



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution		KAVIKULGURU INSTITUTE OF TECHNOLOGY AND SCIENCE, RAMTEK
Name of the head of the Institution		B. Ram Rathan Lal
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		07114-255309
Mobile no.		9975413330
Registered Email		principal@kits.edu
Alternate Email		info@kits.edu
Address		K K Nagar, Mouda Road,
City/Town		Ramtek
State/UT		Maharashtra
Pincode		441106

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr. Ravindra Kumar Bopche
Phone no/Alternate Phone no.	07114255309
Mobile no.	9422126957
Registered Email	kits.iqac@gmail.com
Alternate Email	bopche_ravindra@yahoo.com

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	http://www.kits.edu/iqac.aspx
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.kits.edu/NewsItem.aspx?Id=604

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B++	2.81	2018	02-Nov-2018	01-Nov-2023

6. Date of Establishment of IQAC	11-Jul-2017
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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
Placement	07-Aug-2018 39	226

University Ranks	25-Nov-2019 120	13
Blood Donation	30-Jan-2019 1	70
Gate Exam	19-Jul-2018 23	247
TEKNODEON (College Technical Student Fest)	21-Feb-2019 3	800
Swatch Bharat Abhiyan	02-Oct-2018 1	50
Tree Plantation	24-Jul-2018 1	80
Campus Recruitment Training	21-Jul-2018 16	128
Sports Conducted for Sport Club	02-Jan-2018 15	1096
Guest Lecture	21-Jul-2018 20	1690
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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
No Data Entered/Not Applicable!!!				
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

4

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

Yes

Upload the minutes of meeting and action taken report

[View File](#)

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

No

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

1. Faculty members are promoted to attend seminars/workshops and published research papers in conferences and renowned journals. 2. Encouraged the students to take active participation in technical and creative activities. 3. Student encouraged for social activities like Blood Donation, Swachh Bharat Abhiyan, Tree Plantation and Social Awareness under the banner of NSS / NCC. 4. Participation in NIRF

No Files Uploaded !!!

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
To provide smart classrooms to the Students	Each department is having smart classroom
To provide maximum possible placement to the students through the campus recruitment drives.	226 students got the placement out of 281 eligible students
To promote more number of faculty members to obtain Ph.D.	Two Ph.D. awarded to faculty members
To apply for the research projects from prestigious Govt. / Non Govt. organization.	Two research projects from BARC, Mumbai obtained by Civil Engg department
To get more number of testing and consultancy works.	Consultancy for bore well locations, material testing are conducted in different laboratories.
To boost Industry Institute interaction	Third party technical audit of construction and other work for Nagar Parishad Ramtek
BE final year projects for benefit to society.	28 Projects
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14. Whether AQAR was placed before statutory body ?

No

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

Yes

Date of Visit

17-Sep-2018

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission	17-Jan-2019
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

The Institute has well defined system for planning and effective implementation of the curriculum. As the Institute is being affiliated to Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur it adheres to the academics related guide lines issued by the University. The Planning Phase: Before the commencement of every semester, Principal conducts meeting with the Deans and Heads of the Departments (HOD's) to plan the academic activities. The academic calendar is planned well in advance. The planned academic calendar is disseminated among all stake holders. The faculty members prepares teaching schedule of their allotted subjects. Every faculty member prepares a subject file which contains syllabus of the subject, teaching scheme, teaching schedule, University examination question papers, list of text and reference books apart from subject notes file. To monitor the smooth conduct of the planned academic activities, every department has a academic coordinator. A class teacher is nominated to look after the regular class work activities. The academic coordinator and the class teacher assist the Head of the Department in smooth and effective conduct of the planned academic activity. The Implementation Phase: An orientation program is conducted for first year students on the first day of college in order to make them acquainted with the system of the Institute. The students are given information about the programs, the examination system and the evaluation process. The curriculum is delivered through theory and practical sessions. Faculty members are encouraged to adhere to the teaching schedule and adopt innovative teaching methods such as presentations, assignments, discussions, workshops and seminars apart from regular lectures. Special classes are conducted for students taking admission directly to second year to cover the curriculum so as to compensate for the classes missed because of the delayed admission process. A separate mid sessional examination is conducted for lateral entry students. The academic performance of the students is evaluated on continuous basis by conducting two mid sessional examinations in each semester. The performance is also judged through class tests, surprise tests and assignments. Based upon performance of the students in all these tests, academically weak students are identified and remedial classes are conducted for such slow learners. Academic performance in mid sessional examinations and attendance reports of the students are generated and communicated to the parents of all students. Faculty members also take feedback from the students through counseling on various issues like syllabus coverage, their opinion on curriculum delivery and difficulties faced. The feedback so obtained is analyzed and corrective measures are taken for effective implementation of curriculum. The HOD's conducts meeting frequently with academic coordinators to assess the syllabus coverage. The Principal have regular meetings with HOD's to assess the syllabus coverage to reframe the academic calendar if required. A brief report is prepared by the respective heads of the department on the results of the University examination. The report is discussed in the departmental meetings and in the meeting with the Principal to plan the remedial actions to be taken for improvement.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
Campus Recruitment Training (CRT)	NA	21/07/2018	27	Employability	Aptitude/Communication Skills
Spoken Tutorial Programme (STP)	NA	25/06/2018	28	Employability	Scilab, Arduino and Python Programming Skills
Go Programming	NA	08/09/2018	02	Employability	Go Programming knowledge
Angular JS	NA	28/07/2018	02	Employability	Programming ability of Angular JS

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
No file uploaded.		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
No Data Entered/Not Applicable !!!		

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

	Certificate	Diploma Course
Number of Students	428	0

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Code Tantra (C Programming)	11/06/2018	346
Code Tantra (Java Programming)	12/06/2018	201
Soft Skill Development	12/06/2018	480
Career Prospects Planning	13/06/2018	507
Campus Recruitment Training (CRT)	21/07/2018	128
Spoken Tutorial Programme	25/06/2018	227
Go Programming	08/09/2018	41

Angular JS	28/07/2018	32
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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
BE	Civil Engineering	160
BArch	B. Architecture	46
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
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>The Institute has devised a mechanism of Feedback. Feedback is taken from the stake holders of the Institute. It is taken in two ways i. e , in a formal and informal way. The two feedback mechanisms are explained below in details.</p> <p>Formal Feed Back Mechanism: A) From Students: Feedback is obtained from the students at end of each semester. Students of the ongoing academic session are supposed to answer two questionnaires. About the Institute and the subjects that studied in the ongoing academic session. Both the questionnaire are prepared by a committee headed by the IQAC. The questionnaire contains objective questions carrying weights. Questionnaire about the Institute contains questions regarding availability of equipments in the laboratories, library facilities, hostel and mess facilities and other amenities available in the campus. Questionnaire about the subject contains objective questions related to teaching methodology of the teacher, content delivery, communication skills, and students handling skills. The questionnaire is then evaluated and analyzed by the head of the concerned department. A detailed report based on analysis of the head of the department is then submitted to the IQAC. Subsequently, report along with the recommendations of the remedial actions is submitted to the Principal and Management. The IQAC ensures effective implementation of the remedial actions. B) From Parents: To ascertain the views and opinions of the parents, parent meets are arranged periodically. Detailed information about the parents meet is conveyed to the parents well in advance. The parents meeting will be attended by the Principal, IQAC Coordinator, Head of the departments, senior staff members. Parents can freely express their views, raise queries and doubts which are addressed by the Principal and documented at the time of meeting. A feedback questionnaire is obtained from parents evaluated and analyzed. The Principal reviews the report submitted by the IQAC Coordinator and ensures effective implementation of the remedial actions. C) From Alumni: The alumni of the Institute have always been very cooperative in giving suggestions, views and opinions. The Institute has a alumni cell which acts a link between the Institute and the alumni. The alumni cell organizes alumni meet in the Institute and provides a platform to the former students to express their views about the Institute. During the meet</p>

feedback from the former students is collected and analyzed. This feedback is then compiled and passed on to the IQAC for further action. In-Formal Feed Back Mechanism: A) From Students: The Institute has counseling system where in one faculty is associated with a group of students. The faculty acts a mentor/ counselor for each student of the group. All students meet the counselor once in a week as per the counseling slot in the time-table. Students share their difficulties and problem with the counselor. Counselors discuss the issues and the concerns of the students with the Head of the department. Issues related to the department are

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
BE	Civil Engineering	60	57	39
BE	Mechanical Engineering	120	77	58
BE	Electronics Engineering	60	5	3
BE	Electronics and Communication Engineering	60	7	6
BE	Electrical Engineering	60	48	30
BE	Computer Technology	120	108	97
BE	Information Technology	60	45	40
BE	B.Arch.	30	24	23

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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
2018	1861	0	138	2	140

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
140	122	13	8	7	15

[View File of ICT Tools and resources](#)

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

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

The Student mentoring system has been effectively practiced in the Institute since its inception. The main objective is to make students self confident and to motivate so that they can perform to their maximum potential in academics as well as cocurricular and extra curricular activities. A group of students are allotted to the each counselor. The counselors, who are the guardian teachers are usually faculty members of respective departments. One dedicated slot is provided in the timetable of every semester of each department. Counselors maintain the attendance register for the student present during the counseling session. Counselors maintain students' personal and academic profile for each semester. In student profile all the details such as academic progress, personal details are maintained. Results shows that the counseling practice in Institute has been effective in solving students academic and personal difficulties. Counselors encourage the students to participate in various cocurricular and extra curricular activities. The students discuss their problems related to studies, hostels, personal and social issues. Counselors help the students to resolve the issues and develop positive thinking ability. All counselors report to the head of department in case of critical issues. Progress report and attendance of students are sent to their parents after the first mid sessional examination. After the completion of their degree, each student will be issued transfer certificate indicating the character of student based on report of the respective counselor. In today's era of cut throat competition, student often suffer from stress and become depressed easily either for academic reasons or for any other personal problems. Many students have such low selfesteem that they find it difficult to attend classes or do their assignments, routine works after getting result as failure in university exams. Sometimes these sort of problems leads to depression, anxiety and addiction. To help the students in resolving their, issues, Institute has made efforts in the form of establishing individual counseling system, it provide intervention to the students, so that their social and emotional problems do not interface with their academic performances. The counseling system provides the moral support to student which has positive influence on the academic performance.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1861	140	13.29

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
176	140	36	5	22

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. A.V. Kolhe	Associate Professor	Vidya Bhushan by Jai Mahakali shikshan Santha , Agnihotri group of institution, Wardha
2019	Dr. M.R. Shukla	Associate Professor	Best paper award in International conference on ` Green energy for sustainable development2019
2019	Dr. S.K. Bhele	Associate Professor	Silver medal in

			NPTEL online certification by MHRD, India.
2019	Mr. M.K. Jaiswal	Assistant Professor	Best paper award in International conference on 'Green energy for sustainable development2019
2019	Dr. U. B. Hatwar	Assistant Professor	First position in paper presentation context in 3rd National conference on 'Advances in Engg. And applied science organized by Anjuman college of engg. And technology, sadar, Nagpur.
2019	Dr. R. Y. Bakale	Assistant Professor	Second position in paper presentation context in 3rd National conference on 'Advances in Engg. And applied science organized by Anjuman college of engg. And technology, sadar, Nagpur.
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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
BE	First Year	1st Sem.	12/12/2018	22/01/2019
BE	First Year	2nd Sem.	09/05/2019	26/06/2019
BE	Civil Engineering	3rd,5th,7th Sem.	30/11/2018	31/12/2018
BE	Civil Engineering	4th,6th,8th Sem.	11/05/2019	14/06/2019
BE	Mechanical Engineering	3rd,5th,7th Sem.	30/11/2018	31/12/2018
BE	Mechanical Engineering	4th,6th,8th Sem.	11/05/2019	14/06/2019
BE	Electronics Engineering	3rd,5th,7th Sem.	30/11/2018	31/12/2018

BE	Electronics Engineering	4th,6th,8th Sem.	11/05/2019	14/06/2019
BE	Electronics Communication Engineering	3rd,5th,7th Sem.	30/11/2018	31/12/2018
BE	Electronics Communication Engineering	4th,6th,8th Sem.	11/05/2019	14/06/2019
BE	Electrical Engineering	3rd,5th,7th Sem.	30/11/2018	31/12/2018
BE	Electrical Engineering	4th,6th,8th Sem.	11/05/2019	14/06/2019
BE	Computer Technology	3rd,5th,7th Sem.	11/05/2018	14/06/2018
BE	Computer Technology	4th,6th,8th Sem.	30/11/2019	31/12/2019
BE	Information Technology	3rd,5th,7th Sem.	11/05/2018	14/06/2018
BE	Information Technology	4th,6th,8th Sem.	30/11/2019	31/12/2019

[View File](#)

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

The internal examination component provides much scope for ensuring overall development of students. ? An academic schedule is prepared in the starting of every semester which comprises of commencement of class work, two mid sessional examination, internal practical, external practical and university examinations apart from last day of teaching for each semester. dates. ? First mid sessional examination question paper is set based on first three units whereas second mid sessional question paper is set on remaining three units for the syllabus of each subject. ? Question papers in mid sessional examination are set as per University examination pattern. ? Practical evaluation is done weekly and grades are assigned to each student based on performance and vivavoce. ? The performances of students in mid sessional examination are informed to parents via post and Short Message Services (SMS). ? Class room attendance is being monitored regularly by class teachers, academic coordinator and HOD's. ? Sessional marks are awarded to the students based on performance in first and second mid sessional examinations, assignments and class attendance. ? In each department, final year projects are evaluated continuously. Student maintain project diary ? To record their project progress, the major project diaries are checked by project supervisor/Guide and project evaluation committee on a regular basis. ? Reform in evaluation process is done by Internal Quality Assurance Cell (IQAC). ? Rules and regulations laid down by the University for regular examinations to be conducted for students in undergraduate as well as post graduate programs are strictly followed by the Institute.

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

Every year, the Institute come up with an academic schedule which is for effective and smooth running of the Institute. Academic Schedule: The University provides academic calendar for both odd and even semester in the beginning of every academic year. Based upon the University academic calendar the academic schedule of the Institute is prepared. The academic schedule of

each semester includes dates of : ? Commencement of class work and last teaching day ? First and Second Mid Sessional Examination ? The schedule for internal and external practical examinations for all semesters. ? University examination etc. Teaching Schedule and Implementation: ? Each faculty prepare teaching schedule of his/her subject before commencement of teaching in each semester. ? Teaching schedule include unitwise distribution of lectures along with proposed dates of teaching, list of recommended textbooks. ? The Teaching schedules are submitted to the Heads of the departments. ? A review meeting is held by the HODs at the end of every month to monitor effective the implementation of teaching schedule. ? Extra classes are conducted if required, to complete the syllabus. Assignments are given to the students, which are assessed periodically. ? Efforts are made to resolve difficulties in subjects and if necessary, expert lectures are conducted for the benefit of students. Evaluation Schedule: ? The mid sessional examination marks of students are displayed on notice board of respective departments. ? The internal assessment marks are allotted on the basis of performance in the mid sessional examinations, percentage of attendance and submission of assignments. ? The performance of the student is discussed in respective classes and due care is taken for slow learners. ? The internal assessment marks are shown to the students and submitted online to the University before final examinations.

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://kits.edu/Documents/Others/Index_CO_PO_%20Department.pdf,
http://kits.edu/Documents/Others/Program_Outcomes.pdf

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
BE	BE	Civil Engineering	83	78	93.97
BE	BE	Mechanical Engineering	131	121	92.36
BE	BE	Electronics Engineering	37	33	89.18
BE	BE	Electronics & Communication Engineering	48	40	83.33
BE	BE	Electrical Engineering	81	70	86.42
BE	BE	Computer Technology	82	79	96.34
BE	BE	Information Technology	45	43	95.56
BE	BArch	B.Architecture	30	26	86.67

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2.7 – Student Satisfaction Survey

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

http://www.kits.edu/Documents/naac/2_7_1_Student_Satisfaction_Survey.pdf

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
No Data Entered/Not Applicable !!!				
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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
Campus Recruitment Training (CRT)	T P Cell	15/07/2018
Guest Lecture on To enhance the cocurricular talents in the students	Civil Engineering	18/07/2018
Electromax Forum Inaugural Lecture	Electronics Communication Engg.	25/07/2018
Guest Lecture and Inauguration of MEA	Mechanical Engineering	27/07/2018
Workshop of Angular JS	Computer Technology	28/07/2018
Guest Lecture on Machine Learning and Data Mining	Computer Technology	31/07/2018
Expert Lecture on How to present a seminar?	Mechanical Engineering	29/08/2018
Guest Lecture on Cyber Security and Ethical Hacking	Computer Technology	01/09/2018
Workshop on Go Programming	Computer Technology	08/09/2018
Seminar on Construction Technology and Material	B.Architecture	22/09/2018
Seimnar on Innovation Entrepreneurship and Skill Development	Computer Technology	12/10/2018
Seminar on Recent Computing Trends	Computer Technology	18/12/2018
Seminar on Scope of Computing in Financial Industry	Computer Technology	04/01/2019
Seminar on Digital Marketing	Computer Technology	11/01/2019

A Interactive session on Mean Stack development and work culture in IT Industry	Computer Technology	12/01/2019
Interactive session on PHP and Team Management in an Industries	Computer Technology	12/01/2019
Seminar on Why GATE is important?	Mechanical Engineering	17/01/2019
Seminar on Robotics and Cloud Computing	Computer Technology	25/01/2019
Seminar on block chain and spring boot	Information Technology	28/01/2019
Interactive session on artificial intelligence, machine learning and deep learning	Computer Technology	01/02/2019
Interactive Session on Application of Computer Science in the Forest Management	Computer Technology	12/02/2019
One Day Workshop on Networking Technology	Information Technology	02/03/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
No Data Entered/Not Applicable !!!				
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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
No Data Entered/Not Applicable !!!					
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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
00	0

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Mechanical Engineering	5	0.48

International	Computer Technology	3	1.80
International	Electrical Engineering	2	3.81
International	Information Technology	5	00
International	Engineering Sciences and Humanities	3	2.14

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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
Civil Engineering	8
Mechanical Engineering	3
ESH	2

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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
Performance and analysis of solar hybrid drier	Mr. Y R Suple	International Journal of Engineering Science and Mathematics	2018	0	KITS Ramtek	0
Effect of CuO nanoparticle on rheological Behavior of ISO VG46, Jatropha oil and their aurl empered blend	Mr. D. C. Katpatal	Journal of Testing and evaluation	2018	0	KITS Ramtek	0
Design of coin sorting and counting machine	Mr. Nilesh Suraskar	Journal of emerging technologies and innovotive research	2018	0	KITS Ramtek	0
Impact of Distance Metrics on	Mr. V. P. Mahatme	International Journal	2018	1	KITS Ramtek	1

the Performance of K-Means and Fuzzy C-Means Clustering- An Approach to Assess Student`s Performance in E-Learning Environment		Advanced Research in Computer Science				
Privacy protection over encrypted MongoDB	Mr. B. A. Deshpande	International Journal of Engineering Science and Research Technology	2018	0	KITS Ramtek	0
A survey on mining high utility patterns in one phase	Ms. Shilpa Ghode	International Journal of Computing and Technology	2018	0	KITS Ramtek	0
Study of high utility pattern mining algorithms and compression of D2HUP and MAHUSP algorithms	Ms. Shilpa Ghode	Global Journal of Advanced Engineering Technologies and Sciences	2018	0	KITS Ramtek	0
Review of high utility pattern mining algorithms focused on memory utilization	Ms. Shilpa Ghode	International Journal of Engineering Research and Technology	2018	0	KITS Ramtek	0
Various cross platform application programming interfaces used in	Ms. Vashali Malekar	International Journal of Research and Development in Technology	2018	0	KITS Ramtek	0

cloud computing: A survey					
View File					

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
Viscosity Behavior and thermal conductivity Prediction of CuO-blend oil based Nano Blended Lubricant	Dr. D. C. Katpatal	Institute of Mechanical Engineers: Journal of Engineering Tribology	2018	0	1	KITS, Ramtek
Effect of CuO Nano Particals on Rheological Behavior of ISO VG46 Jatropa Oil, and Their Blends	Dr. D. C. Katpatal	Journal of Testing and Evaluation	2019	0	4	KITS, Ramtek
Device for Detecting Glucoma	Dr. M.B. Mawale	Biomedical Journal of Scientific Technical research Vol 14, Issue 1, feb 2019	2019	0	0	KITS, Ramtek
Rapid Prototyping Assisted fabrication of a Device for Medical Incision Therapy Using TRIZ	Dr. M. B. Mawale	journal of health and Technology vol no 9, Issue 2 pp 167-173	2019	0	0	KITS, Ramtek
Experimental Investigation of combustion	Dr. S. K. Bhele	Material study Proceedings, Vol 5	2019	0	0	KITS, Ramtek

characters of Jatrophadiiesel (JME) and its Diesel Blends for Gas Turbine combustor		issue 11 part 2, 2018 pages 23404-23412				
Encumbrance collating in cloud data center using Modified Active Monitoring Load Balancer	Mr. Sanjay Khajure	International journal of Computer Science and Engineering	2019	0	0	KITS, Ramtek
Privacy protection over encrypted MongoDB	Mr. B. A. Deshpande	International journal of Emerging Science and Research Technology	2019	0	0	KITS, Ramtek
Efficient Approach for View Selection for Data Warehouse Using Tree Mining and Evolutionary Computation	Mr. Atul Thakare	Computer Science Journal	2019	0	1	KITS, Ramtek
To Study Security challenges and vulnerabilities in Cloud Computing.	Mrs. Saroj A. Shambharkar	International Journal of Research in Advent technology	2019	0	0	KITS, Ramtek
Saarthi an Innovative Platform for Farmers to Get Yield in India	1. Mr. D. Anantha Reddy 2. Mr. Mohd. Jabeed Rihaz	International Journal of Computer Sciences and Engineering	2019	0	0	KITS, Ramtek

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	2	10	0	0
Presented papers	4	5	0	0
Resource persons	0	0	1	0
View File				

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
NCC Activities	NCC KITS Ramtek	125	500
NSS Activities	NSS KITS Ramtek	330	1850
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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
0	0	0	0
No file uploaded.			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
NCC	NCC KITS Ramtek	NCC activities	125	500
NSS	NSS KITS Ramtek	NSS Activities	330	1850
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Faculty Exchange	Student and Teacher	KITS, Ramtek	03
View File			

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab	Duration From	Duration To	Participant
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		with contact details			
Industry Institute Interaction	Industrial Training	Industries in Vidarbha Region	01/06/2018	31/05/2019	223
Industry Institute Interaction	Industrial Visit	Industries in Vidarbha Region	01/06/2018	31/05/2019	361
Industry Institute Interaction	Industrial Case Study	Industries in Vidarbha Region	01/06/2018	31/05/2019	121
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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
No Data Entered/Not Applicable !!!			
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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
5000000	316379

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
No file uploaded.	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
SLIM21	Partially	3.5.0	2004

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total

Text Books	54554	16842646	18	2916	54572	16845562
Reference Books	8712	3169004	8	3724	8720	3172728
Journals	59	57110	0	0	59	57110
e-Journals	20235	11500	0	0	20235	11500
CD & Video	505	207371	0	0	505	207371
Library Automation	7	28908	0	0	7	28908
Weeding (hard & soft)	2345	703500	17	5100	2362	708600
Others (specify)	0	0	1	218890	1	218890
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
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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	594	14	1	1	14	11	583	64	0
Added	0	0	0	0	0	0	0	0	0
Total	594	14	1	1	14	11	583	64	0

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

64 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
No Data Entered/Not Applicable !!!	

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
77.5	65.44	27.72	25.11

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)

Maintenance of infrastructure facility is being done by the in-house project engineer section. This section is headed by Project officer, who is responsible for the maintenance work of the Institute. In addition to the project engineer section, staff member from each department is designated as housekeeping in-charge in respective departments. • The housekeeping in-charge of each department operates in coordination with project engineer section for the maintenance work of the department. • Regular maintenance is taken care of by the project engineer section. • The equipment and the furniture are repaired and maintained by the skilled workers from the project engineer section as and when required. • Laboratory in charge along with HOD of each department is involved in preparing the budget for the required consumables, procuring new equipments and their repairs. • Each laboratory mechanic and in-charge maintains the log book for equipments available. • Major maintenance or repair work is outsourced to companies. • The laboratory mechanic does the maintenance work, records it in the maintenance diary and gets it verified by the respective Head of the departments. • Faculty in charge and Programmer/Data Entry Operator (DEO) are responsible for maintenance of computers and software for each computer laboratory. • The internet and Wi-Fi systems are maintained by a team of technical staff under the supervision of Associate Dean (ICT). They maintain the smooth functioning of internet usage. Programmer/DEO carries out maintenance of each computer at regular intervals and record it in the maintenance record book weekly. • A register is maintained in the library for the entry and exit of the students and faculty. • Electrical items are maintained by skilled person from the project engineer section. • Apart from the central library every department has departmental library which is maintained by the faculty in-charge of the respective department. Separate register is available for the issue and return of books. • The Sport complex is maintained by a team from Physical Director's office which comprises of two trained support staff members under the supervision of Physical Director. • Record of gymnasium utilization is maintained every day wherein students record their entry and exit time.

<http://kits.edu/LifeOnCampus.aspx>

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	Institute Level concession	28	717120
Financial Support from Other Sources			
a) National	Scholarship/Freeship	1364	76284506.5
b) International	0	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved

Soft Skill Development	11/06/2018	480	Institute
Career Planning and Prospects	11/06/2018	507	Institute
Counselling	11/06/2018	1861	Institute
Bridge Courses	11/06/2018	1459	Various Agencies Involved
Remedial Coaching	16/08/2018	558	Institute
Yoga and Meditation	21/06/2018	80	Institute
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Co Cubes	122	0	6	0
2019	CRT-CPP	0	507	0	226
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

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
9	392	163	28	397	63
View File					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	3	B.E.	Civil Engineering	National Institute of Construction Management and Research, Pune	M.Tech.

2019	1	B.E.	Computer Technology	IIT, Guwahati	M.Tech.
2019	1	B.E.	Electronics and Communication Engineering	Sinhgad Institute of Management and Computer Application (SIMCA), NARHE	M.B.A.
2019	2	B.Arch.	B.Architecture	School of Architecture, GITAM University, Vishakapatnam	M.Arch.

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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
NET	0
SET	0
SLET	0
GATE	7
GATE	0
CAT	0
GRE	0
TOFEL	0
Civil Services	0
Any Other	2

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

Activity	Level	Number of Participants
Sports and Cultural Activities	Institute	1412

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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
No Data Entered/Not Applicable !!!						

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

The student council is formed every academic year by the Institute. The selection of the "Student Council" is as per the norms of RTMNU. The Student Council is selected in the presence of a committee comprising of the Principal, Deans and HODs. The Student Council comprises of the following members: • University representative • Student representative • All Class representatives • All Forum/Clubs/Associations Presidents • All Forum/Clubs/Associations Secretaries • Cultural Secretary • NSS Representative • NCC Representative • Sports Representative Based on the academic performance of the students the representative of each class is selected known as class representative. Various clubs, forums and associations of each department have nominated student representatives. All these representatives select a 'Student Representative' who is an active member in student council and various co-curricular and extracurricular activities. The important highlighting features of the Student Council are as follows: • The council works as a facilitator between the students and the Institute. • It takes care of all the extracurricular, co-curricular activities and annual social fest of the Institute. • It maintains the overall discipline on the campus. • The University representative represents Institute at University level for various student activities. • It provides information to the students regarding various beneficiary schemes available at Institute and University level and campaign to create awareness regarding these schemes. Various student chapters comprising of professional bodies like Institute of Electrical and Electronics Engineers (IEEE), Indian Society for Technical Education (ISTE), Institution of Electronics and Telecommunication Engineers (IETE), Computer Society of India (CSI), National Association of Students of Architecture (NASA) are functioning through Student Council. Apart from these professional bodies, there are other forums/clubs/associations such as • Civil Engineering association • Mechanical Engineering association • Electrical Engineering association (ELECTRICON forum) • Electronics and Electronics Communication Engineering association (ELECTROMATIX forum) • Computer Technology association (Acquired Computing and Methodological Engineering- ACME forum) • Information Technology association (INFOQUEST forum) • Architecture association (Archi Association) • Mathematics club • Literary club • Cultural club • Sports Committee The above mentioned clubs, forums, associations and committees of students work as a platform where the students can show their skills. On the occasion of Independence Day and Republic Day, street plays on social issues are performed by student groups under Student Council on topics such as 'Alcoholism', 'Evils of drugs', 'Save the girl child' etc. The Students Council is responsible for conducting the annual day celebrations, sports day and national level technical fest 'TEKNODEON' smoothly. Cultural evening 'Raga n Rock' is also conducted through the Students Council every year. The student group also participated in the Go-kart event.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

0

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Activities in Seesion 2018-2019 1. Mr. Sanjay Jumle, Alumnus of 1992 batch, General Manager, Vidarbha Industries Power Ltd., Buttibori, Nagpur was

invited as chief guest for an Inauguration function of Electromatix forum on 25/07/2018. 2. Mr. Pratik Sarode, Ms. RutiChhalangi, Ms. MeriChhalangi, Ms. LatikaMahajan, Alumni of 2016 passout batch have visited the Institute on 31/07/2018. During their interaction with final year Electronics Engg. students, they have suggested to prepare for GATE and other competitive examinations. 3. Alumni Meet of 1993 batch was held in the Institute on 27/10/2018. 49 Alumni from various places of country and Abroad have attended the meet. Alumni shared their experiences and reminisced about the facilities available in the Institute of their time and also the days spent. 4. Mr. Sanjay Lulla , Alumnus of 1988 batch ,Country Leader, Software Defined Systems, IBM ,visited the Institute on 18-12-2018.He interacted with the faculty members of Computer Technology Department on database which is going exponentially day by day , cloud computing and network security. He appealed faculty members to include these topics in curriculum . 5. Mr. Abhishek Kumar, Alumnus from Indian Institute of Forest Management has visited the Institute on 12/02/2019. He interacted with students and enlighten on the applications of computer science in forest project management and method to prepare for various competitive exam for various postgraduate courses. 6. Mr. Harshal Jaiswal, Alumnus from Data Scientist, SPI Global, Chennai, has visited the Institute on 01/02/2019. He discussed about Artificial Intelligence, Machine Learning and Deep Learning. He advised to use NPTEL videos and online courses for betterment of technical knowledge. 7. Mr. Mangesh Saiwala, Alumnus has visited the Institute on 16/01/2019. He discussed about the structural designing and guided students about latest software and IS code available for structural designing. 8. Mr. Satish Wanjari, Alumnus, Assistant Engineer, E Sense IT Solution Pvt. Ltd., Nagpur has visited the Institute on 12/02/2019. He Discussed about Mean-Stack Development and work culture in IT industry. 9. Mr. Yugant Kadu, Alumnus, Assistant Engineer, Webcuits IT Media Solutions, Nagpur has visited the Institute on 12/02/2019. He discussed about PHP and team management in industry. 10. Dr. Anil Ingle,Alumnus of 1993 batch, Associate Professor, Mechanical Engineering Department in Smt. Radhikatai Pandav Engineering College, Nagpur has visited the theInstitute on 16/01/2019 and delivered expert talk on Balancing of Rotating Masses. 11. Mr. Arvind Lilhare, Alumnus of 2011 batch, Software Trainer in Astral Technologies, Nagpur has visited the Institute on 28/12/2018. He shared his technical knowledge related to the softwares Autocad Electrical, Revit MEP. He appreciated the overall development and progress in the institute.

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 management set goals in consonance with the vision and mission of the Institute. The management regularly interacts with the Principal to review the implementation of the set goals. The management periodically reviews various academic, administrative and other related functions of the Institute. The Principal proposes new initiatives to the management to strengthen the quality of education on the basis of changing educational scenario and chalks out the action plans in a accordance with the goal set by the management. Principal communicates to the faculty members regarding the responsibilities and duties. Principal takes initiatives to develop the relationship with the eminent academicians, industries, professional bodies and other renowned Institutes. Deans and Associate Deans are appointed for the important functions in Institute like Examinations, Student Activities and Information and Communication Technology (ICT). Dean(Examination) is given the responsibility of smooth conduct of Institute and University examination. Associate Dean (ICT) takes care of providing ICT infrastructure. Associate Dean (SA) looks after

various students activities. The Heads of the department periodically conduct meetings to monitor the process of the academic activities, implementation of the policies regarding various issues with the staff members. The departments encourages the faculty for research, industrial visits, arranging guest lectures by eminent personalities. Faculty members are also participating in various committees of University such as Board of Studies (BoS) and Academic Council. The students are encouraged to participate in the decision making process by their participation as class representative, student representative and University representative. In hostels, all the activities are managed by the hostellers through the hostel management committee consisting of the wardens, hall representative and mess representatives.

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
Curriculum Development	The Institute has well defined system for planning and effective implementation of the curriculum. The Institute adheres to the academics related guidelines issued by Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur. An academic schedule is prepared in advance before the commencement of class-work of every semester. The faculty prepares teaching schedule of their allotted subjects and prepares a subject file and subject note file. To monitor the smooth conduct of the planned academic activities every department has a academic coordinator. A class teacher nominated to look after the regular class work activities.
Teaching and Learning	Faculty members are encouraged to adhere to the teaching schedule and to adopt teaching methods such as presentation, assignment, discussions etc. apart from regular class-work. Seminars and workshops are conducted for the benefit of students. After first mid sessional examination slow learners are identified and remedial classes are conducted for them. For students taking admission directly to the second year (Diploma students) extra classes are conducted so as to compensate for the classes missed because of the delayed admission process.
Examination and Evaluation	As per the academic schedule, two mid sessional examination, internal practical examinations are conducted. Each mid sessional question paper is

set based on three units of the syllabi of the subject as per University examination pattern. Sessional marks are awarded to the students based on performance in first and second mid sessional examination, assignments and attendance. Practical evaluation is done weekly and grades are assigned to each student based on performance and viva-voce. Also, in each department, final year projects are evaluated continuously.

Research and Development

The Institute promote research activities among all students and Faculty. Faculty members are encouraged to present/publish research papers in conferences and journals. Regular guest lectures are organized by the resource persons/experts from industry and academia. Project exhibitions are arranged to display their technical knowledge and creativity. Two faculty members has been awarded with Ph.D degree during 2018-19.

Library, ICT and Physical Infrastructure / Instrumentation

The Institute has adequate infrastructure facilities available in the campus which included classrooms, faculty rooms, laboratories etc. complying with the standard necessitated by AICTE and RTMNU. Every department is equipped with ICT enabled classroom. Separate project engineer section is available for maintenance of infrastructure. Campus also accommodates boys and girls hostels, messes for residential student and staff. CCTV cameras have been installed in the campus for safety purpose. The Institute also has a Indoor sports facilities, Gymnasium, meditation hall and prayer hall. The library is well equipped with more than 63,000 books, national and international journals magazines, newsletter and newspapers.

Human Resource Management

The Institute has establishment section for keeping the records of all faculty members. Service records are maintained and updated by the section head every year.

Industry Interaction / Collaboration

Industrial Visits, Study Tours and Industrial Case Studies are arranged for the students and faculty members for exposure to practical challenges faced by the industry and to know the advanced technologies used by them. It also increases awareness about

	expectations of industry and helps them to prepare for employability. The Institute have functional MOUs with industries to support the linkage for student field trip, training.
Admission of Students	Admission of students are done as per the directions of Director of Technical Education(DTE), Mumbai, Maharashtra.

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

E-governance area	Details
Planning and Development	In house Software
Administration	Biometric Attendance for Staff Members
Finance and Accounts	Tally 7.2 ERP 9.0 software for accounting
Student Admission and Support	In house software, NPTEL Software, SMS omega telesolutions
Examination	RTMNU Exam software / In house software

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
2018	Mr.E.Siva Prasad	STTP :matheemtical modelling and numerical techniques in engg. sciences	0	5800
2018	Mr.B.Venkanna	International conference CIST	0	5000
2018	Dr.S.S.Pokley	International conference :ICMBAT	0	1800
2018	Dr.K.Gajanan	International conference CE2C	0	3500
2019	Ms.JyothiBadwai k	National Conference RTM	0	1700
2019	Mr.E.Siva Prasad	International Conference ICRIMS	0	3500
2019	Dr.R.Y.Bakale	National Conference	0	1150
2019	Dr.U.B.Hatwar	National Conference	0	1150

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6.3.2 – Number of professional development / administrative training programmes organized by the College for

teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	NPTEL online certification on OpAmp Practical Applications	Nil	01/07/2018	01/10/2018	1	0
2018	NPTEL online certification on digital circuits and systems	Nil	01/07/2018	01/10/2018	1	0
2018	NPTEL online certification on Fabrication Techniques for MEMSbased sensors	Nil	01/07/2018	01/10/2018	1	0

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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
FDP on machine learning with python in association with e ict academy, nit warangal at swami vivekananda institute of technology, Secunderabad	1	26/11/2018	01/12/2018	5
One week faculty development programme on	1	03/12/2018	07/12/2018	5

"wireless and mobile communication" scheme of financial assistance for setting up of electronics and ICT academics"				
Faculty development programme on "security and privacy"	1	03/12/2018	08/12/2018	7
Advances in computer networks (acn2018) at vnit, Nagpur	1	10/12/2018	14/12/2018	5
FDP on signal, image processing and its application	1	10/12/2018	15/12/2018	5
Internet of things (iot) research initiative at govt. College of engineering, amravati	1	10/12/2018	15/12/2018	5
Product design and analysis using CATIA and ANSYS	1	24/12/2018	29/12/2018	7
Seminar on student centric learning apart from chalktalk	1	24/01/2019	24/01/2019	1
NPTEL online course on thermodynamics	2	01/01/2019	01/04/2019	86
STTP on advance course in machine learning and artificial intelligence	1	22/04/2019	26/04/2019	5
STTP : mathematical modelling and numerical techniques in engg. sciences held at nit ,	1	09/10/2018	13/10/2018	7

warangal				
STTP recent trends in vlsi design and verification	1	10/11/2018	15/11/2018	7
Matlab programming for pwm voltage source inverter	2	15/11/2018	19/11/2018	5
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

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

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Institute has implemented the following effective welfare measures for teaching and nonteaching staff of the Institute. 1. KITS Employees Welfare Fund (KEWF) for providing emergency financial assistance to allemployees of Institute in the matters of exigencies. 2. Concession in school bus fair for wards of the staff. 3. Group insurance, gratuity and provident fund schemes for the employees. 4. Residential staff quarters facility at subsidized rates. 5. Concession in tuition fee for wards of the staff. 6. Staff sponsored for higher studies.	1. KITS Employees Welfare Fund 3,10,500/	1. IBBS (Institute Book Bank Scheme for students) 2. Students got the concession in fee.

6.4 – Financial Management and Resource Mobilization

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

Internal Financial Audit : The Institute has a well formulated financial policy which ensures effective and optimal utilization of finances for academic, administrative and development purpose. Every year, the budget is prepared well in advance by taking into consideration the financial requirements of every department. As and when required, the Institute makes a provision for advance/ additional funds. The Principal and the Heads of the department discuss the requirements and decide the priorities while allocating funds for various purposes ensuring optimum utilization of available fund. **External Financial Audit:** Institute maintain accounts as per the procedure. It also provides

complete details of balance sheets which include income, expenditure, use of estimates, revenue recognition, fixed assets, depreciation and previous year figures are recast and regrouped whenever necessary. At the end of every financial year, the Institute conducts audit through auditor. Financial audits are conducted by a chartered accountant every financial year to verify the compliance with established processes.

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
No Data Entered/Not Applicable !!!		
View File		

6.4.3 – Total corpus fund generated

0

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	Nil	Yes	Management and Principal
Administrative	Yes	SCV and ASSOCIATES, Hyderabad	No	Nil

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

1. Parent teacher meet held annually 2. Progressive report of ward sends through SMS to their respective parents. 3. Feedback taken from parents for the Institute
--

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

Nil

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

1. More focus on research and development 2. Enhancement in the number of students' placement through campus recruitment drive. 3. Feedback from stakeholder
--

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Technodeon(College Fest)	21/02/2019	21/02/2019	23/02/2019	800

2018	Campus Recruitment Training(T P)	21/07/2018	21/07/2018	23/03/2019	128
2018	Swatch Bharat Program	02/10/2018	02/10/2018	02/10/2018	50
2019	Blood Donation	30/01/2019	30/01/2019	30/01/2019	70
2018	Tree Plantation	24/07/2018	24/07/2019	24/07/2019	80
2019	University Ranks	25/11/2019	07/06/2018	31/05/2019	13
2019	Placement	07/08/2018	07/08/2018	14/05/2019	226
2018	Guest Lecture	21/07/2018	21/07/2018	29/01/2019	1690
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Awareness program on "Importance of Girls Education".	24/07/2018	24/07/2018	50	100
Awareness skit on "Self-Defense and Safety Precautions for Girls".	01/03/2019	01/03/2019	25	50

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
Nil

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	No	0
Ramp/Rails	Yes	2
Braille Software/facilities	No	0
Rest Rooms	Yes	2

Scribes for examination	Yes	0
Special skill development for differently abled students	No	0
Any other similar facility	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	0	16/06/2018	175	MSRTC Bus Facility Upto College Campus	Resolving Commuting Problems of Students and Staff	220
2018	1	0	01/06/2018	112	Appointment of Permanent Medical Practitioner in College Campus for students and Staff	Resolving issues of medical facilities for students and staff	258
2018	1	0	24/07/2018	01	Plantation Drive in Campus	To maintain the environment green to reduce the temperature in Campus.	150
2019	1	0	01/01/2019	125	MSRTC Bus Facility Upto College Campus	Resolving Commuting Problems of Students and Staff	220
2019	1	0	01/01/2019	80	Appointment of Permanent Medical Practitioner in College	Resolving issues of medical facilities for students and staff	110

					Campus for students and Staff		
2018	0	1	15/08/2018	01	Distributed sweet, notebooks and water cans to deaf and dumb school, S hitalwadi , Ramtek	To contribute towards basic requirements	60
2019	0	1	26/01/2019	01	Distributed sweets ,sports and entertainment stationery items to the mentally retardation school, K achurwahi , Ramtek	To play the role of helping hands to the needy people in the school	50
2019	0	1	03/03/2019	01	Free Medical Health Checkup Programme and distribution of free medicine to the villagers	Medical facilities and health issues of peoples of villages	79

[View File](#)

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

Title	Date of publication	Follow up(max 100 words)
Administrative Manual	01/06/2018	Administrative Manual has been published in March 2002 by Vodithala Education Society, Telangana. It provides details of authority for administration and rules and regulations of the Institute
Student Hand Book for BE I II Semester	01/07/2018	Student Hand Book is published every year. It is provided to every

students at the time of Orientation program after taking admission to first semester. It contains details of code of conduct for college, library and hostel for students.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Distributed sweet, notebooks and water cans to deaf and dumb school, Shitalwadi, Ramtek	15/08/2018	15/08/2018	60
Guest Lecture on Cyber Security and Ethical Hacking by Mahesh Rakheja, CEO, The Techintern, Nagpur	01/09/2018	01/09/2018	102
Cleanin activity in the Campus	02/10/2018	02/10/2018	50
Distributed sweets, sports and entertainment stationery items to the mentally retardation school, Kachurwahi, Ramtek	26/01/2019	26/01/2019	60
Free Medical Health Checkup Programme and distribution of free medicine to the villagers	01/03/2019	01/03/2019	79
View File			

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

Sr.No. Initiative 1. Tree Plantation 2. Plastic free Campus 3. Steel glasses and plates are used in Canteen in place of plastic glasses and plates. 4. Rain water harvesting 5. Solid waste treatment 6. Liquid waste treatment 7. Solar water heating System 8. Use of public transport system and sharing system 9. Students Progress report to parent via SMS

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice-I 1. Title of the Practice: Students Counseling 2. Objective of the Practice: ? To make the students comfortable in this era of stressful competition, so that they perform to their maximum potential in academics as well as extracurricular activities. ? To guide the students with day to day issues or issues related to their academic performance. ? To inculcate problem solving and decision making ability in the students ? To make the students self-confident so that they can deal with the different issues they are likely to

face in future. ? To create better understanding between students and teachers which helps in creating a harmonious atmosphere in the Institute. 3. The Context: For students to be able to learn at their peak capacity, they need to be physically, emotionally, intellectually and spiritually well. In today's era of cut throat competition, students often suffer from stress and become depressed easily either for academic reasons or for any other personal problems. In order to help students to resolve their issues related to personal, academics or any other issues, counseling of students is a requirement of the day and time. Since, the Institute has the responsibility to build and develop the personality of the students we need to counsel the students for raising their self-confidence and developing their positive thinking ability. 4. The Practice: The main focus of the counselor is to understand the problems or issues of the students and develop their mindset so that they resolve their issues in a positive manner. In engineering subjects , we often find that the topics in the subjects get outdated very fast and the students find it difficult to understand the relevance to these subjects. The counselors who are the guardian teachers are usually faculty members of respective departments. They assist the students by guiding them in the right direction for aspects of problem solving and decision making. One dedicated slot is provided in the time table of every class. A group of 15 to 20 students are under each counselor and attending counseling classes is mandatory .Counselors maintain the attendance register for the students present during the counseling session. The students discuss their problems related to studies, hostels, curricular activities, hostels, health and many other issues including their personal problems with their counselor during this period. The counselor discusses these problems and help in resolving these issues. Progress reports and attendance of students are sent to their parents after the both the sessional examinations by the counselor. At the completion of their degree course, a character certificate is issued to the students which is based on counselor's report. The Common problems that are resolved during counseling are that of depression, anxiety and addiction. Many college students have such low self-esteem that they find it difficult to attend classes or do their assignments once they fail. They suffer with different levels of depression and get themselves hooked with liquors or drugs. There are students who join the institute with the plan to get major in a certain field (branch) without having much idea about the kind of job they are going to land into. This leads them to great anxiety. Addiction is one of the greatest problems that the students encounter. Without parental monitoring, it is easy for college students go astray and get caught up in addiction. To help college students in resolving their issues, our Institute has made efforts in the form of establishing an individual and group counseling system to provide intervention to the students, so that their social and emotional problems do not interfere with their academic performances. In our Institute counselors maintain student's personal and academic profile for each semester. In Students performance profile all the conversation details, academic progress in terms of mark sheet, personal details of the student are maintained by guardian teacher. This data helps guardian teacher to understand student emotionally, academically and personally. It also helps in the proper designing of the execution of curriculum for students. 5. Evidence of Success Result shows that the counseling practice in our Institution has been effective in solving student's personal difficulties. The moral support given by individual counseling seemed to have a positive influence on the academic performance and the number of sessions correlated positively with the academic performance. It has been observed that the percentage of number of students detained per year due to less attendance decreased. Participation of the students has increased in various co-curricular and extracurricular activities. Students are also trying to solve the problems of local community through their project work. The ability to communicate has increased gradually. Student's performance in

competitive examinations has also improved. 6. Problems Encountered and Resources Required The most common problem that the counselor encounters with the student is that students are introvert and hesitate to discuss their personal problems. This is because students in this Institute mostly come from rural areas and have poor educational background. So, there is a lukewarm response in the parents meeting which is well below the expectation. Contacting students' and their parents is also a problem as contact numbers are frequently changed and not informed to the counselors. To send the progress report of students to their parents, counselor takes the help of Postal service or SMS facility. Regular parent teacher interaction is necessary to discuss the issues related to academic performance of students. But this process is not effective in rural areas. By taking into the consideration of the problems encountered in counseling, it is planned to have a student counseling session with a professional for academic year 2019-20. We are considering Keyoar group conselling to third year students.

Best Practice-II 1. Title of the Practice: Institutional Book Bank Scheme (IBBS) 2. Objective of the Practice: ? The main objective of the scheme is to uplift lives of all communities who are economically weak. ? To bring in Socio-economic equality. ? To provide the required books to the students irrespective of their caste or creed or category. ? To increase the quantity of books in library. ? To optimize the use of books. ? To make a habit of using text books to the students.

1. The Context: ? Book Bank Scheme (BBS) for Scheduled Caste/ Scheduled Tribe Students is introduced by the state government of Maharashtra in association with Social Justice and Special Assistance Department. This scheme is being funded by the Central government of India. Under this scheme, the government provides book bank for medical, engineering, agriculture students of scheduled caste students in Maharashtra. ? Book bank Scheme is very useful for the reserved category students such as SC/ST students who are economically weak. But students of other communities can not avail this scheme. ? To take care of the students of all category who are economical weak, Institute has started the Institutional Book Bank Scheme (IBBS).

3. The Practice: ? Institute Book Bank Scheme was started in the year 2003 to provide the books to economically weak students of all categories. In this scheme, students can demand any text book / reference book irrespective of availability in the library. ? Once the request is received by the library, the books are issued immediately. In case of unavailability, the Librarian purchases the book within 3 days. The cost of books are informed to the student and a challen is issued to the student which is to be paid in UCO bank, KITS Ramtek. The books are then issued to the students after receiving the payment challen from student. ? At the end of semester, when student returns the books ,80 of total amount is transferred to the students bank account. ? Through this scheme, students can use the books as per their requirement at the cost of 20 of total cost. Students have to maintain the good condition of books. ? This scheme was started with an investment of Rs.16417/- by purchasing 327 no of books in 2003-04 and it has reached to a collection of 13622 no of books costing Rs.3446405/-

4. Evidence of Success Institutional book bank scheme becomes a popular among the students and number of benefited students have increased. Table: Comparison of students benefited from BBS and IBBS in last five years.

Year	No. of students benefited by BBS	No. of students benefited by IBBS
2012-2013	437	1891
2013-2014	574	1774
2014-2015	527	1418
2015-2016	512	1161
2016-2017	550	1261
2017-2018	374	819
2018-2019	314	608
Total	3288	8932

The above table shows that the IBBS is beneficial to the economical backward students of all communities leading to socio-economic justice.

5. Problems Encountered and Resources Required ? Initially there was problem for initial investment to procure books for all students. ? We also had to face problems due to variation in the demand of students. ? Up keep and maintenance of books is an uphill task. ? Lack of interest in the students in reading text books. ? Motivation to students to use text books ? Digitalization of books has lessened the demand

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

http://www.kits.edu/Documents/naac/7_2_1_institutional_best_practices.pdf

7.3 – Institutional Distinctiveness

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

Vision: The vision of our Institute is to develop the institute into a center of excellence in professional and technical education. Priority: To fulfill the above said vision we are giving top priority to develop ourselves in certain areas. Since our Institute is located far away from the city, we focus on providing technical education to rural students and encouraging economically backward students to pursue technical education. The Institute focuses on covering 100 percent syllabus coverage of every subject. Attendance of the students is monitored continuously and their performance is analyzed twice at every semester. Remedial classes are arranged for the academically weak students or the slow learners. Soft skills development classes and career counseling classes are arranged to develop the overall personality of students and thus build their confidence. The Institute also gives maximum placement opportunities to the students. Thrust The Institute provides best opportunities to the students of nearby villages to avail technical education and build their careers. For the effective implementation of the curriculum, the institute meticulously designs and develops the action plans. The Principal conducts meetings regularly with the Heads of Departments and the Deans to plan, develop and implement effective ways of teaching and learning. The Institute provides best hostel facility for both girls and boys students with all amenities such as Library, Bank, ATM's, departmental stores, gymnasium, canteen etc. in the campus. The Institute focuses on completion of the 100 syllabus. In this regard, faculty members are instructed regularly by the Principal as well as HOD's to plan extra lectures if required. Apart from regular classes, the institute conducts various case studies, guest lecturers and workshops to enhance the capability of students to present the topics related to the curriculum. The institute identifies academically weak students and then the remedial classes are conducted for such students so as to raise their academic performance. The Institute also monitors attendance of the students regularly. In this regard, the students are motivated constantly to upgrade their attendance and maintain more than 75 attendance. The counseling system of the institution is very strong where students share their academic and personal problems with the counselor. Parent-teacher meetings are conducted to keep the parents well informed about the performance of their wards The Institute maintains highly discipline inside the campus and it does not support any kind of misconduct within the college and hostels. Teachers are encouraged to participate in various kinds of seminars, conferences or workshops to keep themselves updated in their respective subjects. They are motivated to pursue Ph D's and also to write books. They are also encouraged to practice innovative teaching methods such as delivering lectures through, presentations, assignments, discussions, workshops, seminars etc. Apart from the regular teaching, the institute also organizes several expert lectures, workshops and guest lecturers to encourage industry-academia interface among students and faculty members on a regular basis. Industrial visits are regularly arranged for the students to make them familiar with the process of industry and upgrade their knowledge.

Provide the weblink of the institution

http://www.kits.edu/Documents/naac/7_3_1_performance_of_institution.pdf

8.Future Plans of Actions for Next Academic Year

• To organize seminar and workshop by the IQAC to promote the quality improvement strategies in teaching-learning and research activities for faculty members. • It is planned to conduct a national seminar or workshop by the each department. • To organize workshop and seminar and job oriented services by the Career counseling and Training and Placement cell for the students. • Encouraging faculty members to complete their doctoral degree and to continue research activities through quality publications and research projects. • To prepare and submit the proposals for research projects. • Construction of rain water harvesting schemes in the campus, particularly all the abundant bore wells will be converted as ground water recharge sites, in which the runoff produced in the campus during rainy season will be diverted towards these recharging sites. • Promoting participation of students and staff in seminars, workshops, sports and cultural activities organized by the Institute. • Increasing the number of environment friendly initiatives by NSS and ensuring participation of maximum students in such activities. • Promoting activities such as Yoga, physical exercise, meditation etc related to development of mental and physical fitness of students, faculty and staff.