

### YEARLY STATUS REPORT - 2022-2023

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

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| • Financial Status  | Grants-in aid  |
|---|--|
| Name of the Affiliating University                                      | Rashtrasant Tukdoji Maharaj<br>Nagpur University, Nagpur.                                      |
| Name of the IQAC Coordinator  | Dr. AJAY P. GANORKAR   |
| Phone No.   | 07118271167  |
| Alternate phone No.   | 09822690649  |
| • Mobile  | 8208385658   |
| • IQAC e-mail address   | apganorkar@gmail.com   |
| Alternate e-mail address  | ajay.ganorkar21@gmail.com  |
| 3.Website address (Web link of the AQAR (Previous Academic Year)        | https://www.kzsscollege.edu.in/wp<br>-content/uploads/2023/03/AQAR-202<br>1-2022.pdf           |
| 4. Whether Academic Calendar prepared during the year?                  | Yes  |
| • if yes, whether it is uploaded in the Institutional website Web link: | http://www.kzsscollege.edu.in/wp-<br>content/uploads/2023/01/Academic-<br>Calender-2022-23.pdf |
| 5.Accreditation Details   |  |

| Cycle   | Grade | CGPA  | Year of Accreditation | Validity from | Validity to |
|---------|-------|-------|-----------------------|---------------|-------------|
| Cycle 1 | C+    | 60.05 | 2004                  | 16/09/2004    | 15/09/2009  |
| Cycle 2 | В     | 2.19  | 2016                  | 17/03/2016    | 16/03/2021  |

### 6.Date of Establishment of IQAC 28/03/2014

# 7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

| Institutional/Depa<br>rtment /Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|---------------------------------------|--------|----------------|-----------------------------|--------|
| Nil                                   | Nil    | Nil            | Nil                         | Nil    |

| 8. Whether composition of IQAC as per latest | Yes |
|--|-----|
| NAAC guidelines                              |     |

| Upload latest notification of formation of IQAC  | View File                 |                     |
|--|---------------------------|---------------------|
| 9.No. of IQAC meetings held during the year  | 04                        |                     |
| Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?   | Yes                       |                     |
| If No, please upload the minutes of the meeting(s) and Action Taken Report   | View File                 |                     |
| 10.Whether IQAC received funding from any of the funding agency to support its activities during the year?   | No                        |                     |
| • If yes, mention the amount   |                           |                     |
| 11.Significant contributions made by IQAC dur  | ing the current year (max | ximum five bullets) |
| 1. Workshop on Intellectual Property Right on 15/04/2023   |                           |                     |
| 2. Workshop on SSR criteria preparation and DVV on 06/04/2023.   |                           |                     |
| 3. Three days workshop on Yoga and Meditation (17th - 19th April, 2023)  |                           | - 19th April,       |
| 4. Late Deoraoji Bhelkar Memorial Science Oration Program on 03/02/2023.   |                           | rogram on           |
| 5. Student Induction Program on 21/09/2023 and Workshop on Competitive Exam preparation and guidelines on 06/10/2022   |                           |                     |
| 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 |                           |                     |
|  |                           |                     |

| Plan of Action   | Achievements/Outcomes  |
|--|--|
| Conduct regular meeting of IQAC  | IQAC conducted four meetings on;<br>a) 18/08/2022, b)22/12/2022, c)<br>20/03/2023, d) 29/04/2023.  |
| To prepare and submit AQAR, IIQA and SSR   | AQAR (2021-2022) prepared and submitted to NAAC on 24/03/2023. IIQA prepared and submitted on 09/06/2023 and SSR prepared  |
| To organize environmental awareness program for students   | a) Organized Bird conservation week on 08/11/2022, b) Plantation in college premises on 29/07/2022, c) Organized Two days' workshop on water and soil testing on 11 and 12 Nov. 2022 |
| To organize health awareness program for students  | a) Organized woman health<br>awareness program on 17/12/2022,<br>b)Organized blood donation camp<br>04/03/2023   |
| To organize social awareness program for students  | a) Organized girls empowerment camp on 13 and 14 Oct. 2022 , b) Organized voter and aadhar card link camp on 18/08/2022.   |
| To organize 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. RadhaKrishnan, Dr. APJ Abdul Kalam, Dr. Homi Bhabha etc.   |
| To organize extension activities through NSS   | 1) International Yoga Day Celebration on 21/06/2022 2) Savindhan Divas on 26/11/2022 3) Yuva Day Celebration on 12/01/2023   |
| 13.Whether the AQAR was placed before statutory body?  | Yes  |

### • Name of the statutory body

| Name | Date of meeting(s) |
|------|--------------------|
| CDC  | 18/09/2023         |

#### 14. Whether institutional data submitted to AISHE

| Year    | Date of Submission |
|---------|--------------------|
| 2022-23 | 16/02/2024         |

#### 15. Multidisciplinary / interdisciplinary

The institute is prepared to offer interdisciplinary courses, as per the perspective plan of the university. In order to give students a wider exposure at the college level, invited lectures and special talks are organized by departments which give students a deeper understanding of other disciplines. Apart from that, the institute offers short term courses. The college offers an opportunity to all students to choose any course in order to develop their multidisciplinary/ interdisciplinary knowledge. In tandem with the NEP, our faculty is engaged with the university in the framing of syllabi of new interdisciplinary courses as approved by the University for Implementation.

#### **16.Academic bank of credits (ABC):**

According the letter of Maharashtra State Heigher Education and Technical Board (Letter No. MISC-2022/C.R.-220/UE-3 DATED 30TH Nov. 2022), College has appointed Nodal Officer of Academic Bank Credit section in the current academic session 2022-2023. According the instruction of State Heigher Education Board and our mother University we helped to the our college students to registered in Academic Bank Credit (ABC) plateform through the online mode of DigiLocker. Maximum students out of of current academic year (2022-2023) were successfuly registered on this plateform. Remaining students have some issue of not linking Adhaar Card with Mobile No. We soon resolve the problem and will sucessfully registered them as soon as possible.

#### 17.Skill development:

1. Project Name: Apiculture-conservation of honeybees: To understand apiculture techniques and economic importance of honey bees and modern bee keeping methods and to improve the student's skill by

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giving practical based hand on experience which will give them confidence for their own apiculture entrepreneurship. The objectives of this project are to create awareness in students about apiculture techniques, equipment and history of bee keeping and hive management, to improve the production of honey by adding artificial hives for hands on practical for students to improve the pollination of plants and crops besides our college premises, to let more and more students/farmers/ parents know about this small creature named honey bee which is an important part ecologically. The outcome of the course are the introduction of the artificial bee hives in the area (Kalmeshwar), increased pollination of fruits and vegetable plantations in the fields nearby, students will be aware of Apiculture techniques / equipment's, the students can motivate the farmers in the area to start Apiculture. The Job and Business opportunities: This short term would definitely give confidence to the students to start their own apiary. Whereas they can set up their own business on apiculture and sell honey and hive products with package and production units. They can generate employment through their business. 2. Project Name: Home based nursery business Home based nursery business: The world today has a great sense of fashion in everyday work. To make it clear, people love to live a life in a beautiful surrounding and one of the best way to make better surroundings is with the help of flowers and plants. Gardeners are now showing more interest in finding new varieties of plants. Unique plants are grown even for social status. The desire for decorations at home till office, has created a state of necessity to include the ornamental plant selling in the business world. Scope of nursery business Nursery business is very profitable and demanding. Apart from planning growth, business should also focus on the need for the produced plants in the market. The quality of the present lifestyle acts as a key to this business. The scope seems to grow wider day by day due to innovative ideas of people. Area of is not restricted to few. About nursery course Study this course and start your own small scale nursery business. Start at home, and grow as big (or small) as you wish. Start a small business at home. Learn to propagate and grow plants for sale. This course will developed and setting up small part time businesses, selling plants through markets, to landscapers, or retailers.

### 18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

With the objectives regarding education, health, environment, etc., we conduct several cultural programmes in order to promote Indian language system and to inculcate love for Indian culture. We celebrate days like International Yoga Day, National Science day,

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Marathi Bhasha Din, commemorative days of various eminent and great personalities like Chhatrapati Shivaji Maharaj Jayanti, Subhash Chandra Bose Jayanti, Gandhi Jayanti, etc. Many students have participated in university/ state/ national level cultural events showcasing the rich cultural heritage of this nation.

#### 19. Focus on Outcome based education (OBE): Focus on Outcome based education (OBE):

Focus on Outcome based education (OBE): Outcome-Based EducationS (OBE) used in HEI is accepted in a variety of colleges as per the quality of progression. Ours being a rural based college OBE is considered actually a sluggish step forward to improve the excellence of higher education as we render purely basic science courses to the students and syllabus designed by the university. Right now we are focusing on the OBE which surely bring in the change in education sector widely earlier we believed in the traditional system of education which focused on teachers delivering lectures on subjects which can be called 'inputs' and then we presumed that learning has occurred which we checked through exams, tests and assignments. Now we very well understand that OBE deals with "How much capability of the students have to explore their creativity and plan their career". There is clarity on what is to be achieved and that achievement (outcome) is pre-determined. OBE demands scheduling, a far typical/ usual and 'planned tasks'. We attempt to let students understand and actively engaged in the learning process and demonstrate his/her skills through more challenging tasks and higher order of thinking so that we can understand and assess students to achieve their goals. Hence improve on program benefits. This potentially will improves, the knowledge and disciplinary actions. They provide a framework for acquiring learning of new knowledge our approach deals with (POs) Program Outcomes: Enhanced discipline through management skills, Critical thinking and problem solving Teamwork, communication skills, Career and leadership readiness, Self-awareness and emotional intelligence.

#### **20.Distance education/online education:**

Our college offers courses in the conventional mode only as sanctioned by the RTM Nagpur University. However, we are planning to start distance education/online education by collaborating with open universities like YCMOU, IGNOU, etc. IGNOU has already identified our college as a center to conduct various practical classes in different subjects.

#### **Extended Profile**

#### 1.Programme

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| 1.1  | 03                                  |  |
|--|-------------------------------------|--|
| Number of courses offered by the institution across during the year  | all programs                        |  |
| File Description   | Documents                           |  |
| Data Template  | <u>View File</u>                    |  |
| 2.Student  |                                     |  |
| 2.1  | 311                                 |  |
| Number of students during the year   |                                     |  |
| File Description   | Documents                           |  |
| Data Template  | <u>View File</u>                    |  |
| 2.2  | 164                                 |  |
| Number of seats earmarked for reserved category a Govt. rule during the year   | s per GOI/ State                    |  |
| File Description   | Documents                           |  |
| Data Template  | <u>View File</u>                    |  |
|  |                                     |  |
| 2.3  | 111                                 |  |
| 2.3  Number of outgoing/ final year students during the  |                                     |  |
|  |                                     |  |
| Number of outgoing/ final year students during the   | year                                |  |
| Number of outgoing/ final year students during the  File Description   | year Documents                      |  |
| Number of outgoing/ final year students during the  File Description  Data Template  | year Documents                      |  |
| Number of outgoing/ final year students during the  File Description  Data Template  3.Academic  | year  Documents  View File          |  |
| Number of outgoing/ final year students during the  File Description  Data Template  3.Academic  3.1   | year  Documents  View File          |  |
| Number of outgoing/ final year students during the  File Description  Data Template  3.Academic  3.1  Number of full time teachers during the year                   | year  Documents  View File  15      |  |
| Number of outgoing/ final year students during the  File Description  Data Template  3.Academic  3.1  Number of full time teachers during the year  File Description | Documents  View File  15  Documents |  |

| File Description                                   | Documents        |
|--|------------------|
| Data Template                                      | <u>View File</u> |
| 4.Institution                                      |                  |
| 4.1  | 07               |
| Total number of Classrooms and Seminar halls       |                  |
| 4.2  | 17.63            |
| Total expenditure excluding salary during the year | (INR in lakhs)   |
| 4.3  | 22               |
| Total number of computers on campus for academi    | c 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

Regarding the curriculum, there is no provision of revision of syllabus at college level but members of board of study in various subjects and members of faculty of Science, R.T.M .University, Nagpur contribute in revision and updating of syllabi at university level. In the beginning, university prepares academic calendar and it is mandatory to all colleges, that specifies the duration, semester and about the examination. In the beginning of session, time table and action plan for effective curriculum was developed and all the heads of the departments chalk out an academic teaching plan includes lecture hours, topic to be taught and other departmental activities conducted during academic year.

The institution has well infrastructure, curricular facilities , laboratories, library and classrooms facility. The internal assessment is carried out through unit test, student seminars, group discussion and assignment. During session, activities such as Industrial visit, Field visit, Horticultural training, Students group discussion, Students seminars, Medicinal plantation were organized for students. College also conducted certificate courses to acquire skilled and knowledge so that student can start their own entrepreneurship. Parent teacher meats were organized during session

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to assess performance of mentee and provide assistance to tackle their problems encountered during learning. At the end of semester, institutional head conducts meeting and take review about the allotted and completed curriculum, activities taken and some suggestion are given to staff members for further improvement.

| File Description                    | Documents  |
|-------------------------------------|--|
| Upload relevant supporting document | <u>View File</u>                                     |
| Link for Additional information     | https://www.kzsscollege.edu.in/programme-<br>course/ |

- 1.1.2 The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)
- 1. As per academic calendar prepared by R.T.M. Nagpur university, Nagpur. The college has followed the guideline about admission, examination and vacation. The college academic calendar has been displayed on notice board,

for students. The college has adopted a method of assessing the academic performance of students on a continuous basis.

- 2 . Time table -The college time table regarding theory and practicals has been designed by time table committee of college IQAC.
- 3. 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.
- 4. Internal Examination- During the session the internal examination, the unit test, common test, test practical exam were conducted.
- 5. The schedule of university theory and practicals examination is prepared by university. As per the schedule regular even semester examination were conducted by university and odd semester examination at college during the session.
- 6. Students feedback- At the end of academic session students feedback on curriculumand institution is collected and analyzed.

7. Activities Organized - Under the NSS unit of college various activities like yoga day, plantation, Swachchhataabhiyan, NSS special camp, blood donation camp ,voter awareness programs and anniversaries of various great leaders were organized

•

| File Description                     | Documents  |
|--------------------------------------|--|
| Upload relevant supporting documents | <u>View File</u>   |
| Link for Additional information      | http://www.kzsscollege.edu.in/wp-content/upl<br>oads/2023/01/Academic-Calender-2022-23.pdf |

1.1.3 - Teachers of the Institution participate in A. All 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<br>teachers in various<br>bodies/activities provided as a<br>response to the metric | <u>View File</u> |
| Any additional information  | No File Uploaded |

### 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

03

| File Description  | Documents        |
|---|------------------|
| Any additional information                              | No File Uploaded |
| Minutes of relevant Academic<br>Council/ BOS meetings   | No File Uploaded |
| Institutional data in prescribed format (Data Template) | <u>View File</u> |

### 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)

04

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

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

195

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

195

| File Description  | Documents        |
|---|------------------|
| Any additional information  | <u>View File</u> |
| Details of the students enrolled in<br>Subjects related to<br>certificate/Add-on programs | <u>View File</u> |

#### 1.3 - Curriculum Enrichment

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

Women Cell organized one day workshop on Women Health Management on dated 17 Dec 2022 through this various health problems related to

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women like gyanic problems and other were discussed. The International Women Day was celebrated on dated 8 March 2023 on this occasion the elocution competition were organized for girls students on the topic "mother and daughter relation"

The international Yoga day was initiated by prime minister of India, it was organized in the college campus on 21/06/2022. NSS Students were trained with different yogaashanas by the trainer and guided the importance of Yoga to keep our health in a good manner. The Azadika Amrtut mohts av was celebrated with different program like rally and other programme conducted.

Under NSS Unit, organized a SwachyataPakwada (15 Sep-2Oct2022) on the occasion of Gandhi Jayanti through this programme various activities have done like Sanitization and hygiene, waste management, plastic muktasankalp, In order to sensitized students about the environment and sustainability issues were several academic activities like Plantation, Hand wash day,NSS camp (3-9Feb2023), Blood donation camp( 19.3.23) were organized. Also under the department of physics carried out two day workshop for girls student on smart girls training(13 & 14Oct2022). The department of chemistry conducted two days workshop collaboration Universal Biotech Labortary and Iris Agro Farms Kalmeshwar, on the topics 'soil and water analysis' for the students (11 & 12 Nov2022).

| 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 | <u>View File</u> |

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

00

| File Description   | Documents        |
|--|------------------|
| Any additional information   | No File Uploaded |
| Programme / Curriculum/<br>Syllabus of the courses   | No File Uploaded |
| Minutes of the Boards of Studies/<br>Academic Council meetings with<br>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<br>experiential learning through<br>project work/field<br>work/internship (Data Template) | No File Uploaded |

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

00

| File Description  | Documents        |
|---|------------------|
| Any additional information  | No File Uploaded |
| List of programmes and number<br>of students undertaking project<br>work/field work//internships<br>(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

B. Any 3 of the above

| File Description   | Documents        |
|--|------------------|
| URL for stakeholder feedback report  | <u>View File</u> |
| Action taken report of the<br>Institution on feedback report as<br>stated in the minutes of the<br>Governing Council, Syndicate,<br>Board of Management (Upload) | <u>View File</u> |
| Any additional information(Upload)   | No File Uploaded |

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### 1.4.2 - Feedback process of the Institution may A. Feedback collected, analyzed be classified as follows

and action taken and feedback available on website

| File Description                  | Documents                                |
|-----------------------------------|--|
| Upload any additional information | <u>View File</u>                         |
| URL for feedback report           | https://www.kzsscollege.edu.in/feedback/ |

#### 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

360

| File Description                        | Documents        |
|---|------------------|
| Any additional information              | <u>View File</u> |
| Institutional data in prescribed format | <u>View File</u> |

### 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

143

| File Description  | Documents        |
|---|------------------|
| Any additional information                                    | No File Uploaded |
| Number of seats filled against seats reserved (Data Template) | <u>View File</u> |

### 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

At KZS Science college students are categorized initially viz. slow learners/ weak students/ Advanced learners. Every student is bagged with a teacher Mentor who guides through every path to gain

knowledge. Extra coaching for the difficult subjects is arranged weekly. Weak students attend and clear their doubts accordingly. We have inculcated since 2017 onwards. 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 |
|--------------------|--------------------|
| 311                | 15                 |

| File Description           | Documents        |
|----------------------------|------------------|
| Any additional information | <u>View File</u> |

#### 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.

| 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, and 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. | <u>View File</u> |
| Circulars pertaining to assigning mentors to mentees                | <u>View File</u> |
| mentor/mentee ratio   | <u>View File</u> |

### 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) | <u>View File</u> |
| 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) | <u>View File</u> |

# 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

19

| File Description   | Documents        |
|--|------------------|
| Any additional information   | No File Uploaded |
| List of Teachers including their PAN, designation, dept. and experience details(Data Template) | <u>View File</u> |

#### 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.

An apparent and healthy 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. 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

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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.

| 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.

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

| File Description  | Documents   |
|---|---|
| Upload any additional information                       | No File Uploaded  |
| Paste link for Additional information                   | https://www.kzsscollege.edu.in/wp-<br>content/uploads/2023/09/PO-CO-and-PSO.pdf |
| Upload COs for all courses<br>(exemplars from Glossary) | No File Uploaded  |

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

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. 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. 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 .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

| File Description                      | Documents   |
|---------------------------------------|---|
| Upload any additional information     | No File Uploaded  |
| Paste link for Additional information | https://www.kzsscollege.edu.in/wp-<br>content/uploads/2023/09/PO-CO-and-PSO.pdf |

### 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

26

| File Description  | Documents  |
|---|--|
| Upload list of Programmes and<br>number of students passed and<br>appeared in the final year<br>examination (Data Template) | <u>View File</u>   |
| Upload any additional information   | No File Uploaded   |
| Paste link for the annual report  | https://www.kzsscollege.edu.in/wp-content/up<br>loads/2023/10/Certified-Report-indicating-pa<br>ss-percentage-of-students-of-Final-<br>year-23.pdf |

### 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)

https://www.kzsscollege.edu.in/wpcontent/uploads/2023/08/SSS-2022-23.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<br>letters for sponsored research<br>projects /endowments | No File Uploaded |
| List of endowments / projects<br>with details of grants(Data<br>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

03

| File Description   | Documents        |
|--|------------------|
| Report of the event  | <u>View File</u> |
| Any additional information   | No File Uploaded |
| List of workshops/seminars<br>during last 5 years (Data<br>Template) | <u>View File</u> |

#### 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

4

| File Description  | Documents        |
|---|------------------|
| Any additional information  | No File Uploaded |
| List of research papers by title,<br>author, department, name and<br>year of publication (Data<br>Template) | <u>View File</u> |

# 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

04

| File Description  | Documents        |
|---|------------------|
| Any additional information  | No File Uploaded |
| List books and chapters edited volumes/ books published (Data Template) | <u>View File</u> |

#### 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 College is situated particularly in rural area. NSS unit has worked to construct public toilets at adopted Waroda village. NSS unit organizes a residential seven day camp in nearby adopted

village and several activities were carried out by NSS volunteers addressing social issues which include cleanliness, tree plantation ,water conservation, Shramdan, Social interaction, Eradication of superstition, Environmental awareness, Women empowerment, National Integrity, Aids awareness, Blood donation camp, health check-up camp, farmers meet, awareness about farmer's suicide, tree plantation, Road safety awareness, Ekta daud for health, Save fuel program, Swachhta Abhiyan, National equality awareness, Voters awareness, Samvidhan Divas, National girl child day, Yoga day, etc extension activities were carried out in the neighborhood community to sensitizing students etc. social issues, for their holistic development, and impact thereof. It aims at developing qualities of leadership, patriotism, maintaining discipline, character building, spirit of adventure and the ideal of self service. All these mentioned activities have positive impact on the students and it developed student community relationship, leadership skill and selfconfidence of students. It also helped in cultivating hidden personality of students and created awareness among students.

All these mentioned activities have positive impact on the students and it developed student - community relationship, leadership skill and self-confidence of students. It also helped in cultivating hidden personality of students and created awareness among students.

| File Description                      | Documents   |
|---------------------------------------|---|
| Paste link for additional information | https://www.kzsscollege.edu.in/wp-content/up<br>loads/2023/07/Extension-and-outreach-<br>prog-2022-23.pdf |
| Upload any additional information     | <u>View File</u>  |

- 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

Nil

| File Description  | Documents        |
|---|------------------|
| Any additional information  | No File Uploaded |
| 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  | <u>View File</u> |
| Any additional information  | No File Uploaded |
| Number of extension and<br>outreach Programmes conducted<br>with industry, community etc for<br>the last year (Data Template) | <u>View File</u> |

- 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

552

| 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) | <u>View File</u> |

#### 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

03

| File Description  | Documents        |
|---|------------------|
| e-copies of linkage related<br>Document   | <u>View File</u> |
| Details of linkages with institutions/industries for internship (Data Template) | <u>View File</u> |
| 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

01

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

#### 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.

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. Total area of 4005 sq ft is occupied by these six classrooms. All classrooms are in the range of wi-fi facility and rooms 1 to 5 are with DLP facility. We have well furnished-specious five laboratories with proper air and light circulation and, each

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having room more than sufficient of student's intake with well seating arrangement in the college building. Out of these, three laboratories (Physics - 1150 sq ft, Chemistry - 1250 sq ft and Computer Science - 500 sq ft) are at the ground floor and two laboratories (Botany - 1000 sq ft and Zoology - 1000 sq ft) are at the first floor. The total area of 4900 sq ft is occupied by the laboratories. All laboratories are well equipped with 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 21computers 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     | <u>View File</u>  |
| Paste link for additional information | http://www.kzsscollege.edu.in/wp-content/upl<br>oads/2023/02/Infrastructure-up-<br>to-2021-22docx.pdf |

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

The seminar hall cum auditorium (2000 sq ft) and corridor (1800 sq ft) are available to conduct the cultural activities.

The specious Indoor Stadium (879 sq m ~ 9500 sq ft) including bat-Minton court, volley ball court is available. Huge playground (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 Carom 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 | https://www.kzsscollege.edu.in/wp-content/up<br>loads/2023/08/4.1.2-Facilities-Cultural-and-<br>Playground-Sports-Games-Gymnasium.docx.pdf |

#### 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

06

| File Description   | Documents   |
|--|---|
| Upload any additional information  | <u>View File</u>  |
| Paste link for additional information  | https://www.kzsscollege.edu.in/wp-content/uploads/2023/08/4.1.3.1-Classrooms-and-seminar-halls-with-ICT-facilities.docx.pdf |
| Upload Number of classrooms<br>and seminar halls with ICT<br>enabled facilities (Data<br>Template) | <u>View File</u>  |

# 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)

00

| File Description  | Documents        |
|---|------------------|
| Upload any additional information   | No File Uploaded |
| Upload audited utilization statements   | No File Uploaded |
| Upload Details of budget<br>allocation, excluding salary<br>during the year (Data Template) | No File Uploaded |

### 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 is partially automated using Integrated Library Management (LIB-Man) 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, Barcodes. 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. 20,000/-

| File Description                      | Documents   |
|---------------------------------------|---|
| Upload any additional information     | <u>View File</u>  |
| Paste link for Additional Information | https://www.kzsscollege.edu.in/wp-content/uploads/2023/08/4.2.1-Library-Management-System-ILMS-with-certificates-2022-23.docx.pdf |

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

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

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

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#### 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)

#### 0.38

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

## 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

#### 27

| File Description                                  | Documents        |
|---|------------------|
| Any additional information                        | <u>View File</u> |
| Details of library usage by teachers and students | <u>View File</u> |

#### 4.3 - IT Infrastructure

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

In past, up to year 2019-2020, wi-fi and LAN, both were working with 20 mbps. Now, 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 of In Cable service are in use. Both, LAN and wi-fi facilities are available for the departments / laboratories, 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 nonteaching 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.

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-onecomputers are available for the student's academic purpose.

| File Description                      | Documents   |
|---------------------------------------|---|
| Upload any additional information     | <u>View File</u>  |
| Paste link for additional information | http://www.kzsscollege.edu.in/wp-content/upl<br>oads/2023/02/4.3.3-Internet-Bill.docx.pdf |

### 4.3.2 - Number of Computers

48

| File Description                  | Documents        |
|-----------------------------------|------------------|
| Upload any additional information | <u>View File</u> |
| Student – computer ratio          | <u>View File</u> |

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

| File Description   | Documents        |
|--|------------------|
| Upload any additional<br>Information                                     | No File Uploaded |
| Details of available bandwidth of internet connection in the Institution | <u>View File</u> |

### 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)

1.48

| File Description   | Documents        |
|--|------------------|
| Upload any additional information  | No File Uploaded |
| Audited statements of accounts.  | <u>View File</u> |
| Details about assigned budget<br>and expenditure on physical<br>facilities and academic support<br>facilities (Data Templates) | <u>View File</u> |

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.

#### PHYSICAL Facility

Four solar street lamps on the playground and hygienic drinking water / washroom water are available. One electrical technician has hired on AMC basis. The high-power generator of 25 kVA (Kirloskar make) under the company service is ready to run the all-campus work in case of power off. One plumber/technician is hired on AMC basis for the water circulating system. The annual white wash of the buildings has been carried by calling the local painters on hire basis.

The Indoor Stadium, gymnasium, playground, seminar hall and all IT are under maintenance by calling respective service mans.

#### ACADEMIC Facility

We call the service mans from the scientific companies to repair the laboratory instruments. Practical batches are prepared so as to give hands on experience to all the students. Regular dusting and cleaning are done by using vacuum cleaners. Pest control is carried out so as to increase the life of valuables resources of library. The LMS is available on AMC basis. Software/hardware technicians are hired on annual contract basis (AMC) to maintain, repair and extend the computers, DLPs and Internet BB/wi-fi service. Daily cleaning of six classrooms has done by class four staff of college.

| File Description                      | Documents        |
|---------------------------------------|------------------|
| Upload any additional information     | <u>View File</u> |
| 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

#### 164

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

# 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<br>scholarships and free ships<br>institution / non- government<br>agencies in last 5 years (Date<br>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  | <u>View File</u> |
| Details of capability building and skills enhancement initiatives (Data Template) | <u>View File</u> |

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

17

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

17

| File Description  | Documents        |
|---|------------------|
| Any additional information  | <u>View File</u> |
| Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template) | <u>View File</u> |

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. Any 3 of the above

| File Description   | Documents        |
|--|------------------|
| Minutes of the meetings of<br>student redressal committee,<br>prevention of sexual harassment<br>committee and Anti Ragging<br>committee | <u>View File</u> |
| Upload any additional information  | No File Uploaded |
| 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

06

| File Description                                   | Documents        |
|--|------------------|
| Upload supporting data for student/alumni          | <u>View File</u> |
| Any additional information                         | No File Uploaded |
| Details of student progression to higher education | <u>View File</u> |

## 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

Page 37/118 23-08-2024 11:23:45

### examinations) during the year

06

| File Description                    | Documents        |
|-------------------------------------|------------------|
| Upload supporting data for the same | <u>View File</u> |
| Any additional information          | <u>View File</u> |

### 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.

04

| File Description   | Documents        |
|--|------------------|
| e-copies of award letters and certificates   | No File Uploaded |
| Any additional information   | <u>View File</u> |
| Number of awards/medals for<br>outstanding performance in<br>sports/cultural activities at univer<br>sity/state/national/international<br>level (During the year) (Data<br>Template) | <u>View File</u> |

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

Student Council and representation of students for academic session 2022 - 2023 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
- iv) 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 2022-2023

| File Description                      | Documents        |
|---------------------------------------|------------------|
| Paste link for additional information | Nil              |
| Upload any additional information     | <u>View File</u> |

- 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

278

| File Description   | Documents        |
|--|------------------|
| Report of the event  | <u>View File</u> |
| Upload any additional information  | No File Uploaded |
| 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) | <u>View File</u> |

### 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

Student Alumni Meet, was organized on 23-03-2023 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 and exstudents were present.

One of thealumni Mr. Makode give an idea about how to study during exam period and give valuable suggestion for improving the fund of alumni. Devghare, Prasanna Sadan, Samiksha Katgube and vishal kharde have promised to help for the development ofcollege. One of the alumni suggested that students face difficulty in coming from Bramhni Fata and go back .Bus timing are not suitable for coming and going home to students from the college so he suggested that we should requestDepo Manager, saoner Aagar and Traffic Controller, Nagpur for the extra bus from Mohpa to Kalmeshwar.

The alumni, Mr. Ajay Khade suggested that after completion of B.Sc. Degree I Joined in a private factory (Ran Chemicals, MIDC Kalmeshwar). Then as guided by Charjan Sir I joined for B.Ed.Course. Today I am working as a High school Teacher at Shri Prabodhankar Thakare Vidalaya Wadi, Nagpur. So for this I am very much thankful to Principal, all teaching staff of the college.

| File Description                      | Documents  |
|---------------------------------------|--|
| Paste link for additional information | https://www.kzsscollege.edu.in/wp-content/up<br>loads/2023/07/Alumni-activity-22-23.docx.pdf |
| Upload any additional information     | No File Uploaded   |

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

| File Description                  | Documents        |
|-----------------------------------|------------------|
| Upload any additional information | <u>View File</u> |

### 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 30 years of its existence.

### VISION....

To be leader in fulfilling the contemporary need of the society by providing quality centric higher education with holistic development.

### MISSION....

To develop personality by imparting knowledge through education in systematic means to socio-economically weaker students.

### OBJECTIVES....

The college desires to continue quality education which will make our students remarkable citizens of the country with cherishable values inculcated in them. Promoting a higher version of generations with qualities deep rooted within them. The college is constantly working hard on these objectives as their mission to produce an employable, desirable, and amicable and a responsible youth for the

nation.

| File Description                      | Documents  |
|---------------------------------------|--|
| Paste link for additional information | https://www.kzsscollege.edu.in/vision-and-<br>mission-2/ |
| Upload any additional information     | <u>View File</u>   |

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

Dr. Bhabha Vidnyan Lokshikshan Sanstha and K. Z. S. Science College Bramhani - Kalmeshwar organized Science essay competition for high school students from various schools of Kalmeshwar in the college on 10-12-2022. The objective of the essay competition is to develop the interest of students in the science and to think about the scientific approach on various issues. The students have to write essay on any one of the following subjects

- Role of Indian Research Institutes in Modern India
- Climate change and Indian agriculture issues and solutions
- Curriculum and its scopes changes with time in modern india.

Total 221 students from various schools participated in this competition and two students won consolationsprizes. 1st prize of Rs. 2000 and a certificate was given to Rinku K.Waghmare and 2ndprize of Rs. 1000 and a certificate was given to Trusha K. Khadagi and 3rd prize of Rs. 1000 and a certificate was given to Janhavi A. Gawali .

| File Description                      | Documents        |
|---------------------------------------|------------------|
| Paste link for additional information | Nil              |
| Upload any additional information     | <u>View File</u> |

### 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

### National Science Day Program

Every year National Science Day at our college was organized by the department of physics with IQAC collaboration, on 28th Feb. Thecelebration was inaugurated by the president of college development committee, Mr. Prabhakarji Shrikhande. In the first day session of program, on 27th Feb., the various scientific concepts and interdisciplinary concepts were presented by the 22 college students from the different streams, using the power point presentation. The program was presided over by the principal of college, Dr. Anand Tikhe in the presence of guests of honour, Mr. Mahadeorao Ikhar and Mr. ShankarraoBobade. Students were benefited by very fruitful quidance of honourable chief quest, professor Ajay Sharma, Nabira Science College, Katol. He corelated the scientific concepts in physics with Yogic Dhyan Sadhana and indeed, the students were enjoyed it. The selected students having hand in presentation were motivated with special prizes and honoured by the chief guests and other guests of honours. The prize distribution was managed and announced by the prof. Vikas Borkar. The six students stood with descending ranks. Their names and respective topics were, Miss Shrunkhala Kothekar - The Role of Mathematics In The Modern Technology, Miss Santoshi Pawar - The Journey of Water, Miss Vaishnavi Dambhare - Physics In The Medical Sciences, Miss Shruti Petkar - Plant Breeding, Miss Anjali Thakre - The Climate Change and Mr. ChaitannyaTijare - The Generation of Computer. All other student participants were certified by the certificate of participation.

| File Description                                       | Documents  |
|--|--|
| Strategic Plan and deployment documents on the website | <u>View File</u>   |
| Paste link for additional information                  | https://www.kzsscollege.edu.in/wp-content/up<br>loads/2023/09/Strategic-Plan-21-26.pdf |
| Upload any additional information                      | <u>View File</u>   |

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.

### Management:

The chief governing body of the college Dr. Bhabha Vidynan Lokshnan Sanstha, Kalmeshwar (BVLS) to be referred as management.

### The Principal:

Principal is empowered by the management to lead the college towards the achievement of the vision and mission of the college.

### College development committee :

College Development Committee sanctions annual budget and statements of financial issues, discuss the academic progress of institution, augmentation of infrastructure.

### Internal Quality Assurance cell:

There is an internal Quality Assurance cell which has been working since its establishment in the academic year 2014.

### 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. Submit the annual budget to the principal.

### Teaching faculty:

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

### 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, and four peons

| File Description                              | Documents                                  |
|---|--|
| Paste link for additional information         | Nil  |
| Link to Organogram of the Institution webpage | https://www.kzsscollege.edu.in/about-us-2/ |
| Upload any additional information             | <u>View File</u>                           |

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

### D. Any 1 of the above

| File Description  | Documents        |
|---|------------------|
| ERP (Enterprise Resource Planning)Document  | No File Uploaded |
| Screen shots of user interfaces   | <u>View File</u> |
| Any additional information  | No File Uploaded |
| Details of implementation of e-<br>governance in areas of operation,<br>Administration etc (Data<br>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 Premiumis deducted monthly from the salary of employee.
- 2. Madhuganga Nagri Pat Sahakari Santha Mohpa offers 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 nonrefundable GPF loans are available to the needy employees on demand.

- 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).
- 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.

| File Description                      | Documents        |
|---------------------------------------|------------------|
| Paste link for additional information | Nil              |
| Upload any additional information     | <u>View File</u> |

## 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

07

| File Description   | Documents        |
|--|------------------|
| Upload any additional information  | <u>View File</u> |
| Details of teachers provided with<br>financial support to attend<br>conference, workshops etc during<br>the year (Data Template) | <u>View File</u> |

## 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

02

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

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

09

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

### 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
- 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 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.

| 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

At the beginning of the academic year the Principal convenes a CDC meeting and present budget which is sanctioned and the expenses are done accordingly in the 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. 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 deputes a team of internal auditors that verify voucher of the transactions, scholarship transaction and any other financial matters foreach 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 audit was done for the financial year 2022-23.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     | <u>View File</u> |

## 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)

1.97

| File Description   | Documents        |
|--|------------------|
| Annual statements of accounts  | <u>View File</u> |
| Any additional information   | No File Uploaded |
| Details of Funds / Grants<br>received from of the non-<br>government bodies, individuals,<br>Philanthropers during the year<br>(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, 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.

Laboratory Fees: It is used for current lab expenditures.

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

Sports Fees: 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 should have the responsibility of optimum utilization of the available instruments, and chemicals.

- Regular lab attendants are appointed in the science labs.
- Teachers are asked to attain to faculty development programme

| File Description                      | Documents        |
|---------------------------------------|------------------|
| Paste link for additional information | Nil              |
| Upload any additional information     | <u>View File</u> |

### 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

### Practice 1:

Department of Chemistry , K. Z. S. Science college Bramhni -Kalmeshwar has organized two days workshop in collaboration with Universal Biotech Laboratory and Iris Agro Farms Kalmeshwar

on 11th and 12th November 2022 on the topic "Soil Health Management and Estimate the Requirement of Organic Impact on Crop Production" on 11th November 2022 Mr. Sunil M. Konde (Managing Director, Universal Biotech laboratory and Iris Agro Farms Kalmeshwar) delivered the guest lecturer and guided the students and on 12th November 2022 field visit and training of soil testing was done. The presidential speech of honorable Mr. P. B. Dangore, secreatory (Dr. Bhabha Vidnyan Lokshikshan Sanstha kalmeshwar), Principal Dr. A. K. Tikhe was present during the session. Dr. A. P. Ganorkar H.O. D. of Chemistry and IQAC coordinator, Dr. R. H. Gupta, Convener of the workshop. The vote of thanks was delivered by Dr. A. R. Bijwe.

### Practice 2:

Career Guidance program was organized by Computer department of K. Z. S Science college Bramhni on dated 5/11/2022 at 10.30 a.m. on the topic on "Opportunity in IT Sector" by Mr. Gunvant Chimote (
Technical Lead in Microsoft Technology). Introduction of Program was given by Dr. V. S. Borkar (Head of Dept. of Library).
Presidential Speech was given by Dr. A. P. Ganorkar (Head of Dept. of Chemistry) The program anchor by Miss V. M. Takarkhede and Miss M. A. Wankhede gave vote of Thanks

| File Description                      | Documents        |
|---------------------------------------|------------------|
| Paste link for additional information | Nil              |
| Upload any additional information     | <u>View File</u> |

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:

The Faculty members use audio-visual mode, LCD, projector OHP, Laptop, ICT as teaching aids. The Institute encourages the Faculties to participate and present papers in seminar, conferences and workshops. The Department organizes Student Seminars, field visits including Industrial visits, Educational tours, Guest Lectures etc.

In this session two laboratories have been renovated 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.

### 2. Evaluation of Students through Examinations:

As the College is affiliated to the R. T. M. Nagpur University, primarily, the responsibility of university body is to prepare the time table for all the examinations conducted by the university, allotment of the examination centers, appointment of the officers and sub-ordinate staff for conducting theory, practical and internal examination and appointment of the examiners, deciding the evaluation centers and declaration of results in a stipulated time. Student's performance can be evaluated through Examinations. Each departments conduct unit tests, surprise tests, assignments. 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     | <u>View File</u> |

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                                    | https://www.kzsscollege.edu.in/wp-content/up<br>loads/2023/06/IQAC-Meeting-and-Action-Taken-<br>Report-2022-23.pdf |
| Upload e-copies of the accreditations and certifications                           | <u>View File</u>   |
| Upload any additional information  | <u>View File</u>   |
| 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

Our college has taken various initiatives and activities to give equal status & opportunities to the students. No discrimination is done on the basis of religion, Caste, Gender, Disability in admission process. Various committees such as Sexual Harassment Prevention Committee, Student monitoring committee and Anti Ragging Committee are actively working and monitoring the day today activities.

### 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. The firefighting equipment is kept at college corridor.

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.

### 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.

#### c.Common Rooms:

- 1. The Institute has separate girl's common room,
- 2. Separate washrooms for boys and girls are there in the college.

| File Description   | Documents   |
|--|---|
| Annual gender sensitization action plan  | https://www.kzsscollege.edu.in/wp-content/up<br>loads/2023/08/Gender-Equity-Sensitization-<br>Action-Plan.pdf |
| 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 | https://www.kzsscollege.edu.in/wp-content/up<br>loads/2023/08/Specific-facilities-provided-<br>for-womans.pdf |

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

C. Any 2 of the above

| File Description               | Documents        |
|--------------------------------|------------------|
| Geo tagged Photographs         | <u>View File</u> |
| 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

To maintain an eco-friendly campus is the prime priority of our college.

.On the college campus, dust bin placed in strategic locations for everyone to use. The waste is handled in accordance with its type. The college has the practice to use one-sided printed paper for internal communication and use reused papers in the college..

### Solid waste management:

For further solid waste treatment, the Gram Panchyayat receives all biodegradable solid waste produced on campus, including the majority of waste papers.

Decomposed plant material collected from garden and campus area were stored for later use as a source of bio fertilizer..

### 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:

The e-waste generated from hardware which cannot be reused or recycled is being disposed of centrally through vendors.

•

| File Description  | Documents        |
|---|------------------|
| Relevant documents like agreements/MoUs with Government and other approved agencies | <u>View File</u> |
| Geo tagged photographs of the facilities  | Nil              |
| Any other relevant information  | <u>View File</u> |

# 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

B. Any 3 of the above

### campus

| File Description                                  | Documents        |
|---|------------------|
| Geo tagged photographs / videos of the facilities | <u>View File</u> |
| 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 | <u>View File</u> |
| 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 | <u>View File</u> |
| Certification by the auditing agency                                      | No File Uploaded |
| Certificates of the awards received                                       | No File Uploaded |
| Any other relevant information  | <u>View File</u> |

- 7.1.7 The Institution has disabled-friendly, 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
- D. Any 1 of the above

| File Description   | Documents        |
|--|------------------|
| Geo tagged photographs / videos of the facilities                        | <u>View File</u> |
| 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).

College takes efforts in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities. College is aiming at providing affordable and quality education to all layers of society. 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.

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, 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. And Minorities' right day celebrated on 18/12/2022.

| File Description   | Documents        |
|--|------------------|
| Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution) | <u>View File</u> |
| 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 organized Constitution Day Celebration on 26-11-2022 at college premises. The Objective of the program is to inculcate constitutional obligations among students, to create awareness about constitution, to sensitize the students about importance of constitution day.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.

•

| File Description   | Documents        |
|--|------------------|
| Details of activities that inculcate values; necessary to render students in to responsible citizens | <u>View File</u> |
| 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 ethics programmes for students, teachers, administrators and other staff

4. Annual awareness programmes on Code of Conduct are organized

A. All of the above

| File Description   | Documents        |
|--|------------------|
| Code of ethics policy document   | <u>View File</u> |
| 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 | <u>View File</u> |
| Any other relevant information   | No File Uploaded |

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

College is committed to promote ethics and values amongst students and faculty. To encourage the same, the college celebrates and organizes national and international commemorative days, events and festivals. Celebration of cultural and constitutional festivals is integral part of college's co-curricular activities. Throughout session, different days are celebrated by students with guidance of teachers which help them to know about different cultures and to cognitively imagine India as a nation.

• NATIONAL SCIENCE DAY was conducted by department of Physics at our college on 28 February 2022.

Women's day celebration on 08/03/2023 by women cell.

International Yoga Day On 21st June, our college celebrates this day by practicing Yoga.

- Teachers and management, students of k. Z.S College celebrated India's 75 Independence Day on the morning of 15th August.
- Student Council celebrates September 5th on teacher days to remember the contribution of teachers in a student's life.

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 2022 by the college.

National Mathematics day on 22/12/2022 birthday anniversary of Ramanujan

Maharashtra day celebrates on 1st may 20223.

| File Description  | Documents        |
|---|------------------|
| Annual report of the celebrations and commemorative events for the last (During the year) | <u>View File</u> |
| 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)

Goal: The basis for planning the training programme for candidates appearing for competitive exams is to meet the changing needs of time.

The context: There is no training center in the surrounding area for this form of operation. 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.

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.

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.

Evidence of success: Out of 24 students 08 are successfully placed in different posts.

BEST PRACTICE 2: STUDY IMPROVEMENT PROGRAM FOR SLUM AREA STUDENT (SIP-SAS)

Goal: The main objective of the college is to enhance the interest of slum area students in studies.

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.

Implementation: The Bridge of Hope (NGO) has registered students. Problems encountered and resources required: It is tedious at first to create the atmosphere for the programme in the slum area.

Evidence of success: Out of 05 students 01 is successfully succeed.

WEB LINK:https://www.kzsscollege.edu.in/best-practices/

| File Description                             | Documents        |
|--|------------------|
| Best practices in the Institutional web site | <u>View File</u> |
| 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 clearly states to Promote Science Education among Rural Students and fulfill Contemporary Need of the Society by Providing Quality Centric Higher Education with Holistic Development.

The college has been performing well in the following distinctive areas.

- The college is located in the rural region and has been offering co-education in the science faulty since 1992.
- Highly qualified and dedicated faculty imparts and guides to Ph.D. students since the last 8 years and students awarded Ph.D. degree.
- Organized various type social activities like Organ Donation and Body Donation Awareness Program since last 20 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 MCQs.
- Boys and also girl's students have excellent performance in the Sports and Cultural Activities at University and State Level.
- NSS unit organizes Extra-Curricular Activities and develop Holistic Morality in NSS volunteers.
- Women Cell organized programs on Women's Emancipation and Empowerment.
- 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.

### 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

Regarding the curriculum, there is no provision of revision of syllabus at college level but members of board of study in various subjects and members of faculty of Science, R.T.M .University, Nagpur contribute in revision and updating of syllabi at university level. In the beginning, university prepares academic calendar and it is mandatory to all colleges, that specifies the duration, semester and about the examination. In the beginning of session, time table and action plan for effective curriculum was developed and all the heads of the departments chalk out an academic teaching plan includes lecture hours, topic to be taught and other departmental activities conducted during academic year.

The institution has well infrastructure, curricular facilities , laboratories, library and classrooms facility. The internal assessment is carried out through unit test, student seminars, group discussion and assignment. During session, activities such as Industrial visit, Field visit, Horticultural training, Students group discussion, Students seminars, Medicinal plantation were organized for students. College also conducted certificate courses to acquire skilled and knowledge so that student can start their own entrepreneurship. Parent teacher meats were organized during session to assess performance of mentee and provide assistance to tackle their problems encountered during learning. At the end of semester, institutional head conducts meeting and take review about the allotted and completed curriculum, activities taken and some suggestion are given to staff members for further improvement.

| File Description                    | Documents  |
|-------------------------------------|--|
| Upload relevant supporting document | <u>View File</u>                                     |
| Link for Additional information     | https://www.kzsscollege.edu.in/programme-<br>course/ |

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous

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### Internal Evaluation (CIE)

1. As per academic calendar prepared by R.T.M. Nagpur university, Nagpur. The college has followed the guideline about admission, examination and vacation. The college academic calendar has been displayed on notice board,

for students. The college has adopted a method of assessing the academic performance of students on a continuous basis.

- 2 . Time table -The college time table regarding theory and practicals has been designed by time table committee of college IQAC.
- 3. 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.
- 4. Internal Examination- During the session the internal examination, the unit test, common test, test practical exam were conducted.
- 5. The schedule of university theory and practicals examination is prepared by university. As per the schedule regular even semester examination were conducted by university and odd semester examination at college during the session.
- 6. Students feedback- At the end of academic session students feedback on curriculumand institution is collected and analyzed.
- 7. Activities Organized Under the NSS unit of college various activities like yoga day, plantation, Swachchhataabhiyan, NSS special camp, blood donation camp, voter awareness programs and anniversaries of various great leaders were organized

.

| File Description                     | Documents  |
|--------------------------------------|--|
| Upload relevant supporting documents | <u>View File</u>   |
| Link for Additional information      | http://www.kzsscollege.edu.in/wp-content/uploads/2023/01/Academic-Calender-2022-23.pdf |

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

### A. All of the above

| File Description  | Documents        |
|---|------------------|
| Details of participation of<br>teachers in various<br>bodies/activities provided as a<br>response to the metric | <u>View File</u> |
| Any additional information  | No File Uploaded |

### 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

03

| File Description  | Documents        |
|---|------------------|
| Any additional information                              | No File Uploaded |
| Minutes of relevant Academic<br>Council/ BOS meetings   | No File Uploaded |
| Institutional data in prescribed format (Data Template) | <u>View File</u> |

### 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)

04

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

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

195

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

195

| File Description  | Documents        |
|---|------------------|
| Any additional information  | <u>View File</u> |
| Details of the students enrolled<br>in Subjects related to<br>certificate/Add-on programs | <u>View File</u> |

### 1.3 - Curriculum Enrichment

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

Women Cell organized one day workshop on Women Health Management on dated 17 Dec 2022 through this various health problems related to women like gyanic problems and other were discussed. The International Women Day was celebrated on dated 8 March 2023 on this occasion the elocution competition were organized for girls students on the topic "mother and daughter relation"

The international Yoga day was initiated by prime minister of India, it was organized in the college campus on 21/06/2022. NSS Students were trained with different yogaashanas by the trainer and guided the importance of Yoga to keep our health in a good manner. The Azadika Amrtut mohts av was celebrated with different program like rally and other programme conducted.

Under NSS Unit, organized a SwachyataPakwada (15 Sep-20ct2022) on the occasion of Gandhi Jayanti through this programme various

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activities have done like Sanitization and hygiene, waste management, plastic muktasankalp, In order to sensitized students about the environment and sustainability issues were several academic activities like Plantation, Hand wash day, NSS camp (3-9Feb2023), Blood donation camp( 19.3.23) were organized. Also under the department of physics carried out two day workshop for girls student on smart girls training(13 & 140ct2022). The department of chemistry conducted two days workshop collaboration Universal Biotech Labortary and Iris Agro Farms Kalmeshwar, on the topics 'soil and water analysis' for the students (11 & 12 Nov2022).

| 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 | <u>View File</u> |

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

00

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

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

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### 00

| File Description  | Documents        |
|---|------------------|
| Any additional information  | No File Uploaded |
| List of programmes and number<br>of students undertaking project<br>work/field work//internships<br>(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

B. Any 3 of the above

| File Description   | Documents        |
|--|------------------|
| URL for stakeholder feedback report  | <u>View File</u> |
| Action taken report of the<br>Institution on feedback report as<br>stated in the minutes of the<br>Governing Council, Syndicate,<br>Board of Management (Upload) | <u>View File</u> |
| Any additional information(Upload)   | No File Uploaded |

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

A. Feedback collected, analyzed and action taken and feedback available on website

| File Description                  | Documents                                |
|-----------------------------------|--|
| Upload any additional information | <u>View File</u>                         |
| URL for feedback report           | https://www.kzsscollege.edu.in/feedback/ |

### 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

### 360

| File Description                        | Documents        |
|---|------------------|
| Any additional information              | <u>View File</u> |
| Institutional data in prescribed format | <u>View File</u> |

## 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

#### 143

| File Description  | Documents        |
|---|------------------|
| Any additional information                                    | No File Uploaded |
| Number of seats filled against seats reserved (Data Template) | <u>View File</u> |

### 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

At KZS Science college students are categorized initially viz. slow learners/ weak students/ Advanced learners. Every student is bagged with a teacher Mentor who guides through every path to gain knowledge. Extra coaching for the difficult subjects is arranged weekly. Weak students attend and clear their doubts accordingly. We have inculcated since 2017 onwards. 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 |
|--------------------|--------------------|
| 311                | 15                 |

| File Description           | Documents        |
|----------------------------|------------------|
| Any additional information | <u>View File</u> |

### 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.

| 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, and 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<br>describing the ICT enabled<br>tools for effective teaching-<br>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. | <u>View File</u> |
| Circulars pertaining to assigning mentors to mentees                | <u>View File</u> |
| mentor/mentee ratio   | <u>View File</u> |

### 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)   | <u>View File</u> |
| Any additional information   | No File Uploaded |
| List of the faculty members<br>authenticated by the Head of<br>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) | <u>View File</u> |

## 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

19

| File Description   | Documents        |
|--|------------------|
| Any additional information   | No File Uploaded |
| List of Teachers including their PAN, designation, dept. and experience details(Data Template) | <u>View File</u> |

#### 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.

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An apparent and healthy 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. 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 extracurricular 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.

| 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.

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

| File Description                                     | Documents   |
|--|---|
| Upload any additional information                    | No File Uploaded  |
| Paste link for Additional information                | https://www.kzsscollege.edu.in/wp-<br>content/uploads/2023/09/PO-CO-and-PSO.pdf |
| 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.

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. 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. 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 .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

| File Description                      | Documents   |
|---------------------------------------|---|
| Upload any additional information     | No File Uploaded  |
| Paste link for Additional information | https://www.kzsscollege.edu.in/wp-<br>content/uploads/2023/09/PO-CO-and-PSO.pdf |

#### 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

26

| File Description  | Documents  |
|---|--|
| Upload list of Programmes and<br>number of students passed and<br>appeared in the final year<br>examination (Data Template) | <u>View File</u>   |
| Upload any additional information   | No File Uploaded   |
| Paste link for the annual report  | https://www.kzsscollege.edu.in/wp-content/uploads/2023/10/Certified-Report-indicating-pass-percentage-of-students-of-Final-year-23.pdf |

#### 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)

https://www.kzsscollege.edu.in/wpcontent/uploads/2023/08/SSS-2022-23.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<br>letters for sponsored research<br>projects /endowments | No File Uploaded |
| List of endowments / projects<br>with details of grants(Data<br>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

03

| File Description   | Documents        |
|--|------------------|
| Report of the event  | <u>View File</u> |
| Any additional information   | No File Uploaded |
| List of workshops/seminars<br>during last 5 years (Data<br>Template) | <u>View File</u> |

#### 3.2 - Research Publications and Awards

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## 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

4

| File Description  | Documents        |
|---|------------------|
| Any additional information  | No File Uploaded |
| List of research papers by title,<br>author, department, name and<br>year of publication (Data<br>Template) | <u>View File</u> |

- 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

04

| File Description  | Documents        |
|---|------------------|
| Any additional information  | No File Uploaded |
| List books and chapters edited volumes/ books published (Data Template) | <u>View File</u> |

#### 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 College is situated particularly in rural area. NSS unit has worked to construct public toilets at adopted Waroda village. NSS unit organizes a residential seven day camp in nearby adopted village and several activities were carried out by NSS volunteers addressing social issues which include cleanliness, tree plantation ,water conservation, Shramdan, Social interaction, Eradication of superstition, Environmental awareness, Women empowerment, National Integrity, Aids awareness, Blood donation camp, health check-up camp, farmers meet, awareness about farmer's suicide, tree plantation, Road safety awareness, Ekta daud for health, Save fuel program, Swachhta Abhiyan, National equality awareness, Voters awareness, Samvidhan Divas, National

girl child day, Yoga day, etc extension activities were carried out in the neighborhood community to sensitizing students etc. social issues, for their holistic development, and impact thereof. It aims at developing qualities of leadership, patriotism, maintaining discipline, character building, spirit of adventure and the ideal of self service. All these mentioned activities have positive impact on the students and it developed student community relationship, leadership skill and self-confidence of students. It also helped in cultivating hidden personality of students and created awareness among students.

All these mentioned activities have positive impact on the students and it developed student - community relationship, leadership skill and self-confidence of students. It also helped in cultivating hidden personality of students and created awareness among students.

| File Description                      | Documents   |
|---------------------------------------|---|
| Paste link for additional information | https://www.kzsscollege.edu.in/wp-content/<br>uploads/2023/07/Extension-and-outreach-<br>prog-2022-23.pdf |
| Upload any additional information     | <u>View File</u>  |

- 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

#### Nil

| File Description  | Documents        |
|---|------------------|
| Any additional information  | No File Uploaded |
| 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

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## 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   | <u>View File</u> |
| Any additional information   | No File Uploaded |
| Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template) | <u>View File</u> |

- 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

552

| File Description  | Documents        |
|---|------------------|
| Report of the event   | No File Uploaded |
| Any additional information  | No File Uploaded |
| Number of students<br>participating in extension<br>activities with Govt. or NGO<br>etc (Data Template) | View File        |

#### 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

03

| File Description  | Documents        |
|---|------------------|
| e-copies of linkage related<br>Document   | <u>View File</u> |
| Details of linkages with institutions/industries for internship (Data Template) | <u>View File</u> |
| 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

01

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

#### 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.

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. Total area of 4005 sq ft is occupied by these six classrooms. All classrooms are in the range of wi-fi facility and rooms 1 to 5 are with DLP facility. We have well furnished-specious five laboratories with proper air and light circulation and, each having room more than sufficient of student's intake with well seating arrangement in the college building. Out of these, three laboratories (Physics - 1150 sq ft, Chemistry - 1250 sq ft and Computer Science - 500 sq ft) are at the ground floor and two laboratories (Botany - 1000 sq ft and Zoology - 1000 sq

ft) are at the first floor. The total area of 4900 sq ft is occupied by the laboratories. All laboratories are well equipped with 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 21computers 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     | <u>View File</u>  |
| Paste link for additional information | http://www.kzsscollege.edu.in/wp-content/uploads/2023/02/Infrastructure-up-to-2021-22docx.pdf |

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

The seminar hall cum auditorium (2000 sq ft) and corridor (1800 sq ft) are available to conduct the cultural activities.

The specious Indoor Stadium (879 sq m ~ 9500 sq ft) including bat-Minton court, volley ball court is available. Huge playground (1.01 hector) is available including running track - 200m, shortput sector, jumping pit, double bar - single bar, volley ball ground, kabaddi ground and cricket pitch. The sports in Chess and Carom 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 | https://www.kzsscollege.edu.in/wp-content/uploads/2023/08/4.1.2-Facilities-Cultural-and-Playground-Sports-Games-Gymnasium.docx.pdf |

## 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

06

| File Description   | Documents   |
|--|---|
| Upload any additional information  | <u>View File</u>  |
| Paste link for additional information  | https://www.kzsscollege.edu.in/wp-content/uploads/2023/08/4.1.3.1-Classrooms-and-seminar-halls-with-ICT-facilities.docx.pdf |
| Upload Number of classrooms<br>and seminar halls with ICT<br>enabled facilities (Data<br>Template) | <u>View File</u>  |

## 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)

00

| File Description  | Documents        |
|---|------------------|
| Upload any additional information   | No File Uploaded |
| Upload audited utilization statements   | No File Uploaded |
| Upload Details of budget<br>allocation, excluding salary<br>during the year (Data Template) | No File Uploaded |

#### 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 is partially automated using Integrated Library
Management (LIB-Man) 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-

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friendly, multi-user package for computerization of all the inhouse operations of the library. Lib-Man is embedded with Multilingual Fonts, Barcodes. 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. 20,000/-

| File Description                      | Documents   |
|---------------------------------------|---|
| Upload any additional information     | <u>View File</u>  |
| Paste link for Additional Information | https://www.kzsscollege.edu.in/wp-content/uploads/2023/08/4.2.1-Library-Management-S ystem-ILMS-with- certificates-2022-23.docx.pdf |

#### 4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership ebooks Databases Remote access toeresources

|    |      | _  | _   | _     |
|----|------|----|-----|-------|
| Е. | None | of | the | above |

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

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

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#### 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)

#### 0.38

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

## 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

#### 27

| File Description                                  | Documents        |
|---|------------------|
| Any additional information                        | <u>View File</u> |
| Details of library usage by teachers and students | <u>View File</u> |

#### 4.3 - IT Infrastructure

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

In past, up to year 2019-2020, wi-fi and LAN, both were working with 20 mbps. Now, 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 of In Cable service are in use. Both, LAN and wi-fi facilities are available for the departments / laboratories, 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.

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-onecomputers are available for the student's academic purpose.

| File Description                      | Documents   |
|---------------------------------------|---|
| Upload any additional information     | <u>View File</u>  |
| Paste link for additional information | http://www.kzsscollege.edu.in/wp-content/uploads/2023/02/4.3.3-Internet-Bill.docx.pdf |

#### 4.3.2 - Number of Computers

48

| File Description                  | Documents        |
|-----------------------------------|------------------|
| Upload any additional information | <u>View File</u> |
| Student – computer ratio          | <u>View File</u> |

## **4.3.3 - Bandwidth of internet connection in the Institution**

| A. | ? | 50MBPS |
|----|---|--------|
|----|---|--------|

| File Description   | Documents        |
|--|------------------|
| Upload any additional<br>Information                                     | No File Uploaded |
| Details of available bandwidth of internet connection in the Institution | <u>View File</u> |

#### 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)

1.48

| File Description   | Documents        |
|--|------------------|
| Upload any additional information  | No File Uploaded |
| Audited statements of accounts.  | <u>View File</u> |
| Details about assigned budget<br>and expenditure on physical<br>facilities and academic support<br>facilities (Data Templates) | <u>View File</u> |

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.

#### PHYSICAL Facility

Four solar street lamps on the playground and hygienic drinking water / washroom water are available. One electrical technician has hired on AMC basis. The high-power generator of 25 kVA (Kirloskar make) under the company service is ready to run the all-campus work in case of power off. One plumber/technician is hired on AMC basis for the water circulating system. The annual white wash of the buildings has been carried by calling the local painters on hire basis.

The Indoor Stadium, gymnasium, playground, seminar hall and all IT are under maintenance by calling respective service mans.

#### ACADEMIC Facility

We call the service mans from the scientific companies to repair the laboratory instruments. Practical batches are prepared so as to give hands on experience to all the students. Regular dusting and cleaning are done by using vacuum cleaners. Pest control is carried out so as to increase the life of valuables resources of library. The LMS is available on AMC basis. Software/hardware technicians are hired on annual contract basis (AMC) to maintain, repair and extend the computers, DLPs and Internet BB/wi-fi service. Daily cleaning of six classrooms has done by class four staff of college.

| File Description                      | Documents        |
|---------------------------------------|------------------|
| Upload any additional information     | <u>View File</u> |
| 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

164

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

## 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<br>by scholarships and free ships<br>institution / non- government<br>agencies in last 5 years (Date<br>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  | <u>View File</u> |
| Details of capability building<br>and skills enhancement<br>initiatives (Data Template) | <u>View File</u> |

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

17

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

**17** 

| File Description  | Documents        |
|---|------------------|
| Any additional information  | <u>View File</u> |
| Number of students benefited<br>by guidance for competitive<br>examinations and career<br>counseling during the year<br>(Data Template) | <u>View File</u> |

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. Any 3 of the above

| File Description   | Documents        |
|--|------------------|
| Minutes of the meetings of<br>student redressal committee,<br>prevention of sexual harassment<br>committee and Anti Ragging<br>committee | <u>View File</u> |
| Upload any additional information  | No File Uploaded |
| 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

06

| File Description                                   | Documents        |
|--|------------------|
| Upload supporting data for student/alumni          | <u>View File</u> |
| Any additional information                         | No File Uploaded |
| Details of student progression to higher education | <u>View File</u> |

## 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

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#### government examinations) during the year

06

| File Description                    | Documents        |
|-------------------------------------|------------------|
| Upload supporting data for the same | <u>View File</u> |
| Any additional information          | <u>View File</u> |

#### 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.

04

| File Description  | Documents        |
|---|------------------|
| e-copies of award letters and certificates  | No File Uploaded |
| Any additional information  | <u>View File</u> |
| Number of awards/medals for<br>outstanding performance in<br>sports/cultural activities at univ<br>ersity/state/national/internationa<br>l level (During the year) (Data<br>Template) | <u>View File</u> |

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

Student Council and representation of students for academic session 2022 - 2023 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
- iv) 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 2022-2023

| File Description                      | Documents        |
|---------------------------------------|------------------|
| Paste link for additional information | Nil              |
| Upload any additional information     | <u>View File</u> |

- 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

278

| File Description   | Documents        |
|--|------------------|
| Report of the event  | <u>View File</u> |
| Upload any additional information  | No File Uploaded |
| 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) | <u>View File</u> |

#### 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

Student Alumni Meet, was organized on 23-03-2023 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 and ex-students were present.

One of thealumni Mr. Makode give an idea about how to study during exam period and give valuable suggestion for improving the fund of alumni. Devghare, Prasanna Sadan, Samiksha Katgube and vishal kharde have promised to help for the development ofcollege. One of the alumni suggested that students face difficulty in coming from Bramhni Fata and go back .Bus timing are not suitable for coming and going home to students from the college so he suggested that we should requestDepo Manager, saoner Aagar and Traffic Controller, Nagpur for the extra bus from Mohpa to Kalmeshwar.

The alumni, Mr. Ajay Khade suggested that after completion of B.Sc. Degree I Joined in a private factory (Ran Chemicals, MIDC Kalmeshwar). Then as guided by Charjan Sir I joined for B.Ed.Course. Today I am working as a High school Teacher at Shri Prabodhankar Thakare Vidalaya Wadi, Nagpur. So for this I am very much thankful to Principal, all teaching staff of the college.

| File Description                      | Documents  |
|---------------------------------------|--|
| Paste link for additional information | https://www.kzsscollege.edu.in/wp-content/<br>uploads/2023/07/Alumni-<br>activity-22-23.docx.pdf |
| Upload any additional information     | No File Uploaded   |

## **5.4.2 - Alumni contribution during the year** (INR in Lakhs)

| E. | <1Lakhs |
|----|---------|
|----|---------|

| File Description                  | Documents        |
|-----------------------------------|------------------|
| Upload any additional information | <u>View File</u> |

#### 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 30 years of its existence.

#### VISION....

To be leader in fulfilling the contemporary need of the society by providing quality centric higher education with holistic development.

#### MISSION....

To develop personality by imparting knowledge through education in systematic means to socio-economically weaker students.

#### OBJECTIVES....

The college desires to continue quality education which will make our students remarkable citizens of the country with cherishable values inculcated in them. Promoting a higher version of generations with qualities deep rooted within them. The college is constantly working hard on these objectives as their mission to produce an employable, desirable, and amicable and a responsible youth for the nation.

| File Description                      | Documents  |
|---------------------------------------|--|
| Paste link for additional information | https://www.kzsscollege.edu.in/vision-and-<br>mission-2/ |
| Upload any additional information     | <u>View File</u>   |

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

Dr. Bhabha Vidnyan Lokshikshan Sanstha and K. Z. S. Science College Bramhani - Kalmeshwar organized Science essay competition for high school students from various schools of Kalmeshwar in the college on 10-12-2022. The objective of the essay competition is to develop the interest of students in the science and to think about the scientific approach on various issues. The students have to write essay on any one of the following subjects

- Role of Indian Research Institutes in Modern India
- Climate change and Indian agriculture issues and solutions
- Curriculum and its scopes changes with time in modern india.

Total 221 students from various schools participated in this competition and two students won consolationsprizes. 1st prize of Rs. 2000 and a certificate was given to Rinku K.Waghmare and 2ndprize of Rs. 1000 and a certificate was given to Trusha K. Khadagi and 3rd prize of Rs. 1000 and a certificate was given to Janhavi A. Gawali .

| File Description                      | Documents        |
|---------------------------------------|------------------|
| Paste link for additional information | Nil              |
| Upload any additional information     | <u>View File</u> |

#### 6.2 - Strategy Development and Deployment

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

#### National Science Day Program

Every year National Science Day at our college was organized by the department of physics with IQAC collaboration, on 28th Feb. Thecelebration was inaugurated by the president of college development committee, Mr. Prabhakarji Shrikhande. In the first day session of program, on 27th Feb., the various scientific concepts and interdisciplinary concepts were presented by the 22 college students from the different streams, using the power point presentation. The program was presided over by the principal of college, Dr. Anand Tikhe in the presence of guests of honour, Mr. Mahadeorao Ikhar and Mr. ShankarraoBobade. Students were benefited by very fruitful guidance of honourable chief guest, professor Ajay Sharma, Nabira Science College, Katol. He corelated the scientific concepts in physics with Yogic Dhyan Sadhana and indeed, the students were enjoyed it. The selected students having hand in presentation were motivated with special prizes and honoured by the chief guests and other guests of honours. The prize distribution was managed and announced by the prof. Vikas Borkar. The six students stood with descending ranks. Their names and respective topics were, Miss Shrunkhala Kothekar - The Role of Mathematics In The Modern Technology, Miss Santoshi Pawar - The Journey of Water, Miss Vaishnavi Dambhare -Physics In The Medical Sciences, Miss Shruti Petkar - Plant Breeding, Miss Anjali Thakre - The Climate Change and Mr. ChaitannyaTijare - The Generation of Computer. All other student participants were certified by the certificate of participation.

| File Description                                       | Documents  |
|--|--|
| Strategic Plan and deployment documents on the website | <u>View File</u>   |
| Paste link for additional information                  | https://www.kzsscollege.edu.in/wp-content/<br>uploads/2023/09/Strategic-Plan-21-26.pdf |
| Upload any additional information                      | <u>View File</u>   |

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.

#### Management:

The chief governing body of the college Dr. Bhabha Vidynan

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Lokshnan Sanstha, Kalmeshwar (BVLS) to be referred as management.

#### The Principal:

Principal is empowered by the management to lead the college towards the achievement of the vision and mission of the college.

College development committee :

College Development Committee sanctions annual budget and statements of financial issues, discuss the academic progress of institution, augmentation of infrastructure.

Internal Quality Assurance cell:

There is an internal Quality Assurance cell which has been working since its establishment in the academic year 2014.

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. Submit the annual budget to the principal.

Teaching faculty:

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

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, and four peons

| File Description                              | Documents                                  |
|---|--|
| Paste link for additional information         | Nil  |
| Link to Organogram of the Institution webpage | https://www.kzsscollege.edu.in/about-us-2/ |
| Upload any additional information             | <u>View File</u>                           |

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

D. Any 1 of the above

| File Description  | Documents        |
|---|------------------|
| ERP (Enterprise Resource Planning)Document  | No File Uploaded |
| Screen shots of user interfaces   | <u>View File</u> |
| Any additional information  | No File Uploaded |
| Details of implementation of e-<br>governance in areas of<br>operation, Administration etc<br>(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 Premiumis deducted monthly from the salary of employee.
- 2. Madhuganga Nagri Pat Sahakari Santha Mohpa offers 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.

- 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).
- 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.

| File Description                      | Documents        |
|---------------------------------------|------------------|
| Paste link for additional information | Nil              |
| Upload any additional information     | <u>View File</u> |

#### 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

07

| File Description   | Documents        |
|--|------------------|
| Upload any additional information  | <u>View File</u> |
| Details of teachers provided<br>with financial support to attend<br>conference, workshops etc<br>during the year (Data Template) | <u>View File</u> |

- 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

02

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

- 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

09

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

#### 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
- 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 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.

| 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

At the beginning of the academic year the Principal convenes a CDC meeting and present budget which is sanctioned and the expenses are done accordingly in the 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. 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 deputes a team of internal auditors that verify voucher of the transactions, scholarship transaction and any other financial matters foreach 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 audit was done for the financial year 2022-23.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     | <u>View File</u> |

#### 6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers

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#### 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)

#### 1.97

| File Description   | Documents        |
|--|------------------|
| Annual statements of accounts  | <u>View File</u> |
| Any additional information   | No File Uploaded |
| Details of Funds / Grants<br>received from of the non-<br>government bodies, individuals,<br>Philanthropers during the year<br>(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, 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.

Laboratory Fees: It is used for current lab expenditures.

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

Sports Fees: 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 should have the responsibility of optimum utilization of the available instruments, and chemicals.
- Regular lab attendants are appointed in the science labs.
- Teachers are asked to attain to faculty development programme

| File Description                      | Documents        |
|---------------------------------------|------------------|
| Paste link for additional information | Nil              |
| Upload any additional information     | <u>View File</u> |

#### 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

#### Practice 1:

Department of Chemistry , K. Z. S. Science college Bramhni -Kalmeshwar has organized two days workshop in collaboration with Universal Biotech Laboratory and Iris Agro Farms Kalmeshwar

on 11th and 12th November 2022 on the topic "Soil Health Management and Estimate the Requirement of Organic Impact on Crop Production" on 11th November 2022 Mr. Sunil M. Konde (Managing Director, Universal Biotech laboratory and Iris Agro Farms Kalmeshwar) delivered the guest lecturer and guided the students and on 12th November 2022 field visit and training of soil testing was done. The presidential speech of honorable Mr. P. B. Dangore, secreatory ( Dr. Bhabha Vidnyan Lokshikshan Sanstha kalmeshwar), Principal Dr. A. K. Tikhe was present during the session. Dr. A. P. Ganorkar H.O. D. of Chemistry and IQAC coordinator, Dr. R. H. Gupta, Convener of the workshop. The vote of thanks was delivered by Dr. A. R. Bijwe.

#### Practice 2:

Career Guidance program was organized by Computer department of K. Z. S Science college Bramhni on dated 5/11/2022 at 10.30 a.m.

on the topic on "Opportunity in IT Sector" by Mr. Gunvant Chimote (Technical Lead in Microsoft Technology). Introduction of Program was given by Dr. V. S. Borkar (Head of Dept. of Library). Presidential Speech was given by Dr. A. P. Ganorkar (Head of Dept. of Chemistry) The program anchor by Miss V. M. Takarkhede and Miss M. A. Wankhede gave vote of Thanks

| File Description                      | Documents        |
|---------------------------------------|------------------|
| Paste link for additional information | Nil              |
| Upload any additional information     | <u>View File</u> |

- 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:

The Faculty members use audio-visual mode, LCD, projector OHP, Laptop, ICT as teaching aids. The Institute encourages the Faculties to participate and present papers in seminar, conferences and workshops. The Department organizes Student Seminars, field visits including Industrial visits, Educational tours, Guest Lectures etc.

In this session two laboratories have been renovated 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.

2. Evaluation of Students through Examinations:

As the College is affiliated to the R. T. M. Nagpur University, primarily, the responsibility of university body is to prepare the time table for all the examinations conducted by the university, allotment of the examination centers, appointment of the officers and sub-ordinate staff for conducting theory, practical and internal examination and appointment of the examiners, deciding the evaluation centers and declaration of results in a stipulated time. Student's performance can be evaluated through Examinations. Each departments conduct unit tests, surprise tests, assignments. 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     | <u>View File</u> |

- 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                                    | https://www.kzsscollege.edu.in/wp-content/<br>uploads/2023/06/IOAC-Meeting-and-Action-<br>Taken-Report-2022-23.pdf |
| Upload e-copies of the accreditations and certifications                           | <u>View File</u>   |
| Upload any additional information  | <u>View File</u>   |
| 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

Our college has taken various initiatives and activities to give equal status & opportunities to the students. No discrimination is done on the basis of religion, Caste, Gender, Disability in admission process. Various committees such as Sexual Harassment Prevention Committee, Student monitoring committee and Anti Ragging Committee are actively working and monitoring the day

today activities.

#### 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. The firefighting equipment is kept at college corridor.

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.

#### 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.

#### c.Common Rooms:

- 1. The Institute has separate girl's common room,
- 2. Separate washrooms for boys and girls are there in the college.

| File Description   | Documents   |
|--|---|
| Annual gender sensitization action plan  | https://www.kzsscollege.edu.in/wp-content/<br>uploads/2023/08/Gender-Equity-<br>Sensitization-Action-Plan.pdf |
| 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 | https://www.kzsscollege.edu.in/wp-content/uploads/2023/08/Specific-facilities-provided-for-womans.pdf         |

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensorbased energy conservation Use of LED bulbs/

C. Any 2 of the above

#### power efficient equipment

| File Description               | Documents        |
|--------------------------------|------------------|
| Geo tagged Photographs         | <u>View File</u> |
| 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

To maintain an eco-friendly campus is the prime priority of our college.

.On the college campus, dust bin placed in strategic locations for everyone to use. The waste is handled in accordance with its type. The college has the practice to use one-sided printed paper for internal communication and use reused papers in the college..

#### Solid waste management:

For further solid waste treatment, the Gram Panchyayat receives all biodegradable solid waste produced on campus, including the majority of waste papers.

Decomposed plant material collected from garden and campus area were stored for later use as a source of bio fertilizer..

#### 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:

The e-waste generated from hardware which cannot be reused or recycled is being disposed of centrally through vendors.

•

| File Description  | Documents        |
|---|------------------|
| Relevant documents like agreements/MoUs with Government and other approved agencies | <u>View File</u> |
| Geo tagged photographs of the facilities  | Nil              |
| Any other relevant information  | <u>View File</u> |

# 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 | <u>View File</u> |
| 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 | <u>View File</u> |
| 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      |  |

A. Any 4 or all of the above

## 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

| File Description  | Documents        |
|---|------------------|
| Reports on environment and energy audits submitted by the auditing agency | <u>View File</u> |
| Certification by the auditing agency                                      | No File Uploaded |
| Certificates of the awards received                                       | No File Uploaded |
| Any other relevant information  | <u>View File</u> |

7.1.7 - The Institution has disabled-friendly, 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, screenreading software, mechanized equipment 5. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading material, screen reading

D. Any 1 of the above

| File Description   | Documents        |
|--|------------------|
| Geo tagged photographs / videos of the facilities                        | <u>View File</u> |
| 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).

College takes efforts in providing an inclusive environment i.e.,

tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities. College is aiming at providing affordable and quality education to all layers of society. 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.

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, 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. And Minorities' right day celebrated on 18/12/2022.

| File Description   | Documents        |
|--|------------------|
| Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution) | <u>View File</u> |
| 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 organized Constitution Day Celebration on 26-11-2022 at college premises. The Objective of the program is to inculcate constitutional obligations among students, to create awareness about constitution, to sensitize the students about importance of constitution day.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.

| File Description   | Documents        |
|--|------------------|
| Details of activities that inculcate values; necessary to render students in to responsible citizens | <u>View File</u> |
| Any other relevant information   | No File Uploaded |

7.1.10 - The Institution has a prescribed code | A. All of the above 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 ethics programmes for teachers, administrators students. 4. Annual awareness and other staff programmes on Code of Conduct are organized

| File Description   | Documents        |
|--|------------------|
| Code of ethics policy document   | <u>View File</u> |
| 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 | <u>View File</u> |
| Any other relevant information   | No File Uploaded |

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

College is committed to promote ethics and values amongst students and faculty. To encourage the same, the college celebrates and organizes national and international commemorative days, events and festivals. Celebration of cultural and constitutional festivals is integral part of college's co-curricular activities. Throughout session, different days are celebrated by students with guidance of teachers which help them to know about different cultures and to cognitively imagine India as a nation.

• NATIONAL SCIENCE DAY was conducted by department of Physics at our college on 28 February 2022.

Women's day celebration on 08/03/2023 by women cell.

International Yoga Day On 21st June, our college celebrates this day by practicing Yoga.

- Teachers and management, students of k. Z.S College celebrated India's 75 Independence Day on the morning of 15th August.
- Student Council celebrates September 5th on teacher days to remember the contribution of teachers in a student's life.

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 2022 by the college.

National Mathematics day on 22/12/2022 birthday anniversary of

#### Ramanujan

Maharashtra day celebrates on 1st may 20223.

| File Description  | Documents        |
|---|------------------|
| Annual report of the celebrations and commemorative events for the last (During the year) | <u>View File</u> |
| 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)

Goal: The basis for planning the training programme for candidates appearing for competitive exams is to meet the changing needs of time.

The context: There is no training center in the surrounding area for this form of operation. 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.

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.

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.

Evidence of success: Out of 24 students 08 are successfully placed in different posts.

BEST PRACTICE 2: STUDY IMPROVEMENT PROGRAM FOR SLUM AREA STUDENT (SIP-SAS)

Goal: The main objective of the college is to enhance the interest of slum area students in studies.

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.

Implementation: The Bridge of Hope (NGO) has registered students. Problems encountered and resources required: It is tedious at first to create the atmosphere for the programme in the slum area.

Evidence of success: Out of 05 students 01 is successfully succeed.

WEB LINK: https://www.kzsscollege.edu.in/best-practices/

| File Description                             | Documents        |
|--|------------------|
| Best practices in the Institutional web site | <u>View File</u> |
| 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 clearly states to Promote Science Education among Rural Students and fulfill Contemporary Need of the Society by Providing Quality Centric Higher Education with Holistic Development.

The college has been performing well in the following distinctive areas.

- The college is located in the rural region and has been offering co-education in the science faulty since 1992.
- Highly qualified and dedicated faculty imparts and guides to Ph.D. students since the last 8 years and students awarded Ph.D. degree.
- Organized various type social activities like Organ Donation and Body Donation Awareness Program since last 20 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 MCQs.
- Boys and also girl's students have excellent performance in the Sports and Cultural Activities at University and State Level.
- NSS unit organizes Extra-Curricular Activities and develop Holistic Morality in NSS volunteers.
- Women Cell organized programs on Women's Emancipation and Empowerment.
- 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.

| File Description                             | Documents        |
|--|------------------|
| Appropriate web in the Institutional website | No File Uploaded |
| Any other relevant information               | <u>View File</u> |

#### 7.3.2 - Plan of action for the next academic year

Future Plans of Action for Next Academic Year (2023-2024)

#### ACADEMIC:

- College electricity runs on solar energy
- To start more short courses in emerging subjects
- Activation of Evaluation on Teaching and Learning through Mentor- Mentee system.
- Remedial programme for academically weak students.
- Use of more ICT Tools for academic development
- To sign MoUs with different organizations.
- To arrange guest lectures, seminars, workshops with the help of resource persons.
- Recruitment of more faculty.

#### RESEARCH AND EXTENSION:

- Promotion of Research Culture among faculty.
- Encourage faculty for Research Publication.
- Initiative for National & International Linkage.

#### INFRASTRUCTURE:

- Improvement and augmentation in the infrastructure.
- Playground development with respect to running track and indoor wooden court.
- o Installation of green gym.