



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	KZS SCIENCE COLLEGE, BRAMHANI-KALMESHWAR
Name of the head of the Institution	Dr. A. K. TIKHE
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	07118271167
Mobile no.	9823745562
Registered Email	principal_kzs@rediffmail.com
Alternate Email	apganorkar@gmail.com
Address	K.Z. S. SCIENCE COLLEGE, BRAMHANI, KALMESHWER, DIST- NAGPUR, MAHARASHTRA
City/Town	BRAMHANI, KALMESHWER
State/UT	Maharashtra
Pincode	441501

<b>2. Institutional Status</b>	
Affiliated / Constituent	<b>Affiliated</b>
Type of Institution	<b>Co-education</b>
Location	<b>Rural</b>
Financial Status	<b>Self financed and grant-in-aid</b>
Name of the IQAC co-ordinator/Director	<b>Dr. AJAY P. GANORKAR</b>
Phone no/Alternate Phone no.	<b>07118271167</b>
Mobile no.	<b>9822690649</b>
Registered Email	<b>kzsnaac@gmail.com</b>
Alternate Email	<b>apganokar@gmail.com</b>

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="http://www.kzsscollege.edu.in/wp-content/uploads/2020/11/AQAR-2018-19.pdf">http://www.kzsscollege.edu.in/wp-content/uploads/2020/11/AQAR-2018-19.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	<b>Yes</b>
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://www.kzsscollege.edu.in/wp-content/uploads/2020/10/2019-20.pdf">http://www.kzsscollege.edu.in/wp-content/uploads/2020/10/2019-20.pdf</a>

**5. Accrediation Details**

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
<b>1</b>	<b>C+</b>	<b>60.05</b>	<b>2004</b>	<b>16-Sep-2004</b>	<b>15-Sep-2009</b>
<b>2</b>	<b>B</b>	<b>2.19</b>	<b>2016</b>	<b>17-Mar-2016</b>	<b>16-Mar-2021</b>

<b>6. Date of Establishment of IQAC</b>	<b>28-Mar-2014</b>
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**7. Internal Quality Assurance System**

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

Workshop on practical skill development for high school students.	24-Dec-2019 1	73
Blood donation camp	28-Feb-2020 1	31
Tree plantation in college premises and in adopted village: Waroda	23-Jul-2019 1	60
Tree plantation in college premises and in adopted village: Waroda	07-Aug-2019 1	160
Workshop on Sericulture and Apiculture for Farmers and Students	01-Mar-2020 1	88
Constitution Commitment Programme	24-Nov-2019 1	130
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**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Nil	Nil	Nil	2020 Nil	0
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

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

2

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

Yes

Upload the minutes of meeting and action taken report

[View File](#)

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

No

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

Workshop on Sericulture Apiculture for Farmers Students (01/03/2020) Programme on awareness of Gyenic diseases by Women's cell (at Waroda) (08/01/2020)

Environmental awareness programmes through tree plantation in college premises and in adopted village (Waroda) (07/08/2019) One day workshop on Practical Skill development for high school students. (24/12/2019) NSS special camp for students conducted at Waroda Organised online National Webinar on Smart tools for enhancing teaching learning skills for teachers. (29/06/2020)

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

Plan of Action	Achivements/Outcomes
Conduct regular meeting of IQAC	IQAC conducted two meetings on 1) 25/06/2019 2) 06/01/2020
To organise workshop for high school students	One day workshop on Practical Skill development for high school students. (24/12/2019)
To uplift tribal students and create interest for science subjects	Easy teaching techniques made available by college students to teach tribal students (Wadhar Wasti, Waroda).
To organise various lectures on special topics by guests and resourceful persons in every department	All departments invited resource persons from their subjects and enlighten students with their knowledge
Memorandum of Understanding with different organisations which would be helpful for students and staff members	MoUs are signed with Sankalp Shikshan Sanstha , Nagpur(10/08/2019) Centre for Sericulture and Biological pest Management Research (01/01/2020) and Universal Biotech Laboratory and Iris Agro farms Kalmeshwar (01/01/2020)
Blood donation camps for students	A blood donation camp was organised on 28/02/2020 at our college , 30 students donated blood in the camp
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.

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

Yes

Name of Statutory Body	Meeting Date
College Development Council	28-Dec-2020

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

No

16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	28-Jan-2020
17. Does the Institution have Management Information System ?	No

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Planning and Implementation

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

Institution is run by Dr. Bhabha Vidnyan Lokshikshan Sanstha, Kalmeshwar from 1992 and affiliated to Nagpur University. There is no provision of revision of syllabus at college level but members of board of study and senior faculty in various subjects contribute in revision and updating of syllabus at university level. At the beginning of every academic year, action plan for effective implementation of curriculum is developed and all the departments chalk out teaching plan including lecture hours, topic to be taught and other departmental activities to be conducted during academic year. Every academic year, university prepares academic calendar and principal calls the meeting for implementation of academic calendar by forming various committees for smooth conducting. Time table committee design time table for the session in which periods and workload of every teacher is allotted as per the university norms and for extra workload CHB teachers are appointed by principal as per need. All heads chalk out an action plan for effective curriculum delivery and departmental activities. They also distribute individual workload of theory and practical periods to departmental faculties. Institutional infrastructure and curricular facilities are regularly augmented according to increasing student strength. Institution has well equipped laboratories, library facility and classrooms. For upgrading knowledge, principal encourages all faculties to participate in various seminars, conferences, workshops, short term courses, orientation and refresher courses and also publish research papers in national and international journals. For effective curriculum use of ICT tools, teaching aids, well equipped lab, chart, reference books, journals, library facility etc. are available in the College. Study tour is jointly organised by Botany and Zoology department on 8 February 2020 with 51 students at Shivtirth and Industrial visit by chemistry department on 27 January 2020. Field visit, Horticultural training, guest lectures etc. are conducted to improve inclusiveness of students. To ensure learning outcome, internal assessment is carried out through student seminars, group discussion and project works. The unit tests are conducted after completion of each unit and at the end of semester common test on entire syllabus and evaluated. In order to improve knowledge of educationally backward students, extra classes (remedial classes) are taken. Parents and faculty members continuously interact and assess performance of mentee and provide assistance to tackle their problems encountered during learning. College started various certificate courses in various fields which may be help for the job opportunities in the respective fields or on the basis acquired skilled and knowledge from the course, they can start their own entrepreneurship. For personality development of various cultural and sports activities were

conducted for students by NSS department. Human/social values and professional ethics are inculcated in students by organizing blood donation camp, tree plantation, under the Swachhh Bharat Abhiyan to spread plastic free Bharat awareness in students. Pledge taken about tobacco free Bharat and arranged student rally in Bramhani village to spread awareness of democracy (Lokshahi) and others. At the end of semester, head of the institution conducts meeting in which review is taken about the allotted curriculum and activities taken and suggestion are given to staff members.

#### 1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Certificate Course in Apiculture	--	17/02/2020	90	Students can set up their own business on apiculture and sell honey	Apiculture technique, equipment, history of bee keeping and hive management, identification of Bee species.
Certificate Course in Home Based Nursery Business	--	03/09/2019	90	Students living in small town or rural areacan also make a good income to retail nurseries business around the region.	Plant growing, Budding, Grafting, Potting, Landscaping maintaining plants species
Certificate Course in Basic Computer Literacy	--	09/09/2019	90	Thecourse knowledge is beneficial to start own computer institute and scope for private sector	Fundamental knowledge of computer, maintenance of computer, internet surfing.
Certificate course in Development of Quantitative Aptitude	--	09/09/2019	90	Students get prepared for MPSC,UPSC like competitive examination and employment	Developed numerical problem solving technique.

### 1.2 – Academic Flexibility

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

Programme/Course	Programme Specialization	Dates of Introduction
BSc	0	Nil
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BSc	0	Nil

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

	Certificate	Diploma Course
Number of Students	223	Nil

### 1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Spoken English course	20/01/2020	23
Guidance for Competitive examination Career Counselling	16/09/2019	27
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BSc	Nil	Nil
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### 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	No
Employers	No
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>Feedback system is essential for to find out weaknesses and the overall quality of college and for the same, the following feedback is taken and analysed during the session. 1.Students feedback 2.Alumni feedback 3.Parents feedback The College gets feedback from the students to enrich the college development. Feedback committee have designed a special feedback form on institutional performance. In the feedback containing questionnaires on various aspects such as personal counseling, result and involvement of teacher etc. The student satisfaction survey has been taken manually. The feedback and suggestions received are placed before the Principal for corrective measure from time to</p>

time . A questionnaires containing 16 parameters was prepared to obtained feedback from students to find out the quality of the college. For the feedback survey third year students have taken part from different group. Student have shown their satisfaction in almost all aspects covered in the feedback form. Feedback committee in-charge provided their feedback in the meeting of college council. The alumni is an important source of feedback. The alumni, with their experience in the current scenario and will be able to give a genuine status report of course and college. Alumni meeting was organized in session. In this meeting Ex-students of different subject groups were present. For alumni, feedback form was prepared and provided, it contain 22 questionnaires are distributed to the alumni and collected information were analyzed. However, their major demand are to introduce job oriented courses facility, placement opportunity, regular cleaning wash room, enlarge library facility, canteen facility, etc. The alumni feedback approach is basically about institutional practices, processes and frameworks that take into account students concerns of the quality of the education they receive and it trying to implement as per their needs. Feedback form was designed for the parent feedback with 15 questionnaires. Filled feedback collects from the parents during the Parent Teacher Meeting and it help the institution to get academics and discipline of the College. The collection and analysis of feedback from various parents and it really assist the institution to understand the need of society. After analysis of feedback a inclusive reports are prepared and were communicate to concern teaching staff/ departmental head/ examination in-charge/ library staff for improvement. Some of the suggestions given by the parents are taken into consideration. The Principal taken the reviews on all the feedback forms and has review meetings with the Staff.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BSc	B. Sc. III (PCM, CBZ, PCoM)	120	76	76
BSc	B. Sc. II (PCM, CBZ, PCoM)	144	140	140
BSc	B. Sc. I (PCM, CBZ, PCoM)	144	158	135

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### 2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	351	Nil	15	Nil	Nil

### 2.3 – Teaching - Learning Process



2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
15	15	3	3	Nil	1
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<a href="#">View File of E-resources and techniques used</a>					

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

The mentor –mentee system has been made available in college since 2017. At the commencement of every academic session one of the faculty members allots the class-wise names of the mentors and mentee. The mentors then contact their mentee and inform them for further meetings. The mentors are responsible for academic progress, health, economic support as and when required and mental welfare of their mentees. They provide primary emotional counselling to those who need them and refer them for more professional counselling, if required. An orientation programme for the mentees is held to get familiar with the institution, its goals and mission, the facilities available and the regulations of the affiliating university. The mentors maintain the memoir of each apprentice including their family background and socioeconomic status. They keep a check on their attendance, performance, routine and academic progress. The mentors use both formal and informal means of mentoring.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
351	15	1:23.4

**2.4 – Teacher Profile and Quality**

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
16	3	1	3	3

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. S.S. Charjan, 11th National Conference on Solid State Chemistry and Allied areas -NCSCA-2019	Assistant Professor	I prize in Material Sciences Oral presentation , ISCAS, Jammu S.K. Porwal College, Kamptee.
2020	Dr. Manoj P. Thakare National Symposium Insect Diversity and Conservation-2020	Assistant Professor	BEST Poster Award, Loyola College Chennai and ICAR-NBAIR, Bengaluru.
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**2.5 – Evaluation Process and Reforms**

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

the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BSc	PCM/CBZ/PCoM	Sem 1 and 3	19/10/2019	14/02/2020
BSc	PCM/CBZ/PCoM	Sem 2 and 4	30/04/2020	16/10/2020
BSc	PCM/CBZ/PCoM	Sem 5	19/10/2019	27/01/2020
BSc	PCM/CBZ/PCoM	Sem 6	30/04/2020	23/11/2020

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

The academic session begins with an orientation programme where students are informed about the continuous internal evaluation. They acquire the knowledge of examination rules, examination formats and eligibility criteria required for enrolment in the next term examination. Every department conducts test after completion of their respective units. Therefore, every full time teacher evaluates their respective students and maintains the mark sheet. After completion of the course prelims are conducted. The final year students are also evaluated through their seminar presentation skills that are conducted during regular lecture time. Other assessment methods like elocution, debate and poster competitions are organized to evaluate the creative skills of the students. As per the needs of college gives equal importance of the performance of the students in every categories of the assessment. The students with low academic performance are given special attention and remedial teaching practices have been incorporated Assignments, Seminars and Project Works are another major evaluation wherein students are made to perform either individually or in group. Group discussion, Field trip/ excursion and other curriculum activities are arranged for the students to engage them in cognitive learning, outdoor exposure, and evaluation of their work. The repercussion of various instruction techniques are development to support the theoretical method of teaching learning process and subsequently Internal Evaluation system is assisted.

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

Academic calendar of the institution is prepared by the Planning Committee at the commencement of the session 2019-20. The Academic calendar is then displayed on the front display board of the college for the students at the entrance gate of the college. Circulation of the academic calendar is done among the various departments for teaching non-teaching staff of the college. The academic calendar includes: i) Dates for First Term and Second Term ii) Includes dates of Winter Vacations and Summer vacations iii) Last date of Admission iv) Time Period for conducting examinations for odd and even semesters (institutional) v) Holidays (National level holidays, state level holidays, local holidays and institutional holidays) vi) Time Period for conducting examinations for odd and even semesters (University) vii) Dates for events and activities have been mentioned viii) Tentative dates for NSS foundation day and various activities related to NSS ix) Dates for days to be celebrated have been mentioned for example Teachers day, Women's day etc. x) Tentative dates of Parent teachers meet and Alumni meet. Thus the institution attempts to chalk out the yearly calendar to channelize with the University and synchronized with all the stakeholders.

#### 2.6 – Student Performance and Learning Outcomes

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

<http://www.kzsscollege.edu.in/performance-outcome/>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
PCom	BSc	PCom	11	11	100
PCM	BSc	PCM	29	29	100
CBZ	BSc	CBZ	35	35	100

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**2.7 – Student Satisfaction Survey**

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

<https://forms.gle/XR2H4qiMEAAplbu78>

### **CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION**

**3.1 – Resource Mobilization for Research**

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Industry sponsored Projects	720	JSW Steel Industry, Kalmeshwar and Nishant Solar Tech, Nagpur	2.34	0

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**3.2 – Innovation Ecosystem**

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
NIL	NIL	

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Best Poster Presentation award	Dr. M. P. Thakre	Loyola College Chennai in association with ICAR, Benguluru	13/02/2020	Poster Presentation
First Prize in National Conference	Dr. S. S. Charjan	S. K. porwal College of Arts, Science and Commerce College,	21/12/2019	Oral Presentation (Teacher)

Kamptee in  
association  
with ISCAS,  
Jammu

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nil	Nil	Nil	Nil	Nil
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
00	00	00

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

Name of the Department	Number of PhD's Awarded
Library and Information Science	2

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Physics	2	4.6
National	Chemistry	1	6.3
National	Zoology	2	Nil
National	Library and Information Science	2	Nil
International	Physics	2	3.5
International	Chemistry	1	Nil
International	Mathematics	1	Nil
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
00	Nil
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Retension and	Dr. A. P. Ganorkar	Journal of Alochana	2020	Nil	K. Z. S. Science College, K	Nil

Reusable capacities of Adipamide based Copolymer against some toxic metal ions by batch equilibrium technique.		Chakra			almeshwar, Nagpur, India	
Use of Communication Technology: A case study	Dr. V. S. Borkar	Our Heritage	2019	Nil	K. Z. S. Science College, Kalmeshwar, Nagpur, India	Nil
Online Services of Maharashtra Government Portal	Dr. V. S. Borkar	Our Heritage	2019	Nil	K. Z. S. Science College, Kalmeshwar, Nagpur, India	Nil
Bianchi Type I Bulk Viscous Fluid String Dust Magnetized Cosmological Model with A - Term in Bimetric Theory of Gravitation.	S. S. Charjan	International Journal of Scientific Research in Mathematical and Statistical Sciences	2019	Nil	K. Z. S. Science College, Kalmeshwar, Nagpur, India	Nil
Localization of neuropeptide gamma amino butyric acid (GABA) immunoreactivity in the suboesophageal ganglion (SOG) of Antheraea mylitta	M. P. Thakre	Journal of Entomology and Zoology Study	2019	Nil	K. Z. S. Science College, Kalmeshwar, Nagpur, India	Nil

Effect of $\gamma$ -radiation on TL, ESR and evaluation of trapping parameters of $K_2Ca(SO_4)_2:X$ (X Dy or Eu) phosphors	S. C. Gedam	Radiation Effects and Defects in Solids	2019	1.65	K. Z. S. Science College, Kalmeshwar, Nagpur, India	Nil
Dielectric study of polyaniline in the low frequency range at room temperature and 70 °C respectively	A.H. Rangari, U. B. Mahatme	Mukt Shabd Journal	2020	Nil	K. Z. S. Science College, Kalmeshwar, Nagpur, India	Nil
Butterfly Diversity in and around Ramtek Gadmandir forest area, central india.	M. P. Thakre	Journal of Entomology and Zoology Study	2019	Nil	K. Z. S. Science College, Kalmeshwar, Nagpur, India	Nil
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### 3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
00	00	00	Nil	Nil	Nil	00
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### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	7	20	17	7
Presented papers	6	9	Nil	Nil
Resource persons	Nil	Nil	1	Nil

**3.4 – Extension Activities**

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Dr. HOMI BHABHA 110th BIRTH ANNIVERSARY	NSS	5	50
BLOOD DONATION CAMP	NSS	2	31
PLASTIC MUKTA AND SWACHYATA PLEDGE	NSS	13	200
MATADAN JANGAGRUTI	NSS	13	200
SAVIDHAN WEEK CELEBRATION	NSS	13	200
LOKSHAHI PANDHARWADA	NSS	13	200
SPECIAL CAMP	NSS	3	50
NATIONAL GIRL CHILD DAY CELEBRATION	NSS	1	20
TREE PLANTATION	NSS	5	50
INTERNATIONAL YOGA DAY : 21 JUN 2019	NSS	3	200

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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
00	00	00	Nil
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
-----	KZS Sci. College	Doorstep Teaching	2	10
Swachh Bharat	Government Organisations	Waste Management	2	71
-----	CSBR, RTM Nagpur University,	Sericulture and Apiculture Technology For	2	88

Nagpur

Farmers

[View File](#)**3.5 – Collaborations**

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

Nature of activity	Participant	Source of financial support	Duration
00	00	00	00
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
MoU with CSBR	Training and education	CSBR, RTM Nagpur University, Nagpur	01/01/2020	31/12/2020	88
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
SANKALP SHIKSHAN SANSTHA, NAGPUR (Associated with CIM India)	10/08/2019	Sankalp Shikshan sanstha and KZS Science College will work together and co-operate with each other for--- 1. To provide and conducting courses, career guidance to the students. 2. To conduct workshop/co nferences for the students. 3. To use intellectu	100
CSBR, RTM Nagpur University, Nagpur	01/01/2020	Recognizing the mutual interest in the fields of apiculture and sericulture research, development, education, training transfer of technology and extension for the	88



		benefits of students and rural sector people. Activities: One day workshop was taken	
UNIVERSAL BIOTECH LABORATORY AND IRIS AGRO FARMS, KALMESHWAR	01/01/2020	Universal Biotech Co. manufacturing the organic Agriculture input and also having their own soil, water and micro nutrient testing laboratory. Recognizing the mutual interest in the field of agriculture research, development, education and understand	36
<a href="#">View File</a>			

#### CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

##### 4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
0	7.34

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

[View File](#)

##### 4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
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Libman masters soft	Partially	Cloud base 1.0	2019
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#### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	2046	316269	85	16264	2131	332533
Reference Books	2047	779053	30	15799	2077	794852
Library Automation	Nil	Nil	1	17700	1	17700
e-Books	156	Nil	Nil	Nil	156	Nil

[View File](#)

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Nil	00	Nil	Nil

No file uploaded.

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	48	21	0	0	0	5	15	0	7
Added	0	0	0	0	0	0	0	0	0
Total	48	21	0	0	0	5	15	0	7

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

20 MBPS/ GBPS
---------------

##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Nil	Nil

#### 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
3.12	3.03	2.62	2.66

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

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

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

**Library** Proper ventilation is done so as to maintain dry environment near book shelves. Regular dusting and cleaning is done by using vacuum cleaners .Pest control is carried out so as to increase the life of valuables resources of library. Furniture are repaired as per the requirement centrally. Book binding is frequently carried as per requirement. Library is kept open in long vacations for the benefits of the students. Library is with one specious reading room for the students. In average, 25 to 30 students are utilizing the library and reading room. The manual book transaction through computer system is available for the students and staff. Computers/ ICT/DLP Regular up gradation is carried out for computers hardware/software. One software/hardware technician is hired on annual contract basis (AMC) to maintain, repair and extend the computers, DLPs and Internet BB/wi-fi service. All the departments / laboratories including office have updated computers and printers with internet connections of UL\_20Mbps\_M / BSNL broadband (BBVPN NME 2Mbps) service.

Available computers are distributed in departments, office, and library, and for administrative work, as per the requirement and load of the work. Computers are connected through LAN and internet facility. Computers are provided with upgraded antivirus. Classrooms Specious classrooms with norms are available as per student’s intake capacity. Daily cleaning of classrooms has done by class four staff of college. All the classrooms are facilitated with DL projectors and online (internet) service (using dongles) for effective teaching - learning process.

**Sport** The specious Indoor Stadium including bat-Minton court, volley ball court, and playground including running track - 200m, short-put sector, jumping pit , double bar - single bar, volley ball ground, kabaddi ground, cricket pitch, and gymnasium, all these are under maintenance by calling respective service mans as

<http://www.kzsscollege.edu.in/infrastructure-area/>

## **CRITERION V – STUDENT SUPPORT AND PROGRESSION**

### **5.1 – Student Support**

#### **5.1.1 – Scholarships and Financial Support**

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	00	0	0

<b>Financial Support from Other Sources</b>			
a) National	Scholarship for OBC, SC, ST, VJNT, SBC, EBC	225	717431
b) International	00	Nil	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Remedial coaching	05/08/2019	339	Institution Level
Yoga and Meditation	21/06/2019	14	Institution Level
Personal Counselling and Mentoring	17/09/2019	274	Institution Level
<a href="#">View File</a>			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Career Counselling Guidance Cell	27	27	Nil	Nil
No file uploaded.					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nil	Nil	Nil

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Jindal Steel Work. KALMESHWAR	100	16	Nil	Nil	Nil
No file uploaded.					

### 5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	22	Bachelor of Science	KZS SCI. COLLEGE, BRAMHANI, KALMESHWAR	Nabira M.V.Katol, Mohata Science College, Nagpur, S.F.S. College, Nagpur, Shivaji Science Nagpur, Dr. Ambedkar College, Nagpur, Datta Meghe Institute of Management Nagpur, Bhalerao Science College, Saoner, Tirpude Coll ege-Nagpur, S.K. Porwal Colle	M. Sc. and M. B. A.
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### 5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
Nil	Nil
No file uploaded.	

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

Activity	Level	Number of Participants
Cultural activities	Institution level	101
SPORTS	University level	61
SPORTS	Institution level	250
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## 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
------	-------------------------	------------------------	-----------------------------	-------------------------------	-------------------	---------------------

2019	Westzone Interuniversity Championship 2018 First Place Gold Cash Prize -5000/-	National	1	Nil	20152709 0310704032 5	Ku.Vaishnavi S. Dhobale
<a href="#">View File</a>						

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

Student Council and representation of students per academic Session 2019 - 2020 committees of the institution Level. The college establishes student council as per Maharashtra university act and direction no.5 of 1996 regarding to student council of affiliated college as per section 40(6) A) Selection: As per university act the student council is formed. Students are nominated for each class who have shown academic merit in the examination held in the preceding year and who are full time students in the college. B) Constitution i) The student council consist of Principal as a Chairman ii) one senior lecturer. iii) NSS programme officer iv) one Class representative student v) Director of physical education vi) Student from sport, NSS, Cultural activity, General secretary is elected as per the university guideline. One student representative is elected as secretary. i) The council encourage students to participate in various activities conducted by the institution ii) The council bring forth the problem and short out them. iii) The council major role the planning and execution of curricular and extracurricular activities D) Funding are provided by the college. As per guideline given by principal, following committee for the Student Council has been formed in institution level for the session 2019-2020 S.N. Name of the member Category Designation 01 Dr. A. K. Tikhe Principal Chairman 02 Dr. S . C. Gedam Sr. Teacher Student Council In charge 03 Dr.A.M. Shrirame NSS Program Officer Member 04 Dr. G. L. Makkasare Sport Teacher Member 05 Ku.Nayana Wankhede Class Representative III Chairman , Student Council 06 Ku. Vaishnavi Yasatwar Cultural Representative Secretary , Student Council 07 Ku.Durga Pande Class Representative I Member 08 Ku.Ishwari Dewase Class Representative II Member 09 Mr.Mayur Pawar Sport Representative Member 10 Ku.Rashika Makode NSS Representative Girls Member 11 Mr.Gaurav Mankar NSS Representative Boys Member

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

192

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni meeting was organized on 01-01-2020 at K.Z.S. Science College Bramhni-Kalmeshwar at 11 am. on this occasion Principal of the college Dr. A. K. Tikhe, Dr. U.B. Mahatme Head, Dept. of Physics., Dr. A.P. Ganorkar, Head Dept. of Chemistry, Coordinator of Student Alumni Dr. S.S. Charjan ex-students were

present. Introductory speech was delivered by Dr. S. S. Charjan .Initially, in charge of student alumni Mr. S. S. Charjan welcomed all in the programme. Thereafter floral welcome of all the ex- student is done by Principal Dr.Tikhe sir, by offering a bouquet. In this meeting following subjects were discussed. Subject 1: Registration of Alumni Association at Assistant Charity Commissioner Office, Nagpur. Initially Co-coordinator of student alumni Dr. S. S. Charjan informed that every year we organize alumni meeting, and we conduct activities like guest lecture for the college students for the preparation of Competitive Examinations and others. According to the guidelines of NAAC, our alumni should be registered. All the students took part in the discussion and finally new alumni is formed and decided to register it at Assistant Charity Commissioner office , Nagpur. It is as follows Sr No Full name and Address Designation 1 Mr.KailashSakharamLokhande, Plot No. 37, Kranti Surya Nagar, Katol Road, Nagpur 440013 President 2 Mr.KuldeepVasantraoBhongade, At. Gumthala Post. Uparwahi Tal. Kalmeshwar Dist. Nagpur 441501 Vice-President 3 Dr. Aparna H. Rangari, Plot No 63, Dinprajahit Society, Narendra Nagar, Nagpur 440015 Secretary 4 Dr. LalitaLaxmanraoSawarkar, 450/BLD No. 10/Quarter No. 438, Police Line, Katol Road, Nagpur 440013 Treasurer 5 Mr. Sachin AshokraoIngale, Ward No. 5, Behind PWS College, Bramhani-Kalmeshwar 441501 Member 6 Mr.AkashkailashraoLakshane, F10, Vidrabha Premier Coloney, Bank of Maharashtra KalmeshwarDistt. Nagpur441501 Member 7 Mr GunvantaRamajiChimote, Om Nivas Ward No. 9, Chandurkarpura, Kalmeshwar Dist. Nagpur 441501 Member 8 Mr. Rajesh PrakashraoZade, Ward No. 9, Near Bus stand, Kalmeshwar 441501 Member 9 Mr.MangeshGangadharRaut,Ward No.2, WathiPul, Kalmeshwar Dist. Nagpur 441501 Member Subject 2: Guidance from Alumni to our existing college students. In this meeting it is decided that the guest lectures of our Alumni should be organized. Subject 3:To conduct English speaking classes in the college. Principal Dr.A.K. Tikhe informed that for good fluency in English, English Speaking classes should be organized in the college. After discussion with all alumni it is decided that our alumni Mr.Kuldeep Vasantrao Bhongade will conduct English speaking classes for the college students from this academic session. Other issues were discussed In the Presidential speech Principal Dr.A.K. Tikhe requested all ex-students to co-operate for the development of the college. At last in charge of PTM Dr.S.C.Charjan proposed vote of thanks and meeting was ended with a snacks and tea offered to all invitees.

## **CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 – Institutional Vision and Leadership**

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The decentralized pattern of organisation mandates leadership and key roles at different rungs of the ladder and hence the management promotes second rung leadership along with the first rung consisting of senior faculty members and specialists. The various committees are headed by senior faculty member as co-ordinator and other teachers. The senior and experienced staff of the institution leads and paves to the future path to the younger faculty. The IQAC is at the centre of all academic extracurricular activities of the college and acts a catalyst between principal and the management. The management of college is the leading governing body which decides various functions in the institute for the academic session. The policy decisions are framed and approved in College Development Committee (CDC) and IQAC. The principal is the ex-officio secretary of the CDC and also the Chairman of the IQAC. The CDC comprises the Chairman of the management, principal of the college, representatives of teaching non-teaching staff, IQAC Coordinator, professionals from industry and education and alumni. All the stake holders participate in the decision making process and the decisions are implemented by committee for the welfare and the development of the college. • One day workshop on Scientific Practical approach

for high school students of Kalmeshwar. Dr. Bhabha Vidnyan Lokshikshan Sanstha and K. Z. S. Science College Bramhani-Kalmeshwar organized one day workshop on scientific practical approach for high school students from various schools of Kalmeshwar on 24-12-2019. The objective of the workshop is to develop scientific approach through practical method. The workshop scheduled in two sessions. In the first session Dr. U. B. Mahatme delivered lecture on "Light and Medium" and Dr. A.N. Darvekar threw light on "Blood group detection". In the second session Dr. A. R. Bijwe explained the basic concept of Chemistry using practical method, Dr. A. M. Shrirame explained "practical skill development" and Miss B. R. Warulkar delivered lecture on "power point presentation". Main objective of this workshop is to motivate students and buildup interest in science stream. • Workshop on Sericulture and Apiculture for Farmers, Teachers and Students One day workshop on 'Sericulture and Apiculture Techniques' was organized in K. Z. S. Science College , Bramhani-Kalmeshwar in collaboration with Centre for Sericulture and Biological Pest management Centre, R.T.M.N.U, Nagpur on 1st March 2020. The programme was inaugurated by Dr. M. M. Rai, Director, C.S.B.R., R. T. M. N.U. The workshop was presided over by shri P. R. Shrikhande while Mr. N. K. Shrikhande, Mr. B.R. Sonule and principal Dr. A. K. Tikhe were chief guests. Invited guests Dr. B. S. Rahile, Associate professor, Department of Zoology, Science College Pauni, explained about 'Apiculture techniques: The Honey bees and pollination, a boon for farmers'. In Second technical session Dr. Vijay D. Raut explained about "Moriculture and nurturing Mulberry silkworm techniques". Eighty-eight (88) farmers registered for the workshop from and around Kalmeshwar. Students of short term course in Apiculture, Diploma in Sericulture, M.Sc. Project students actively participated.

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

Partial

## 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	The college follows the R.T.M. Nagpur University schedule for the process of admission which includes publishing merit list considering policy of reservations. All the necessary information about the courses available, eligibility criteria, fees structure, scholarships and free ships available, teaching faculties, sports and other facilities, etc. are published in college prospectus. Moreover, taking the rural background of the students in consideration, students are supported through counselling and other required assistance throughout the admission process.
Industry Interaction / Collaboration	This year Industrial visit was organized on 27 - 01-2020 by Chemistry Department at Universal Agro Limited MIDC, Kalmeshwar in which 32 students along with four faculty members visited.



Human Resource Management	<p>Vacant post are filled as and when required taking into consideration the student strength and the work load. In this academic session the permission has been granted for three teaching posts from Deputy Registrar College section on 26-02-2019 and no objection certificate is received from Joint Director Higher Education, Nagpur on 08-03-2019. Advertisement for the recruitment of teachers is published on 16-05-2019 in daily newspapers Loksatta, Lokmat, Indian Express. Interviews were conducted in the presence of subject experts and Joint Director. Teachers are recruited as per UGC and government norms.</p>
Library, ICT and Physical Infrastructure / Instrumentation	<p>The Library is regularly updated and upgraded both in terms of its ICT-enabled functioning and computerization. In this academic session new software "Library Management system" is installed in the library from Master Soft ERP Solutions Pvt. Ltd.,1456-A Nagpur. Books worth Rs. 32,063 are purchased in this session. ICT facilities are available for students in college. Computer laboratory is well maintained with internet facilities. College has ICT enabled classrooms, DLP facility. The college provides huge playground along with gym facility to student as well as other stake holders. The college also has well equipped laboratories. The development of infrastructure is under progress.</p>
Research and Development	<p>Institute encourages teachers to develop research culture. Many research papers find their place in renowned journals. The college has one research laboratory, well maintained library. Seven faculty members are recognized as supervisors in their respective subjects. Faculty members published their research papers in international, national journals and attend seminar, conferences.</p>
Examination and Evaluation	<p>Continuous evaluation process adopted by each department using different evaluative methods like unit test, common test, student presentations are taken in each subject to prepare and assess the performance of students. At the end of semester the examination is conducted by the university. Student performance is evaluated with the help</p>

	of using test practical and assignment at college level.
Teaching and Learning	Every year at the beginning of the academic session the institute prepares academic calendar comprising of starting and concluding of session along with schedule of various examinations. The quality teaching imparts through its infrastructure which includes ICT classrooms and laboratories. The yearly planning is maintained by every faculty member for the quality improvement. Most of the faculty members use ICT as teaching aids. The faculty members often attend Faculty Development Programmes such as Refresher Courses, Orientation Courses and short term Training Programmes to update their knowledge. The Institute encourages the faculties to participate and present papers in Seminar, conferences and workshops. College organizes student seminars, field visits including industrial visits, educational tours, guest lectures etc.
Curriculum Development	The curriculum developed by R. T. M. Nagpur University is implemented by the college as it is affiliated to this University. Although the curriculum is developed by the University, the college takes a lot of initiatives at its level to effectively implement it. The college started four Certificate courses in this year. The faculty members adopt various means to make the given curriculum interesting to the learners. In that sense they try to adopt the prescribed curriculum by using ICT tools such as power point presentation, seminar, guest lectures by renowned faculties and professionals. Students are made expertise through activities such as seminars, group discussions and assignments.

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

E-governance area	Details
Planning and Development	Academic session is planned through academic calendar, which consist of detail information about commencing of session, internal examination, college activities, events, etc. are displayed on college website. Students are also informed about the dates of new session commencement and registration for the session through messages on their

	mobile phones and e-mails. Various circulars, notices etc. from UGC, Joint Directorate of higher Education, RTMNU etc. are made available online.
Administration	Biometric attendance facility is available in the college for staff. Invitation regarding programmes are conveyed to staff and students through mobile and email. University administration work related to Local Enquiry Committees, appointments, placements, etc. are done online. In addition reports of MIS, AISHE are submitted using e-governance.
Finance and Accounts	Salary of all teaching and nonteaching staff is calculated by using Sevarth software.
Student Admission and Support	Maintaining student's database through MS Office. Enrolment of students is done online using University software.
Examination	Submission of examination forms, uploading of Internal, Practical, and Incentive marks for sports and NSS activities etc. on university portal is done online.

### 6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Nil	Nil	Nil	Nil
No file uploaded.				

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	Introduction of Google Meet	-----	15/01/2020	15/01/2020	8	Nil
2020	-----	Google Drive PDF making	18/02/2020	18/02/2020	Nil	4

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Orientation course	1	04/06/2020	01/07/2020	28
Refresher course	1	10/10/2019	23/10/2019	14
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
3	3	Nil	Nil

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Pensions , GPF and LIC. MOU with Madhuganga Nagri Pat Sahakari Sanstha Mohpa for personal loan as well as housing loan for all teaching faculties.	Pensions,GPF and LIC MOU with Madhuganga Nagri Pat Sahakari Sanstha Mohpa for personal loan as well as housing loan for all Non-teaching faculties.	Students' Welfare fund, counselling of students for their better upliftment, Memorial prizes are given to meritorious students from sanstha, GOI scholarship.

**6.4 – Financial Management and Resource Mobilization**

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

College prepares the annual budget of each department and financial allocation is done for the recurring and non- recurring items. The management deputes a team of internal auditors that verify voucher of the transactions, scholarship transaction and any other financial matters for each financial year. The external audit is carried out by approved Chartered Accountant (Kamat and Durugkar Co., Nagpur). CA verifies and certifies the entire income and expenditure and the capital expenditure of the college for each financial year.
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6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Dr. BhabhaVidnyanLokshikshan Sanstha, Kalmeshwar	607000	Computer Lecturers salary and Installation of Solar Panel
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

607000
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**6.5 – Internal Quality Assurance System**

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	--	Yes	IQAC
Administrative	No	--	Yes	CDC

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

In this session Parent Teacher Association meeting was organized in the college on 25th January 2020. In this meeting various aspects regarding progress, attendance of the students, sports activities and other facilities were discussed. Suggestions for improvement were collected from the parents on the various aspects. After discussion on various issues the following things were agreed upon :

- Providing suggestions for overall development of the students.
- Job oriented courses to be implemented by the college
- Playground should be developed

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

- HOD and subject teacher gives the information to the supporting staff about the new experiment.
- Subject teacher guides laboratory attendants regarding handling of the new instrument and safety measures time to time.

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

- In this academic session construction of Women's Hostel is completed.
- Construction of Indoor stadium is completed.
- Three Teachers are recruited in the academic session 2019-20

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Workshop on practical skill development for high school students	25/06/2019	24/12/2019	24/12/2019	73
2020	Blood donation camp	25/06/2019	28/02/2020	28/02/2020	31
2019	Tree plantation in college premises and in adopted village: Waroda	25/06/2019	07/08/2019	07/08/2019	160
2020	Workshop	25/06/2019	01/03/2020	01/03/2020	88

	on Sericulture and Apiculture for Farmers and Students				
Nil	Constitution Commitment Programme	25/06/2019	24/11/2019	24/11/2019	130
<a href="#">View File</a>					

## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
One day college level workshop for sexual harassment	24/08/2019	24/08/2019	143	Nil
Elocution competition for girls on occasion of women day	07/03/2020	07/03/2020	70	Nil

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

Percentage of power requirement of the University met by the renewable energy sources
1 Installation of 8 KW grid solar power system panel on the college roof top. 2 Tree Plantation in college premises and in Waroda (adopted village) by NSS unit of the college.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	Nil
Rest Rooms	Yes	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	Nil	1	28/09/2019	1	Eye donation	Awareness	15

					to Madhav Eye Bank, Nagpur (Bapurao Ramaji Langade	to organ donation	
2019	Nil	1	28/09/2019	1	Body donation to Indira Gandhi Medical College Nagpur by (Bapurao Ramaji Langade )	Awareness to body donation	15
2019	Nil	1	24/11/2019	1	Constitution Commitment program	Introduction and awareness of our constitution	130
2019	Nil	1	24/12/2019	1	One day workshop on practical scientific approach Lecture for 9th class students	Interest building among science students	73
2020	Nil	1	08/01/2020	1	One day workshop on women Disease	Awareness to common Disease in women	30
2020	Nil	1	29/06/2020	1	One day National webinar on smart tools for enhancing the teaching learning	Knowledge about for teaching and learning tools	812
<a href="#">View File</a>							

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

Title	Date of publication	Follow up(max 100 words)
Published in college prospectus and on website	16/06/2019	A code of conduct for students is illustrated in the college prospectus and for teaching and non-

## 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Celebration of Independence Day	15/08/2019	15/08/2019	200
Birth anniversary of Mahatma Gandhi	02/10/2019	02/10/2019	150
Maharashtra Reading Day (Dr. A. P. J. Abdul Kalam Jayanti )	15/10/2019	15/10/2019	160
Global Hand wash Day	15/10/2019	15/10/2019	55
Dr. Homi Jehangir Bhabha Jayanti 110 Birth Anniversary	30/10/2019	30/10/2019	88
Sanvidhan Diwas (Constitution Day)	26/11/2019	26/11/2019	70
Savitribai fule Jayanti	03/01/2020	03/01/2020	200
National Youth day Swami Vivekananda Jayanti	12/01/2020	12/01/2020	135
National Science day	28/02/2020	28/02/2020	150
International Yoga Day.	21/06/2019	21/06/2019	25

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

1) Tree plantation in campus area. 2) Plastic free campus and recycling of waste 3) Setup compost peat for recycling organic waste 4) Students are motivated to use bicycle for conveyance. 5) Installation of solar panel on the college building and solar lamp in college premises

## 7.2 – Best Practices

## 7.2.1 – Describe at least two institutional best practices

**Best practice 01: Physical training for various armed forces (PTVAF) • Content**  
 • Goal • The context • Implantation • Problem encountered and resources required • Evidence of success • Table of success story  
**Introduction:** College has provided playground facility to the youth for physical exercise as well as for special training for various armed forces jobs. Goal ? The basis for planning the training programme for candidates appearing for competitive exams is to meet the changing needs of time. ? To motivate learners to improve their wellbeing and make them physically fit to take on different challenges. ? To boost students confidence and success in everyday life. The context ? There is no training center in the surrounding area for this form of operation. ? By introducing them to a training programme called physical training for different armed forces, the college provides them with a special corridor to demonstrate their results. ? The management and the principal agreed to make it possible by



providing the student sufficient position and special training equipment. ? A member of the sports faculty and a teacher are assigned to train the students and have specific knowledge of the physical fitness programme. Implementation ? Students are asked to register their names with each member of the faculty. ? The morning and evening time slots are organized for training sessions. ? The faculty member develops the fitness curriculum according to the need for the jobs. ? For students to get unique enhancement in their body, various athletics competitions are arranged. ? Fitness is this training programmes main motto.

Other interested students are also active in making it fit. Problems encountered and resources required ? Catastrophic failures can hamper learning like rain. ? To get educated, it is very difficult to manage all age group candidates. ? Insufficient diet often poses risks to the applicant in order to get full training and fitness. ? Holding a daily diet schedule for not all candidates Evidence of success ? A significant number of students have worked successfully and are serving the government. Students have served in the CRPF, Army, CBI, Police Department, etc. to date. ? Student participation in physical fitness for different armed forces has grown tremendously. Sr Year No. of Students enrol. No. of Student Post Force 1 2016-17 35 03 Police City/ Rural / police/SRPF/ 2 2017-18 25 06 Police City/ Rural / police/SRPF/ 3 2018-19 20 04 police City/ Rural / police/SRPF/ 4 2019-20 30 01 Security guard Management Information Security Forum Best Practice: 02 Study Improvement Program for Slum

Area Student (SIP-SAS) CONTENTS • Introduction • Goal • The Context •

Implementation • Problems encountered and Resources required • Evidence of Success INTRODUCTION The Principal of College observed that some students from area nearby college at Aadarsh Nagar were lagging behind in Studies of formal education Std. 8 to 10. It was decided to arrange some special classes for students. The College approached to the NGO called Bridge of Hope gave details about the theme of the project. The Principal mesmerized by the theme and gave permission to the implement it. GOAL ? The main objective of the college is to enhance the interest of slum area students in studies. ? The basis for creating a students identity is to fulfil the changing needs of the moment. ? To bring about huge improvements in students understanding of science and mathematics. ? To inspire learners to read and understand Science and Mathematics books. ? To boost the students confidence and success in everyday life for study phobia.

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

IMPLEMENTATION ? The Bridge of Hope (NGO) has registered students. ? Enrolled students are eligible to attend engagement sessions and courses. ? The college students develop a special curriculum for the student in the slum area who has a specific syllabus. ? General Mathematics, General Science and English Special Tutorials are part of the syllabus. ? The college offers three students twice a week to provide special coaching to students in the slum area for unique subjects. PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED ? It is tedious at first to create the atmosphere for the programme in the slum area. ? Its really hard to make them realise the value of learning in their lives, or they go to work for their families to earn. ? Students never ever think about overall personality growth. They have decent dressing sense but no language sense.

EVIDENCE OF SUCCESS ? Student involvement in the curriculum has been enormously improved. ? Participation in the SSC Board Review has also increased due to this activity. ? Students also passed the SSC Board test. TABLE OF SUCCESS

STORY Study Improvement Program for Slum Area Student (SIP-SAS) Sr Year No. of Student Pass examination (SSC) 1 2018-19 5 1 2 2019-20 10 6

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

<http://www.kzsscollege.edu.in/best-practices/>

### 7.3 – Institutional Distinctiveness

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

The institution and parent institution, Dr. Bhabha vidnyan lokshishan sanstha's goal clearly states to promote science education among rural students The college has been performing well in the following distinctive areas. • The college is located in the rural area and has been offering co-education in the science faculty since 1992. • All faculties are Doctorate (Ph.D.) • Highly qualified and dedicated faculty imparts and guides to Ph.D. 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 16 years. • Well-maintained infrastructure, well-equipped Laboratories. • Career guidance and counseling Cell organizes useful and inspiring guest lectures, provides coaching, and also online competitive examination in the form MCQ. • Boys and also girls students have excellent performance in the sports at university level • NSS unit organizes extra-curricular activities and develop Holistic morality in NSS volunteers. • The college campus is under the CCTV surveillance. • Women cell organized programs on women's emancipation and empowerment. • During the curriculum delivery, the college organizes many extra and co-curricular activities. The college staff and other personalities have sponsored cash prizes for meritorious students, which act as an incentive for students to excel in exams and motivate them to do better. • A huge playground with 200 meter track lane, well-equipped Gym. and indoor stadium is available for physical development of students. • ICT facilities for teaching and learning process. In addition to wired LAN, the whole campus is made Wi-Fi enabled to students and faculty to access internet.. • College Central Library is well equipped with Text/Reference Books, Periodicals and Journals. Books issue and return by LMS LIBMAN Masters software. • Every departments organize seminar and workshops for the development of students' skills. • College NSS unit is active in order to imbibe strong Social values in our students

Provide the weblink of the institution

<http://www.kzsscollege.edu.in/about-us/>

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

Academic: • College run 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 academic weak students. • Use of more ICT Tools for academic development. • To sign MoU s with different organizations. • To arrange guest lectures, seminars, workshops with the help of resource persons. • Recruitment of more faculty. Research Extension: • Promotion of Research Culture among faculty. • Encourage faculty for Research Journal Publication. • Initiative for National International Linkage. Infrastructure: • Installation of CCTV camera. • Improvement and augmentation infrastructure at first floor. • Playground development. • Beautification of garden. • Development and installation of water harvesting system. Learning Resource: • Improvement and Extension of Library facility. • Development of smart classrooms. Student Progression: • Facilitating support services through activation of career guidance and counselling cell. • Coaching for competitive examinations. • Planning specific programme to aware students to join Indian Defence Services. • Organization of Seminars/Workshop for entrepreneurship development among students. • Improvement of Teacher-Student ratio for better Academic Development.

Innovative Practices: • To strengthen Parent-Teacher Association and Alumni Association activities. • Academic Counselling. • Teachers Performance Appraisal. Institutional Commitment towards community: •To organize medical and blood donation camp. • To organizes superstition eradication programme for mass. • To organize science based workshop for school students. • To organize community based services through NSS activity.