage and shamiyana system in the open space outside the college building.

#### Sports - Games:

The spacious Indoor Stadium (879 sq m ~ 9500 sq ft) including bat-Minton court, volley ball court is available. Huge play ground (1.01 hectore) is available including running track - 200m, short-put sector, jumping pit, double bar - single bar, volley ball ground, kabaddi ground and cricket pitch. The sports in Chess and Carrom are conducted in the rooms attached with the indoor stadium. One well equipped gymnasium hall (800 sq ft) is in practice.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

00

**4.1.3.1 - Number of classrooms and seminar halls with ICT facilities**

07

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

**4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)****4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)**

2.079

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

**4.2 - Library as a Learning Resource****4.2.1 - Library is automated using Integrated Library Management System (ILMS)**

Library is automated using Integrated Library Management system (ILMS) Library plays an important role in an academic institution towards the teaching -Learning and research activities. LIB-Man masters soft is a cloud based library automation software that is a Partially integrated, user-friendly, multi-user package for computerization of all the in-house operations of the Library- Lib-Man is embedded with Multi-lingual Fonts, Barcode , Some of the books have been bar coded for issue return purpose, the rest being in process of being bar coded.

**Physical description Particulars**

Name of the ILM Software - CLOUD based LIBMAN

Nature of automation - partially automated

Version - Libcloud 2.0

Year of Automation - 2019-20

AMC for Software - Rs. 17000

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional Information	Nil

**4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources**

E. None of the above

File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	No File Uploaded

**4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)**

**4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)**

0.0981

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

#### 4.2.4 - Number per day usage of library by teachers and students ( foot falls and login data for online access) (Data for the latest completed academic year)

##### 4.2.4.1 - Number of teachers and students using library per day over last one year

1.69

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	<a href="#">View File</a>

#### 4.3 - IT Infrastructure

##### 4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

In past, up to year 2019-2020, wifi and LAN, both were working with 20 mbps. Now, with updating from 2020-2021, one BSNL broad band plan Fibro 2000 GB/Month CS64 of BSNL BHARAT FIBER BB Service (100 mbps) and another ONE broadband plan of 50 mbps are in use. Both, LAN and wi-fi facilities are available for individual faculty, principal's office and administrative office. For the LAN connectivity, two port boxes each of 8 switches are situated at first floor and ground floor, respectively. For smooth accession, two routers, one is at ground floor and another is at first floor, each having 100 meter range providing IT facility to individual faculty, student and non teaching staff. Each of the students can take the use of wi-fi facility. Also, all classrooms, departments and laboratories are under the coverage of wi-fi.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.3.2 - Number of Computers	
21	
File Description	Documents
Upload any additional information	No File Uploaded
Student – computer ratio	<a href="#">View File</a>
4.3.3 - Bandwidth of internet connection in the Institution	
A. ? 50MBPS	
File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>
4.4 - Maintenance of Campus Infrastructure	
4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)	
4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)	
0.45	
File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts.	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>
4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.	
<p><b>1. PHYSICAL Facility</b></p> <p><b>1. General</b></p>	



The departments, laboratories, corridor, office and campus are enriched with sufficient lighting and air circulation system. There are four solar lamps/ street lights of superior quality on the playground. Drinking water / washroom water has been managed by lifting the water from well and tube-well using electric motor- pumps. The facility of Hygienic drinking water for the staff and students has been managed. One electrical technician has hired on AMC basis. The high power generator of 25 kVA (Kirloskar make) is there to run the all campus work including classroom teaching, library and office in case of power off. The power generator is under the company service.

Water circulating system for washrooms and laboratories is available. One plumber/technician is hired on AMC basis. Daily cleaning of office, departments, classrooms, laboratories, library and washrooms has carrying by class four staff of college. The annual white wash has been carried by calling the local painters on hire basis.

## 2. Sport

The specious Indoor Stadium including bat-Minton court, volley ball court, and play ground including running track - 200m, short-put sector, jumping pit , double bar - single bar, volley ball ground, kabaddi ground, cricket pitch, and gymnasium, all these are under maintenance by calling respective service mans as per requirement time to time. The cleaning, map sketching and decoration of play ground has been carried time to time by NSS volunteers/student players.

Sport material is issued to students as per the schedule. For intercollegiate competitions sport material is issued to the student for the practice. Gymnasium is in use by college students and students of other colleges as per the given slot.

### 1. ACADEMIC Facility

#### 1. Laboratories

We call the company service mans as per requirement for high grade instruments. Regular servicing and maintenance is carried out for the instruments. Service engineers from manufacturing companies will be called for the repairs, if available. Practical batches are prepared so as to give hands on experience to all the

students. Practical are conducted in morning and afternoon sessions for maximum utilization of laboratory space.

## 2. Library

Proper ventilation is done so as to maintain dry environment near book shelves. Regular dusting and cleaning is done by using vacuum cleaners. Pest control is carried out so as to increase the life of valuables resources of library. Furniture is repaired as per the requirement centrally. Book binding is frequently carried as per requirement.

Library is kept open in long vacations for the benefits of the students. Library is with two spacious reading rooms for the girls and boys students, respectively. In average, 20 to 25 students are utilizing the library and reading rooms. The manual transaction and LMS transaction through computer system are available for the students and staff.

## 3. Computers/ ICT/DLP

Regular up gradation is carried out for computers hardware/software. One software/hardware technician is hired on annual contract basis (AMC) to maintain, repair and extend the computers, DLPs and Internet BB/wi-fi service.

All the departments / laboratories including office have updated computers and printers with internet connections of UL\_50Mbps\_M / BSNL broad band plan Fibro 2000 GB/Month CS64 of BSNL BHARAT FIBER BB (100 mbps) service. Available computers are distributed in departments, office, library and administrative office, as per the requirement and load of the work. Computers are connected through LAN and wi-fi internet facility. Computers are provided with upgraded antivirus. Twenty one computers are available for the student's academic purpose.

## 4. Classrooms

Spacious six classrooms with norms are available as per student's intake capacity. Daily cleaning of classrooms has done by class four staff of college. All the classrooms are facilitated with DL projectors, online (internet) LAN and wi-fi service for effective teaching - learning process.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

##### 5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

297

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

#### 5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

##### 5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

00

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	No File Uploaded

<b>5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills</b>	<b>D. 1 of the above</b>
<b>File Description</b>	<b>Documents</b>
Link to institutional website	<b>Nil</b>
Any additional information	<a href="#">View File</a>
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>
<b>5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year</b>	
<b>00</b>	
<b>5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year</b>	
<b>00</b>	
<b>File Description</b>	<b>Documents</b>
Any additional information	<b>No File Uploaded</b>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<b>No File Uploaded</b>
<b>5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees</b>	<b>D. Any 1 of the above</b>

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

## 5.2 - Student Progression

### 5.2.1 - Number of placement of outgoing students during the year

#### 5.2.1.1 - Number of outgoing students placed during the year

00

File Description	Documents
Self-attested list of students placed	No File Uploaded
Upload any additional information	No File Uploaded

### 5.2.2 - Number of students progressing to higher education during the year

#### 5.2.2.1 - Number of outgoing student progression to higher education

14

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

### 5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

#### 5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State

**government examinations) during the year**

00

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	No File Uploaded

**5.3 - Student Participation and Activities****5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year****5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.**

03

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms )

**Describe the students' representation and engagement in various administrative, co-curricular and extracurricular activities within a maximum of 500 words**

**Student Council and representation of students for academic session 2020 - 2021 committees of the institution Level.**

**The college establishes student council as per Maharashtra university act and direction no.5of 1996 regarding to student council of affiliated college as per section 40(6)**

A) Selection As per university act the student council is formed. Students are nominated for each class who have shown academic merit in the examination held in the preceding year and who are full time students in the college.

#### B) Constitution

i) The student council consist of Principal as a Chairman ii) one senior lecturer. iii) NSS programme officer iv) one Class representative student v) Director of physical education vi) Student from sport, NSS, Cultural activity, General secretary is elected as per the university guideline.

One student representative is elected as secretary.

i) The council encourage students to participate in various activities conducted by the institution

ii) The council bring forth the problem and short out them. iii) The council major role the planning and execution of curricular and extracurricular activities D) Funding are provided by the college. College takes various activities under the students council

As per guideline given by principal, following committee for the Student Council has been formed in institution level for the session 2020-2021

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### 5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

#### 5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

01

File Description	Documents
Report of the event	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	<a href="#">View File</a>

#### 5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Alumni was registered on dated:27 Sep2021

Registration No.Nagpur/0000256/2021

Student Alumni

Name of In-charge: Dr. S.S. Charjan

Name of Member: Dr. A. H. Rangari

Number of meeting One

Details of the Activities: Brief Report

Student Alumni Dated 08-09-2021

Student Alumni was organized on 08-09-2021 at K. Z. S. Science College Bramhni-Kalmeshwar at 10.30 am. On this occasion Principal of the college Dr. A. K. Tikhe, Dr. U.B. Mahatame Head, Dept. of Physics, Dr. A.P. Ganorkar, IQAC Coordinator and Head Dept. of Chemistry, Co-ordinator of Student Alumni Dr. S.S. Charjan & ex-students were present. Introductory speech was delivered by Dr. S. S. Charjan .

Initially, incharge of student alumni Mr. S. S. Charjan welcomed all in the programme.

Alumni committee have successfully conducted online alumni meet



on dated 08/09/2021. There were 53 participants in the meeting and they were actively participated. In this meeting alumni members put their opinion in various aspects.

One of the alumni Dr Atul Nagpure gave detail information about JAM examination and IIT admission for M. Sc. Mr. Kuldeep Bhongade ( Vice president of Alumni) proposed widely discussion how to get a job in medical field and he assured that he guide those students who are interested to work in the medical field. Ankit Sahare also gave the guidance about JAM examination. Sweta Ingle talked about preparation of NET And GATE examinations. Rushikesh Charjan gave the information about how to develop carrier in music. All the alumni shows the active participation in through out discussion. There were suggestion from alumni and faculty which will be considered in further meeting . Ku. Ritu chake ,ashwini gadge, pankaj charjen , Ravindra bodkhe and ku Vidhya Khawale interacted with students

In the Presidential speech Principal Dr. Tikhe requested all ex-students to co-operate for the overall development of the college.

At last treasure of alumni association Dr L.L. Sawerkar proposed vote of thanks

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

<b>5.4.2 - Alumni contribution during the year (INR in Lakhs)</b>	<b>E. &lt;1Lakhs</b>
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File Description	Documents
Upload any additional information	<a href="#">View File</a>

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

**K. Z. S. Science College Bramhni-Kalmeshwar isa avant grade**

institution in higher education in rural area, has been providing divine service to the young generation for over past 28 years of its existence.

The priority of college to provide basic knowledge for various carrier for job potential It conduct diversified programme to generate awareness about various social issue.

Vision :Accordingto proverb "Tamso Ma jyotirgamaya"  
toinculcateand promote scientific approach for students coming from rural background and enlighten their lives with light of knowledge.

Dr.Bhabha Vidnyan Lokshikshan Sanstha was established in Sepatember 1981. The sanstha stared serving society through various social activities such as blood donation, body donationdiagnostic camp, total and partial solar eclipse awareness programs, eradication of superstitions, science workshops etc.

The college faculty, staff and students inspire each other to engage in quality educational experiences to achieve student's success. Withinthispartnership, all members share a mutual accountability for student's achievements.

Mission :

1. To inculcate and develop scientific approach, interest and awareness among the society.
2. To promote knowledge, communal harmony and national integration.
3. To work for superstition eradication.
4. To organize various scientific and social programs regarding health awareness, agricultural and pollution awareness.
5. College partners with a dynamic community of diverse students to help them to achieve their educational goals.
6. Through research, reflection and dialogue, the college offers programmes in basic skills, career and technical education as well as work force improvement.
7. College plays its role as an intellectual, economic and cultural anchor for the region.

Nature of Governance

The institution believes in democratic decentralized and

participative governance. The College Development Council (CDC) , Principal, IQAC, and the faculty play a pivotal role in the designing and implementation of its quality policies in teaching, learning, research and extension activities through collaboration and participative governance. Faculty members have proper representation on various bodies and committees of the institution. The formal and informal arrangements in the institution to coordinate the academic and administrative planning and implementation reflect the college's efforts in achieving its vision.

#### Perspective plan:

The instructions in perspective plan helps in a systematic and well thought out implementation of welfare measures in tune with the vision and mission. As per perspective plan due to pandemic college organized various online programmes like guest lectures, student's induction programme, different webinars, quiz competition, mask distribution programme, book review competition, women's day programme etc. In infrastructure development the construction of class room, seminar hall, renovation of laboratories has been completed.

Faculty members use Google meet, Google classroom, whatsapp for the online teaching.

#### Participation of Teachers in decision making bodies:

Teachers plays an important role in implementing the vision and mission of the college and take proactive part in decision making process. Teachers have representation on various decision making bodies of the organization as follows:

- College Development Committee
- Construction of various Committees
- Internal Quality Assurance Cell

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

Describe a case study showing decentralization and participative management in the institution in practice within a maximum of 500 words.

The college encourages and motivates a culture of decentralization and participative management. The college ensures participation of all stakeholders such as: teaching, non-teaching staff, students, alumni, local society members and parents in a number of administrative roles. Important committees comprise of teachers, and non-teaching staff as well as students.

**CASE STUDY:**

College development committee (hereafter referred as CDC) is the best example of decentralization and participative management.

**COLLEGE DEVELOPEMENT COMMITTEE (CDC):**

The composition of the CDC is as follows:

1. Chairperson of the management
2. Secretary of the management or his nominee;
3. Principal of the college or head of the institution
4. One head of department, to be nominated by the Principal
5. Three teachers in the college, elected by the full-time amongst themselves out of whom at least one shall be woman;
6. One non-teaching employee, elected by regular non-teaching staff from amongst themselves;
7. Four local members, nominated by the management in consultation with the principal, from the fields of education, industry, research and social service of whom at least one shall be alumnus;
8. Co-coordinator, Internal Quality Assurance Committee of the college;
9. President/Secretary of the College Students' Council;

## Role and Functions of CDC

1. It prepares an overall comprehensive development plan of the college regarding academic, administrative and infrastructural growth, and enable college to foster excellence in curricular, co-curricular and extra-curricular activities.
2. Decide about the creation of additional teaching and administrative posts;
3. Take review of the self-financing courses in the college and make recommendations for their improvement;
4. Make specific recommendations to the management to encourage extension activities in the college;
5. Make specific recommendations to the management to encourage the use of information and communication technology in teaching and learning process;
6. Make specific recommendations regarding the improvement in teaching and suitable training programmes for the employees of the college;
7. Prepare the annual financial estimates (budget) and financial statements of the college or institution and recommend the same to the management for approval;
8. Make recommendations regarding the students' and employees' welfare activities in the college or institution
9. Perform such other duties and exercise such other powers as may be entrusted by the management

The CDC members of the institute meet quarterly in a year to discuss and deliberate upon the institutional requirements and unanimously take crucial decisions for the betterment of the organization. As CDC comprises of Management representatives, Principal, Head of the Dept, IQAC Coordinator and various other stakeholders, this committee is the best and ideal example of Participative management and decentralization.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

#### Activity : Rain water harvesting

Department of Zoology, KZS Science college, Bramhani, Kalmeshwar, conducted online webinar on water conservation through Rain water harvesting on 25th July 2021. Dr. Aasidhara Darvekar, Head of the department introduced the guest speaker, Mr. Vijay Limaye.

Mr Limaye in very easy words explained that Rain water harvesting means capturing rain where it falls or capturing the run off in your own village or town. And taking measures to keep that water clean by not allowing polluting activities to take place in the catchment. Therefore, water harvesting can be undertaken through a variety of ways. Capturing runoff from rooftops. He explained through his photographic presentation to harvest the rain water. Currently Rain water harvesting is supposed to be the best practice for water conservation and water resource for the areas where there is water scarcity. Rainwater harvesting (RWH) is the collection and storage of rain, rather than allowing it to run off. Rainwater is collected from a roof-like surface and redirected to a tank, deep pit (well or borehole), aquifer, or a reservoir with percolation, so that it seeps down and restores the ground water. He also showed the photographic evidence for his completed ventures in nearby Nagpur city areas. He recommended installation of filter to down water PVC pipe (RAINTAP POPUP FILTRE), which is useful for clean water collection. His valuable information about Rain water harvesting gained awareness amongst students. Dr. Tikhe, principal, KZS, Science college, Bramhani-Kalmeshwar, appreciated the venture and valued the sincere efforts of Mr. Limaye for his social work towards Humanity.

The college has organized following online webinars during this academic session.

1. A one day webinar on "Plant Tissue culture and it Entrepreneurship" was organized on 13 of October 2021 by

the Botany department and IQAC. Dr. Ashish Warghat, Senior scientist was the speaker of the day. The seminar focused on medicinal plant value, tissue culture learning and its entrepreneurship etc. The main aim of this webinar was to enlighten the students about the current scenario of entrepreneurship. At this webinar 146 participants were present from different colleges around the country.

2. The webinar on NATIONAL SCIENCE DAY 2020-21 was conducted by department of Physics at our college on 1 March 2021. The program was started with introductory speech by Dr. U. B. Mahatme and inaugurated by the presidential speech of honorable Mr. P. R. Shrikhande, the president of college management committee. Then after, all the 70 participants were guided by the invited speakers, Prof. D. D. Barsagade, dept. of Zoology, RTMNU and Dr. Hemant Borkar, Metallurgy Engineering and Materials Science, Indian Institute of Technology (IIT), Indore. Lastly, the vote of thanks was delivered by Dr. S. C. Gedam.
3. Department of Chemistry has organized webinar, Guest Dr. Subodh E. Bhandarkar, Head dept. of Chemistry G.V.I.S.H. Amravati delivered the lecture on topic Environmental Chemistry on 25-9-2021. Total 101 participants are present in this webinar. Lastly, the vote of thanks was delivered by Head of the department of Chemistry, Dr. A. P. Ganorkar.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Dr. Bhabha Vidyanan Lokshnan Sanstha, Kalmeshwar (BVLS) is established in September 1981 is the apex body of the institution. K.Z.S. science college Bramhni- Kalmeshwar was established in year 1992 and only higher educational institution run by the parent sanstha. The executive management of B.V. L. S. approves and monitors the policies and plans for the development of institution. It comprises president, vice president, secretary and 85 other members.

#### Principal and Institution Administration:

The Principal is the main administrative officer and monitors administrative and academic activities. Office staff help the principal in administrative matter whereas head of department and faculty members are help in teaching learning process, co-curricular and extracurricular activities. Internal Quality Assurance cellforms 25 committees for monitoring and facilitating several activities organized in the institution.

#### College Development Committee:

College Development Committee (CDC) constituted according to the Maharashtra university act, 2016. CDC sanctions annual budget and statements of financial issues, discuss the academic progress of institution new appointment, augmentation of infrastructure, up gradation of teaching learning process.

#### Appointment, Service Rule and Procedure.

The institution follows the rules and regulations of UGC, Revised Maharashtra public university Act 2016, and R.T.M. Nagpur University, Nagpur for the recruitment and grievances redressal. The promotional policy of the institution is transparent and impartial. The promotional procedure for teaching faculty is based on PBAS recommended by UGC and R.T.M. Nagpur university.

The confidential reports of non-teaching staff is prepared by the head of the institution and sanctioned by college development committee for promotion to higher position.

#### Grievance Redressal Mechanism:

- The institution has formed a Grievance Redressal committee for faculty, staff and students to redress their grievances to resolve. The principal is the head of this cell and other mechanisms to deal with the situation. After receiving grievances and complaints either on writing or oral form the committee conducts a meeting to discuss the issues and resolve them.

- To prevent cases of sexual harassment and to look into grievances of girl students, the institution has constituted 'anti-sexual harassment committee' as per the norms of the national commission for women, Govt. of India.



But good thing is that till date from starting of this institution there is no any case regarding this.

- The Anti-Ragging committee is also formed to resolve the case related to ragging.

But here is also good thing is that till date from starting of this institution there is

no any case regarding this.

Describe the Organogram of the Institution within a maximum 500 words

Management:

The chief governing body of the college Dr. Bhabha Vidynan Lokshnan Sanstha, Kalmeshwar( BVLS) to be referred as management hereafter is headed by president. Management consist of its office bearers namely vice president, secretary, treasurer and members. Management works harmoniously with other statutory bodies like Principal, college development committee.

The Principal :

Principal is empowered by the management to lead the college towards the achievement of the vision and mission of the college. He is categorically answerable to the management he looks after and ensures the effective implementation of the policies, plans and practices in academic and administrative matters

College development committee :

College Development committee as per the Maharashtra public university act has been formed with the stipulated representation. Regularly take the meetings and discuss the different issues for development of institution.

Internal Quality Assurance cell :

There is an internal Quality Assurance cell which has been working since its establishment in the academic year 2014 and the cell has been shuffled and reshuffled from time to time as per guidance of NAAC. Presently in IQAC committee there are 01 chairman,06 teachers, 01 administrative staff, 01 member from management, one/two nominees from local society student and

alumina, 01 industrial representative and one of the senior teachers as the coordinator/ Director of the IQAC.

**Heads of the Departments :**

- Preparing annual calendar consisting of curricular activities.
- Distribution of workload, discussion of syllabus and units at the beginning of every session. Emphasis on research writing for journals, in conferences and seminars also take place in the meeting.
- Submit the annual budget to the principal.

**Teaching faculty :**

College teachers including contributory teachers took their classes. They maintain the record of internal assessment.

**Various committees :**

There are 25 committees and extension units as given in the portfolio which cover academic, administrative, infrastructural, curricular, co-curricular, extension programmes and activities. Portfolio is attached as a web link.

**Laboratory Assistant:** There is one laboratory assistant in the college. His work is supervision all the five laboratories.

**Laboratory Attendants:**

There are four laboratory attendants. They have to work in the laboratory as per the guidelines of HOD as well as teachers.

**Administrative staff:** It include Head clerk, Senior clerk, Junior clerk, and four peons

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	Nil
Upload any additional information	<a href="#">View File</a>

### 6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user interfaces	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	No File Uploaded

### 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff

The college provides following welfare schemes for all teaching, non-teaching staff.

1. Group insurance for employees: In this Insurance policy Premium is deducted monthly from the salary of employee. In the event of death, insurance amount is given to the nearest relative or the maturity amount is paid on superannuation.
2. Madhuganga Nagri Pat Sahakari Santha Mohpaoffers following financial welfare schemes for our employees:
  - Home loan up to 10 lacs
  - Personal loan up to 12 lacs

3. General Provident Fund Scheme: Monthly Premium is deducted from the salary & deposited in Government Account. Refundable and

non-refundable GPF loans are available to the needy employees on demand. Record about transaction of GPF about interest and government share is maintained year wise by Joint Director office, Nagpur.

4. Pension Scheme for employees: The employees appointed prior to 1st November 2005 are availing Pension Scheme. Other employees have been availing Defined Contribution Pension Scheme (DCPS). Regular record about transaction of GPF about interest and government share is maintained annually.

5. Study Leave for Faculty Development Programmes: Study leave have been sanctioned for attending conferences, seminars for Refresher and Orientation Courses.

6. Medical Leave and medical bill reimbursement.

7. Career Advancement Scheme (CAS) is applicable as per the Government norms.

8. Minor Research Projects (MRP) facility is applicable.

9. Casual Leave/ Earned Leave/ Average Pay Leave (APL)/ Special Disability Leave/

Maternity Leave are admissible in the institution.

10. Felicitation of teaching staff for individual academic, extension and research achievements.

11. Sanitizer for the staff to maintain hygiene.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**6.3.2 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year**

**6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year**

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File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	No File Uploaded
<b>6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year</b>	
<b>6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year</b>	
10	
File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>
<b>6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)</b>	
<b>6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year</b>	
18	

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

### 6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The college has well designed Appraisal System. It is implemented with the help of performance appraisal Reports (PAR) which evaluates overall performance of the Teacher. Principal has informed Teacher API Committee for the assignment of Teacher's API score which works under the direction of IQAC of the college. Teachers are informed to submit their respective formats of Annual performance Indicator under PBAS well in advance. Performance appraisal system evaluates on following parameters:

1. Responsibilities of Various Committees formed in the academic session 2020-2021

2. Students' Academic Results

3. Research & Development Activities

4. Encouraging students in publications and awards in seminar / conferences organized by other colleges

5. More publications

The responsibilities of the various Committees performed by the faculty members are assessed. Research contributions like the publications of research papers, chapter in books, editing books, research articles, major and minor research projects, invited talk contribute to PBAS. The academic evaluation of the teachers are done every year through proper guidelines of UGC & state government.

After verification of all document required to claim score on performance, the chairman of Teacher API committee sign the API format of teacher then forwarded to Principal and Joint Director office for placements and promotions.

The college follows the systematic procedure for performance appraisal of non-teaching staff. Annual confidential Report (C.R.) is filled by Principal based on their performance and compliance with the order of the administration. The consequent of each head of the Department is taken while preparing the C. Rs. of non-teaching staff of each department. These CRs are verified by the Principal and sent to the joint Director for further procedure. On the basis of seniority, the promotion of non-teaching staff is concerned, their fixation is carried out as per G.R. SANKRINA 2009/(326/09) dated 7th October 2009.

Confidential Report of teaching and non-teaching staff is taken vertically. Confidential Reports of the teachers is taken by the respective heads, and Principal of the college.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

#### 6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

**Financial management:** Financial management is monitored by the institution and by the parent organization. The strategic plans of the institution are supported by the finances received from different sources. It also helps us to achieve the goals defined in the vision and mission of the institution. Being state government funded, the institution received salary grants from the state government. The institution also received funds from sources like tuition fees of enrolled students, donation from parent organization, development funds, registration fees, fines and penalties, UGC schemes, grants for NSS. The financial budget prepared in the beginning of the academic session is kept before College Development Committee (CDC) for approval. At the end of each financial year the institution undertake internal audit of all accounts.

At the beginning of each academic year the principal convenes a CDC meeting and present budget which is sanctioned and the expenses are done accordingly in that year.

HODs create budget plan according to the requirements of various departmental labs, need of equipment's, chemicals, plants material and specimen for section cutting, animal's species for dissection and required funds for various activities like guest lectures, workshops, seminars, industrial visit and for reference books etc. Budget is planned under the careful supervision, and considerations of need of all the departments. Priorities are made on basis of the needs to fulfill various committees, financial requirements to upgrade the development of the department as well as college. Principal collects the data and have a discussion with the Heads of Department, and then it is forwarded to the management for approval.

The management deposes a team of internal auditors that verify voucher of the transactions, scholarship transaction and any other financial matters for each financial year. Then the external audit is carried out by approved Chartered Accountant. CA verifies and certifies the entire Income & Expenditure and the Capital Expenditure of the college for each financial year. Kamat and Durugkar & Co., Nagpur is our registered auditor. The last audit was done for the financial year 2020-21

No objections were recovered in this academic year. Therefore no objections were resolved in internal and external financial audit.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

#### **6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)**

##### **6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)**

1.30



File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	<a href="#">View File</a>
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	No File Uploaded

#### 6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

##### Sources of fund generation:

Collection of tuition fees : Economically backward students and open category students have Free ship Concession & backward students paid through the scholarship paid to them by the government.

Development funds received from, Library Fees, Laboratory Fees, Sports fee, Library fee, Laboratory, Environment fee, Magazine fees.

##### Mobilization of funds

Scholarship:Scholarship is deposited in Bank Account of students. Tuition fee collected from the students is used as non salary grants to incur various expenditures including stationary, electricity, printing and internet, maintenance, furniture etc.

Laboratory Fees:It is used for current lab expenditures .

Library Fees : It is used for the purchasing of books, textbooks, journals, periodicals.

Sports fee: It is used for purchasing of sports materials, kits, TA/DA of the players and expenditure for organization of tournaments and sports event.

Extracurricular fund : It is utilized for the organization of the annual function of the college, cultural activities and various functions in the college.

##### Utilization of resources

College utilizes available resources in the departments and labs

in the following manner.

- Head of each department shoulder the responsibility of optimum utilization of the available instruments, machines, tools, chemicals, software's and hardware of their respective departments.
- Regular lab attendants are appointed in the science labs.
- Teachers are asked to attain to faculty development programme
- Attendance register of students are maintained by the concerned in-charge.
- Departmental stock registers are maintained.
- Stock Verification Committee examine stock of Furniture, office equipment, and laboratory equipment.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

### Practical: Students Support Mechanism

Due to consistent efforts of the IQAC, following two programmes were organized in the college for the academic session 2020-21

Webinar of Student induction programme on "Examination structure during Covid" organized in the college 23 December 2020 at 10.30 am. Introduction of programme was given by Dr. A. R. Bijwe. Presidential speech was given by Mr. N. K. Shrikhande . Principal Dr. A. K. Tikhe delivered a talk on "General awareness of exam".

Dr. V. S. Borkar (Head Library Dept.) guided the students on topic "time management during exam" . Dr. A.P. Ganorkar, Head Department of Chemistry guided students on online examination structure". Dr. A.N. Darvekar delivered valuable speech on "how to solve online off line exam". Vote of thanks was delivered by Dr. A.H. Rangari.

There are two methods to appear for online examination

- Through Google forms
- Through RTMNU pariksha app

Through Google forms: URL link will be given, click it, new page will be open, solve Que. Ans. Means choose any one correct answer from the four option, After solving submit.

Through RTMNU Pariksha app: How to download the pariksha app

- Android phone is necessary
- Click on play store
- Download the RTMNU pariksha app
- Enter user ID and password
- Start exam
- Profile ---- Exam name
- Roll number
- Student Name
- Mobile Number
- Subject name
- Time table
- Exam Details
- Start exam ----

If there is any problem regarding the exam please contact to university they can take and account of their problem.

Problem like

Low connectivity

Low Battery should be solved by student

Low space in Phone

But problem like

Exam did not start

Time for solving was less

Exam did not Appear

Wrong subject paper

Exam did not submit

This details was given through webinar

## Practice 2 : World Ozone day Celebrations

1. Department of Zoology, K.Z.S. Science college, Bramhani, Kalmeshwar, organized a webinar on World Ozone day in the college on 16-09-2021, for awareness of Ozone depletion and Montreal Protocol. Dr. AasidharaDarvekar, Head of the department introduced some aspects about Ozone layer.

The Montreal Protocol on Substances that Deplete the Ozone Layer (the Montreal Protocol) is an international agreement made in 1987. It was designed to stop the production and import of ozone depleting substances and reduce their concentration in the atmosphere to help protect the earth's ozone layer. India is now phasing out the next category of chemicals, Hydrochlorofluorocarbons (HCFs) as per the accelerated phase-out schedule of the Montreal Protocol and has already met 2015 and 2020 phase-out targets. The complete phase-out of production and consumption of HCFs will be by 2030 with a service tail of 2.5% annual average during the period 2030-2040. Darvekar also explained about the bad effects of Ozone depletion and harmful effects of UV radiation on Biosphere.

This was followed by a quiz competition where more than 40 students participated. Dr. Tikhe, principal, addressed students with his valuable thoughts about Ozone layer. Dr. M. P. Thakre proposed a formal vote of thanks and concluded the event

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

### 1 .Teaching-Learning Reforms through ICT:

In this academic session due to pandemic on line classes are conducted by teaching faculties by using Teaching Learning apps, Google meet and Google classrooms. Some teachers have prepared

the videos of topics in the syllabus, and forwarded to students . Projects, assignments, and presentations are made mandatory as parts of the courses in order to motivate the students to gain practical knowledge and to enhance the necessary skills that are required for their academic development. Two laboratories have been renovated and two new laboratories are constructed to fulfill the need of students.

Internet resource Centre is operational in the college for the students.

Bar-coding system is available in the library for the students.

The institution is equipped with overhead and LCD projectors. Smart boards are available in ICT classrooms. Faculty and students are encouraged to use these aids regularly.

## 2. Evaluation of Students through Examinations:

Student's performance can be evaluated through Examinations. In this session some departments conduct unit tests, surprise tests, assignments. Online examination of students was conducted using Google meet and Google class room and results are declared . The 20% internal assessment marks are given to the students on the basis of attendance, tests, seminars, and home assignments.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

**D. Any 1 of the above**

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	No File Uploaded

## INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

#### 7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Gender equality is one of society's most challenging issues. Gender equity programmes are held on a regular basis at the college and beyond the college. Guest speakers from a variety of fields are invited to talk on the issue, which highlights the value and contribution of women in society.

The following are some of the institution's gender equity promotion programmes:

The college has a strong ethical work culture that values on inclusion. In all of its actions, it adheres to the highest ethical standards. All people are given equal chances regardless of their gender, race, caste, colour, creed, language, religion, political or other beliefs, national or social background, or wealth. Its special work culture, healthy traditions and ethos have driven to enrolment of 75% girl's understudies and 5 ladies staff. Safety, security and well-being, in conjunction with sexual orientation value and inviting working atmosphere are the issues of prime concern to college.

Annual Gender sensitization activity arrange to taken in college is as takes follows: Action Plan

Sr. no.

Title of the Programme

Period (from-to)

Participants

Female

Male

1.

Webinar on gender equality

30/03/2021

61

30

2.

Online College level poster and poetry

08/03/2021

14

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Gender affectability is an inalienable esteem within the social ethos of the founded and its neighboring community, as is obvious by the taking after college.

a. Safety and Security

First Aid Facility is provided to students. In case of emergency, students and staff are taken to rural Hospital, which is situated beside college.

Nearby Police Station's contact number and toll free help line numbers are displayed on notice boards, library and girls common room.

The firefighting equipment is kept at college corridor.

The students uniform compulsorily and I-Card in the campus.

Peon is appointed in the campus 24 X 7.

The college has installed CCTV Cameras at different locations such as Entrance, Library, Corridors, Principals Cabin, and Class Rooms etc.

College has set up various committees like Women Grievance Committee, Anti-Ragging Committees, work on Security purpose.

#### b. Counseling

1. The college offers students the opportunity to be mentored. Every instructor takes on the role of mentor for a certain set of students. Faculty members help students see their own potential and urge them to harness it in productive ways. Teachers provide professional development guidance to students.

2. Students can meet with concerned teaching and non-teaching staff members, as well as the Principal, at any time on campus without making an appointment to discuss their issues and recommendations. These issues are quickly examined, and remedies are adopted with the agreement of the governing body if needed.

3. The teachers also guide students for study of competitive exams, personal and financial problems

4. Faculty also help students to select the proper PG course after passing graduation.

5. The Career Guidance and counseling cell provides counseling on careers and higher studies.

6 Students whose performance in semester end tests is not sufficient receive individual counseling.

#### c. Common Rooms

1. The Institute has separate girl's common room,

2. Separate washrooms for boys and girls are there in the college.

#### d. Day care center for young children



File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	Nil

<b>7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment</b>	C. Any 2 of the above
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File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management
--

<p>The college is concerned about trash management in order to maintain a clean and environment friendly campus. Faculty and students are reminded on a regular basis to reduce trash to the absolute minimum. All students dispose of trash in containers located throughout the college campus. The trash is treated according to its nature.</p> <p><b>Solid waste management</b></p> <ul style="list-style-type: none"> <li>Dust containers for solid waste collection are strategically located around the campus.</li> <li>All biodegradable solid trash generated on campus, including the majority of waste papers, is collected and transferred to the Gram Panchayat for further solid waste treatment.</li> <li>The solid biodegradable waste collected from the garden , play fieldcollected and dumped for decomposition to be used as a source of bio fertilizer. During the decomposition to</li> </ul>
--

be used as a source of bio fertilizer. During the autumn season a large quantity of fallen dry leaves are collected and dumped to decompose for manure. Autumn season a large quantity of fallen dry leaves are collected and dumped to decompose for manure.

#### Liquid waste management

Liquid waste All the liquid waste from washroom, bathroom is collected into soakage pits through systematic drainage. Zero percent leakage of waste water is ensured.

#### E-waste management

Computers hardware accessories such as flip flops, memory chips, motherboards, compact discs, cartridges, and other materials, are appropriately recycled. This year B.Sc final year batch of students

made computer display board by using of E-waste computers hardware accessories. The e-waste generated from hardware which cannot be reused or recycled is being disposed of centrally through vendors.

#### Hazardous chemicals and radioactive waste management

- We do not produce any Hazardous or radioactive waste in the college.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	Nil
Any other relevant information	<a href="#">View File</a>

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting  
Bore well /Open well recharge Construction of tanks and bunds Waste water recycling  
Maintenance of water bodies and distribution system in the campus**

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 7.1.5 - Green campus initiatives include

#### 7.1.5.1 - The institutional initiatives for greening the campus are as follows:

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. landscaping with trees and plants

C. Any 2 of the above

File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Any other relevant documents	No File Uploaded

### 7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

#### 7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	<a href="#">View File</a>

#### 7.1.7 - The Institution has disabled-friendly,

D. Any 1 of the above

**barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment**

**5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The college creates an inclusive atmosphere for everyone, fostering tolerance and peace in the face of cultural, regional, linguistic, community, socioeconomic, and other differences.

Various sports and cultural events held at the college encourage peace and harmony to each other Women's Day, Yoga Day, sport day, AIIDS, and other commemorative days are only a few examples..

The college has code of ethics for students and staff which must be adhered to by all personnel, regardless of their cultural, geographical, language, communal socio- economic, or other differences. Motivational lectures of eminent persons of the field are arranged for all-round development of the students for their personality development and to make them responsible citizens following the national values of social and communal harmony and national integration Besides academic and cultural activities, always built up many strong infrastructures for a variety of sports activities for the physical development of the

students such as Gym, Indoor stadiums etc.

The college holds events such as 'Marathi Rajbhasha Din' and 'Marathi Bhasha Sanvardhan Fortnight' to foster linguistic sensibility and tolerance. During these events, students are assigned to trace the assimilation of many languages in the formation of Marathi.

NSS Units of the college celebrated National Unity Day on 31st October 2021 to commemorate the birth anniversary of Sardar Vallabhbhai Patel.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

The college is dedicated to upholding the nation's principles and fulfilling its constitutional duties. It raises awareness of constitutional duties among staff and students through a variety of regular practises, events, and initiatives.

The Indian Constitution's Preamble is prominently posted at the campus and is readily visible to all new students and visitors.

NSS Unit and Library department has organised Constitution Day Celebration on 26-11-2021 at college premises. The Objective of the program is to inculcate constitutional obligations among students, to create awareness about constitution, to sensitise the students about importance of constitution day. Various sorts of activities are arranged to form today meaningful. Information about the essential structure of the constitution, the fundamental duties and rights of the citizens, the supply of review, the concept of social justice, the separation of powers, etc. is shared with the scholars by the teachers on the day to mark the significance of the constitution of India.

The college celebrates national festivals of Independence Day and Republic Day every year on 15th August and 26th January respectively to nurture and revive the spirit of nationalism,

patriotism and national integrity among the students and the staff.

One of the staff is appointed as Nodal Officer for the Voters Registration Campaign to encourage and assist students aged above 18 years to get themselves registered as voters in the prescribed forms.

The college is reckoned to be an establishment with strong community commitment and social consciousness in the vicinity. Not only the scholars and employees but the local people also respect the institution for its

Contribution to social development and out-reach activities for the advantage of the society

The college organizes NSS camps within the nearby villages where in student volunteers, besides helping in village development work, spread awareness among the local about government schemes and programs. Through cultural programs and street-plays they struggle to make awareness about superstition eradication, open defecation-free village, girl education and evils of female feticide and dowry system, Thisyear College NSS Unit distributed masks and sanitizers twice during the covid -19 period.

#### COVID TIMES

Students and teachers were encouraged to undertake Janta Curfew pledge during lockdown to show their responsibility as citizens. NSS gave messages to students and citizens to stay at home and prevent spread of virus.

College staff and Students are encouraged to share their notes and collect one-sided used or printed papers and reuse them.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts**

**B. Any 3 of the above**

periodic programmes in this regard. The Code of Conduct is displayed on the website. There is a committee to monitor adherence to the Code of Conduct. Institution organizes professional ethics programmes for students, teachers, administrators and other staff. 4. Annual awareness programmes on Code of Conduct are organized.

File Description	Documents
Code of ethics policy document	No File Uploaded
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

- Youth day celebration on behalf of swami vevakanad jayanti: 125th birth anniversary of Netaji Subhash Chandra Bose. On this occasion, the IQAC and NSS Unit of College was organized a Webinar on the life history of Netaji Subhash Chandra Bose. With this arrangement all the teaching, non teaching staff and college students were participated.
- The webinar on NATIONAL SCIENCE DAY 2020-21 was conducted by department of Physics at our college on 1 /03/21
- Women's day celebration on 08/03/2021 by women cell.
- International Yoga Day On 21st June, our college celebrates this day by practicing Yoga.
  - 12th Aug. 2021 Librarian day celebrate on occasion of Dr. S R Ranganathan Jayanti.
- World Organ Donation Day is observed on August 13 every year to unfold attention about the significance of organ donation and tackle and debunk myths related to donating organs. This day

strives to encourage human beings to donate their wholesome organs after loss of life in order to save more lives. The students of our college made a video on World Organ Donation Day and sent it to all whatsapp groups.

- Teachers and management, students of k.Z.S College celebrated India's 75 Independence Day on the morning of 15th August.

- Student Council celebrates on online mode September 5th on teacher days to remember the contribution of teachers in a student's life.

- International Day for the Preservation of the Ozone Layer
- Every year, 16th September is celebrated as Ozone Day. Zoology Department organizes Guest Lecture for making students aware of the importance of Ozone Layer.
- Online reading day on 15 oct 2021 A.P.J. Abdul Kalam's birthday anniversary.
- 2nd October, the birthday of Mahatma Gandhi, is a day when we remember his values of Peace and Nonviolence.
- Constitution Day was celebrated on 26 November by the college.
- World Wildlife Conservation Day on 04-12-2021 organizes by Department of Zoology.
- National Mathematics day on 22/12/2021 birthday anniversary of Ramanujan.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

**Best practice 01: Physical training for various armed forces (PTVAF)**

- Content



- Goal
- The context
- Implantation
- Problem encountered and resources required
- Evidence of success
- Table of success story

#### Introduction:

College has provided playground facility to the youth for physical exercise as well as for special training for various armed forces jobs.

#### Goal

- The basis for planning the training programme for candidates appearing for competitive exams is to meet the changing needs of time.
- To motivate learners to improve their wellbeing and make them physically fit to take on different challenges.
- To boost students ' confidence and success in everyday life.

#### The context

- There is no training center in the surrounding area for this form of operation.
- Students have different gifts that are not discussed in everyday study life, so they need a forum to enhance their inner characteristics.
- By introducing them to a training programme called physical training for different armed forces, the college provides them with a special corridor to demonstrate their results.
- The management and the principal agreed to make it possible by providing the student sufficient position and special training equipment.
- A member of the sports faculty and a teacher are assigned to train the students and have specific knowledge of the physical fitness programme.

#### Implementation

- Students are asked to register their names with each member of the faculty.
- The morning and evening time slots are organized for training sessions.

- The faculty member develops the fitness curriculum according to the need for the jobs.
- For students to get unique enhancement in their body, various athletics competitions are arranged.
- Fitness is this training programme's main motto. Other interested students are also active in making it fit.

Problems encountered and resources required

- Catastrophic failures can hamper learning like rain.
- To get educated, it is very difficult to manage all age group candidates.
- Insufficient diet often poses risks to the applicant in order to get full training and fitness.
- Holding a daily diet schedule for not all candidates

Evidence of success

- A significant number of students have worked successfully and are serving the government. Students have served in the CRPF, Army, CBI, Police Department, etc. to date.
- Student participation in physical fitness for different armed forces has grown tremendously.

Sr. No.

Year

No. of Students enrol.

No. of Student

Post

Force

1

2016-17

35

03

Police

City/ Rural / police/SRPF/

2

2017-18

25

06

Police

City/ Rural / police/SRPF/

3

2018-19

20

04

police

City/ Rural / police/SRPF/

4

2019-20

30

01

Security guard

Management Information Security Forum

Best Practice: 02

Study Improvement Program for Slum Area Student (SIP-SAS)

CONTENTS

- Introduction
- Goal
- The Context
- Implementation
- Problems encountered and Resources required
- Evidence of Success

## INTRODUCTION

The Principal of College observed that some students from area nearby college at Aadarsh Nagar were lagging behind in Studies of formal education Std. 8 to 10. It was decided to arrange some special classes for students. The College approached to the NGO called Bridge of Hope gave details about the theme of the project. The Principal mesmerized by the theme and gave permission to the implement it.

## GOAL

- The main objective of the college is to enhance the interest of slum area students in studies.
- The basis for creating a student's identity is to fulfil the changing needs of the moment.
- To bring about huge improvements in students' understanding of science and mathematics.
- To inspire learners to read and understand Science and Mathematics books.
- To boost the student's confidence and success in everyday life for study phobia.

## THE CONTEXT

- Students are fearful of science because of the world in which they work. They are rural students who mostly come from slum areas.
- A special corridor is provided by the college to allow them to connect twice a week with each other and with our college students.
- The Management and Principal agreed to make it easier to communicate with each other by having a suitable place and special class arrangement.
- In order to benefit themselves, different contests were arranged for the students to participate and manage their skills.

## IMPLEMENTATION

- The Bridge of Hope (NGO) has registered students.
- Enrolled students are eligible to attend engagement sessions and courses.
- The college students develop a special curriculum for the student in the slum area who has a specific syllabus.
- General Mathematics, General Science and English Special Tutorials are part of the syllabus.
- The college offers three students twice a week to provide special coaching to students in the slum area for unique subjects.

#### PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED

- It is tedious at first to create the atmosphere for the programme in the slum area.
- It's really hard to make them realise the value of learning in their lives, or they go to work for their families to earn.
- Students never ever think about overall personality growth. They have decent dressing sense but no language sense.

#### EVIDENCE OF SUCCESS

- Student involvement in the curriculum has been enormously improved.
- Participation in the SSC Board Review has also increased due to this activity.
- Students also passed the SSC Board test.

#### TABLE OF SUCCESS STORY Study Improvement Program for Slum Area Student (SIP-SAS)

Sr

Year

No. of Student

Pass examination (SSC)

1

2018-19

5

1

2

2019-20

10

6

File Description	Documents
Best practices in the Institutional web site	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

The institution and parent institution, Dr. Bhabha vidnyan lokshishan sanstha's goal clearly states to promote science education among rural students The college has been performing well in the following distinctive areas.

- The college is located in the rural area and has been offering co-education in the science faculty since 1992

- All faculties are Doctorate (Ph.D.)

- Highly qualified and dedicated faculty imparts and guides to Ph.D. since last 10 years and students have been awarded Ph.D. degree.

- Organized various type social activities like Organ donation and Body donation awareness program since 17 years

- Well-maintained infrastructure, well-equipped Laboratories.

- Career guidance and counseling Cell organizes useful and inspiring guest lectures,

provides coaching, and also online competitive examination in the form MCQ.

- Boys and also girls students have excellent performance in the sports at

university level

- NSS unit organizes extra-curricular activities and develop Holistic morality in NSS volunteers.

- The college campus is under the CCTV surveillance.

- Women cell organized programs on women's emancipation and empowerment.

- During the curriculum delivery, the college organizes many extra and co-curricular activities. The college staff and other personalities have sponsored cash prizes for meritorious students, which act as an incentive for students to excel in exams and motivate them to do better.

- A huge playground with 200 meter track lane, well-equipped Gym. and indoor stadium is available for physical development of students.

- ICT facilities for teaching and learning process. In addition to wired LAN, the whole campus is made Wi-Fi

enabled to students and faculty to access internet..

- College Central Library is well equipped with Text/Reference Books, Periodicals and Journals. Books issue and return by LMS LIBMAN Masters software.

- Every departments organize seminar and workshops for the development of students' skills.

- College NSS unit is active in order to imbibe strong Social values in our students

Despite being a single faculty science college with limited numbers of teachers, the college has also played an important role in curriculum design of the university.

File Description	Documents
Appropriate web in the Institutional website	No File Uploaded
Any other relevant information	No File Uploaded

## 7.3.2 - Plan of action for the next academic year

## Future plan (2021-2022)

## Academic:

- To start more short-term courses in emerging subjects.
- Activation of Evaluation on Teaching and Learning through Mentor- Mentee system.
- Remedial programme for academic weak students.
- Use of more ICT Tools for academic development.
- To sign MoU s with different organizations.
- To arrange guest lectures, seminars, workshops with the help of resource persons.
  - Recruitment of more faculty.
  - To introduce P. G. programs in different subject

## Research &amp; Extension:

- Promotion of Research Culture among faculty.
- Encourage faculty for Research Journal Publication.
- Initiative for National & International Linkage.

## Infrastructure:

- Improvement and augmentation of infrastructure.
- Playground development with respect to running track development and indoor wooden court.
- Installation of green gym.



- Beautification of garden.
- Development and installation of Rain Water Harvesting system.
- To create canteen facility.
- To develop smart classrooms.
- Augmentation of conference hall.
- Augmentation of library.
- To develop vermicomposting.

Learning Resource:

- To provide more books and e-content for students.
- Development of smart classrooms.
- To subscribe research oriented journal and periodicals in library.

Student Progression:

- Facilitating support services through activation of career guidance and counselling cell.
- Coaching for competitive examinations.
- Planning specific programme to aware students to join Indian Defence Services.
- Organization of Seminars/Workshops for entrepreneurship development among students.
- Improvement of Teacher-Student ratio for better Academic Development.

Initiative Practices:

- To strengthen Parent-Teacher Association and Alumni Association activities.
- Academic Counselling.

- Teachers' Performance Appraisal.
- To organize state and national level conferences.
- To organize collegiate/ university/ state level competitions for undergraduate students.

Institutional Commitment towards community:

- To organize medical and blood donation camps.
- To organize superstition eradication programs for mass.
- To organize science based workshops for school students.
- To organize community based services through NSS activities.

Innovative practice:

- To established linkages with industries, institutions and local NGO's.