SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

MATSYODARI SHIKSHAN SANSTHA'S COLLEGE OF ENGINEERING AND TECHNOLOGY, JALNA

MATSYODARI SHIKSHAN SANSTHAS COLLEGE OF ENGINEERING AND TECHNOLOGY, AURANAGABAD ROAD, NAGEWADI, JALNA
431203
www.msscetjalna.org

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Matsyodari Shikshan Sanstha's College of Engineering & Technology is a self-financing and the only Engineering institute in Jalna district affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad established in the year 2002. Matsyodari Shikshan sanstha was founded under the great academic vision of Karmayogi late Adv. Ankushraoji Tope (Ex. Member of Parliament) and now running with full enthusiasm under eminent guidance of President of the Sanstha Shri. Rajesh Tope(Ex. Minister of Higher and Technical Education, Maharashtra State).

MSS's College of Engineering & Technology, has been started to help the economically weak student to make career in engineering field at affordable fees. It was established with social objective to provide excellent quality education to the students of the rural areas of Marathwada region which were remaining ignored from quality education in the technical field.

The Sanstha has established many other institutions to impart quality education in respective areas, few of which are MSS's Arts, Commerce and Science College, Ambad (established in Year 1979) NAAC Reaccreditated with 'A' Grade and Ankushrao Tope College, Jalna (established in Year 1983) NAAC Reaccreditated with 'A' Grade.

The institute runs UG Courses like Civil Engineering, Computer & Science Engineering, Electrical Engineering, Electronics & Telecommunication Engineering, and Mechanical Engineering, PG Courses like Electrical Power System, Mechanical Engineering and Master of Business Administration which are approved by All India Council for Technical Education (AICTE), Directorate of Technical Education (DTE), and Government of Maharashtra.

The management and faculty commit themselves to their pursuit of excellence in technical education through dissemination of knowledge, development and technical skills. We ensure that the students as well as the faculties are self-inspired to become great professionals.

Vision

"To be a Premier Institute in the Region which develops Competent Engineers and Managers, capable of Leading Team with Social, Ethical and Environmental values"

Mission

- Imparting Quality Education through best Academic Practices
- Enabling the students to develop Practical Skills through Laboratory Experimentation and Technical, Managerial, Research and Innovative Projects
- Developing Managerial and Leadership Competence amongst the students through Industry Institute Interaction and Co-Curricular activities
- Imparting Social, Ethical and Environmental Awareness among the students through Extra Curricular

activities

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Strong and consistent academic result of final year students with few among University Toppers
- Adequate Infrastructure and learning resources
- Young, diverse and competent faculty having good team work spirit
- Active National Service Scheme Unit working rigorously for extension activities

Institutional Weakness

- Lack of awareness for research and consultancy
- Less faculties with Ph.D. qualification
- Moderate Placement ratio
- Majority of Students belonging from rural and poor economic background

Institutional Opportunity

- To explore research and consultancy work for number of industries around Institutes vicinity
- To increase number of linkages and MOUs with industries for the benefits of students and teachers
- To expand technological development and awareness in rural areas
- To encourage faculty for Ph.D.

Institutional Challenge

- Enhancing Soft skills capabilities among students as they majorly belong from rural area
- Less Favouring by students and staffs due to Location disadvantage
- Placement drives and opportunities by Multi-National Companies
- Fulfilment of 100% admission due to financial weaker section of students and nearby region has been facing low rainfall and draught challenges from last few years

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

MSS's College of Engineering & Technology is affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad and follows the curriculum as prescribed by the affiliating university. University has adopted CBCS for Engineering from year 2016-17 and also provides different choices in Elective subjects with an option available for open elective. The University curriculum is revised every four years.

Before beginning of every academic year, the college prepares its academic calendar which is in-line with university academic calendar. This calendar includes date-wise activity schedule to ensure effective delivery

and academic monitoring. Based on this each faculty prepares his teaching plan and lab plan which is verified by HOD.

Regular academic monitoring is done in order to ensure the syllabus completion according to plan. In order to promote use of ICT amongst students, the institute conducts add-on courses, value added courses like soft skill and aptitude test and also motivates students for MOOC. For holistic development of students the institute also organizes various expert talks, seminars, workshops, industrial visits and in-plant training / internships which inculcate professionalism in them.

To develop curriculum, feedback is taken from students, teachers, parents, alumni and employers and the same is forwarded to University Board of Studies (BoS) for revision.

Teaching-learning and Evaluation

Student Admissions in the institute is carried out through Centralized Admission Process (CAP) as per norms of The Directorate of Technical Education (DTE), Maharashtra. The institute supports this process by being one of the Facilitating Centre (FC) from last 9 years. Institute follows the guidelines of DTE regarding reservations to the backward classes, J & K and management quota. Students are informed about the various support cells like Anti ragging, Grievance redressal and Women's redressal at the first year induction program.

Teaching learning process at the Institute is a blend of traditional and modern teaching methods. Institute provides all the support and resources needed for implementing ICT. MOOCs, NPTEL, Virtual Lab, social websites and other open educational resources are encouraged in teaching process. Industrial visits, study tours, implant training are regular features to have practical exposure. Institute organizes expert lectures, seminars and workshops to enhance advanced learning. Value added courses to bridge the gap in curriculum are prominently adopted by the Institute. Institute has a team of young and competent faculty. Institute adheres to the prescribed rules of Dr.BAMU in recruitment of faculty. Faculties are motivated for different Faculty Development Programs (FDPs), Short Term Training Programs, workshops etc.

Continuous internal assessment of a student is conveyed to the parents and appropriate measures are taken to improve the results. The institute has Academic Monitoring to monitor the teaching-learning process. Institute follows the policies and procedure of Dr.BAMU in conduction, evaluation and reforms of examination. Student centric approach has led to good results at the university. Institute have a track record of University toppers in last few years.

Research, Innovations and Extension

The Institute has a Research and Development Cell (R&D) to promote research related activities amongst faculties and students. Institute promotes faculties for submission of research papers in national and international Journals and conferences. The Institute conducts workshops and seminars on Entrepreneurship and Industry-Academia Innovative practices. The Institute also promotes awareness about Intellectual Property Rights (IPR) among student and staffs through different programs and also a group of student has been registered for Patent on "Mechanism for ejecting Copper tube from Mandrel in Forming operation" and is yet to be examined. The Institute is also recognised as a Nodal Centre for Virtual Lab.

The Institute has a well-established NSS Cell which undertake extension and outreach activities like awareness

and sensitization programmes, tree plantations, blood donation camps, adoption of villages, community learning, community development; creating awareness on hygiene as well as environmental protection etc. Faculty, students and society as well as NGO representatives participate in these activities.

Infrastructure and Learning Resources

The Institute campus is spread over 12.05 acres of land. The physical infrastructure includes well-equipped classrooms, laboratories and seminar halls. The Library is stocked with the latest books, journals and access to e-learning/ digital resources. Library also provides Online Public Access Catalogue, to do online reservations and renewal of books and Electronic Resource Management package for e-journals.

The Institute has adequate computer to student ratio and an internet bandwidth of 32 Mbps that connect all computers in the Institute to the LAN. High speed Wi-Fi is also available for all in order to have concurrent access to resources. The Computer systems are upgraded regularly and licensed softwares are installed as per the requirements. The institute has sports facilities for indoor and outdoor games such as table tennis, chess, carrom, volley ball, Kabbadi, Kho-Kho and cricket. There is an open air theatre for yoga and cultural activities.

The Institute has a maintenance system for all essential available facilities. The Institute has a team of qualified assistants for maintaining computers and networking facilities and maintenance of electrical facilities.

Student Support and Progression

The student admitted in the institute through the reserved category avails all the scholarship facilities provided by the state and central government. Apart from this students from economically weaker background are provided financial support by the institute. The Institute has an Anti-Ragging Committee and Anti-Ragging Squad to attend to complaints regarding ragging and there is also a student grievance cell to attend to their problems. The Teacher Guardian System also supports the students in academic and personal matters. Remedial classes are planned for slow learner students.

Students are provided trainings for communication skills, Mock interviews, and group discussions throughout the semester by well facilitated Language laboratory to cater to their need of Campus Placement. Institute strongly promotes participation of students in co-curricular and extracurricular activities for their overall development. Students are encouraged for GATE Exams, other competitive examinations and higher studies, special sessions are arranged for this purpose. Institute organizes co-curricular as well as extracurricular activities to foster the varied talents of the students and also students are motivated and guided to participate in events at various levels.

The institute maintains strong ties with alumni and solicit their support for lecture / expert talks, seminars and workshops. Institute has an active student council as well as departmental student association and students are also members of a few institute level advisory committees.

Governance, Leadership and Management

The Institute has clearly defined vision, mission, and quality policy and are constantly endeavouring to realise our goals. The Governing Body and Local Management committee ensures efficient governance. Student

surveys and feedback from all the stakeholders plays vital role in framing policies. The Principal of Institute is assisted by HODs, Administrative heads, Section in charges and coordinators of various cells in decision making process at the institute. Faculty and staff are assigned with the roles and responsibility to work in a harmonious environment with complete transparency.

The institute have a strong Perspective development plan for enhancement of infrastructure and amenities, excellent academic growth, fulfilment of admission, increasing number of Ph. D. faculties, faculty development by enhancing research and innovations, collaborations with recognised institutes for futuristic development.

Budget and other financial matters are looked upon by administrative and account section of the institute. Recently established IQAC strives to ensure quality benchmarks of academic and administrative activities.

Institutional Values and Best Practices

The institute promotes gender equity by conducting the awareness programs for girls and women staff members through Women Grievance Cell and Vishakha Committee. The institute provides facilities for women's such as safety & security, counselling, medical and girl's common room etc. Institute has also provided separate facilities for Divyangjan students.

The Institute has taken the initiatives to maintain the ecosystem in and around the campus through various efforts such as Trees Plantation, Saving and optimum utilization of energy, rain water harvesting, sewage treatment plant etc. Students are involved for maintaining the ecological campus by organizing various events, through NSS and student association like creating awareness of traffic rules, Swachh Bharat Abhiyan etc.

Students and staff also participates in the camps and rallies for the social awareness organized through NSS/YIN such as save electricity, save girl, save environment, clean India, etc. The institute regularly conducts expert sessions and workshops along with celebration of national festivals and Jayanti's, to inculcate ethical and moral values among the students.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	MATSYODARI SHIKSHAN SANSTHA'S COLLEGE OF ENGINEERING AND TECHNOLOGY, JALNA
Address	Matsyodari Shikshan Sansthas College of Engineering and Technology, Auranagabad Road, Nagewadi, Jalna
City	JALNA
State	Maharashtra
Pin	431203
Website	www.msscetjalna.org

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Shantisagar K. Biradar	02482-262055	9822628679	-	msscetjalna@gmail.com
IQAC Coordinator	Mayur N. Bhurewal	02482-2262055	9028182307	-	msscet.iqac@gmail.com

Status of the Institution	
Institution Status	Private

Type of Institution	
By Gender	Co-education
By Shift	Regular Day

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details

Date of establishment of the college	27-05-2002

University to which the college is affiliated/ or which governs the college (if it is a constituent college)

State	University name	Document
Maharashtra	Dr. Babasaheb Ambedkar Marathwada University	[View Document](#)

Details of UGC recognition

Under Section	Date	View Document
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	[View Document](#)	29-04-2018	12	Extension of Approval for One Year

Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

Recognitions

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**
Main campus area	Matsyodari Shikshan Sansthas College of Engineering and Technology, Auranagabad Road, Nagewadi, Jalna	Urban	12.05	15945

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	**Name of Programme/Course**	**Duration in Months**	**Entry Qualification**	**Medium of Instruction**	**Sanctioned Strength**	**No.of Students Admitted**
UG	BE,Engineering And Technology	48	HSC	English	240	193
UG	BE,Engineering And Technology	48	HSC	English	120	103
UG	BE,Engineering And Technology	48	HSC	English	450	219
UG	BE,Engineering And Technology	48	HSC	English	120	23
UG	BE,Engineering And Technology	48	HSC	English	240	120
PG	ME,Engineering And Technology	24	BE or BTECH	English	48	39
PG	ME,Engineering And Technology	24	BE or BTECH	English	42	19
PG	MBA,Management	24	ALL UG	English	120	110

Position Details of Faculty & Staff in the College

	Teaching Faculty											
	Professor				**Associate Professor**				**Assistant Professor**			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				8				16				46
Recruited	1	0	0	1	1	0	0	1	34	6	0	40
Yet to Recruit				7				15				6
Sanctioned by the Management/Society or Other Authorized Bodies				0				0				20
Recruited	0	0	0	0	0	0	0	0	13	7	0	20
Yet to Recruit				0				0				0

	Non-Teaching Staff			
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				34
Recruited	34	0	0	34
Yet to Recruit				0

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Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				15
Recruited	15	0	0	15
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	1	0	0	0	0	0	1	1	0	3
M.Phil.	0	0	0	0	0	0	2	0	0	2
PG	0	0	0	1	0	0	31	5	0	37

Temporary Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	13	7	0	20

Part Time Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	**Male**	**Female**	**Others**	**Total**
	9	0	0	9

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	464	0	0	0	464
	Female	194	0	0	0	194
	Others	0	0	0	0	0
PG	Male	114	1	0	0	115
	Female	52	1	0	0	53
	Others	0	0	0	0	0
Diploma	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	53	62	56	40
	Female	28	34	35	35
	Others	0	0	0	0
ST	Male	2	1	1	1
	Female	3	2	1	1
	Others	0	0	0	0
OBC	Male	91	109	120	129
	Female	34	51	49	55
	Others	0	0	0	0
General	Male	347	348	311	327
	Female	145	136	138	164
	Others	0	0	0	0
Others	Male	86	84	106	82
	Female	37	33	31	38
	Others	0	0	0	0
Total		826	860	848	872

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3. Extended Profile

3.1 Program

Number of courses offered by the institution across all programs during the last five years

Response: 349

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of programs offered year-wise for last five years

2017-18	2016-17	2015-16	2014-15	2013-14
8	10	10	10	11

3.2 Students

Number of students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
908	890	1007	1090	1289

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
201	243	243	243	303

File Description	Document
Institutional data in prescribed format	View Document

Number of outgoing / final year students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
247	332	255	171	209

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File Description	Document
Institutional Data in Prescribed Format	[View Document](#)

3.3 Teachers

Number of full time teachers year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
75	96	129	131	105

File Description	Document
Institutional Data in Prescribed Format	[View Document](#)

Number of sanctioned posts year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
75	96	129	131	112

File Description	Document
Institutional data in prescribed format	[View Document](#)

3.4 Institution

Total number of classrooms and seminar halls

Response: 26

Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
134.0	117.03	196.88	163.95	258.94

Number of computers

Response: 151

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

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

Response:

The institute is affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad and follows the curriculum as prescribed by the affiliating university. Before the commencement of every academic semester, the affiliating university gives a tentative academic calendar. Principal and Head of departments discuss and prepares the academic calendar of the institute which states beginning of semester, schedule for defaulter list, class tests, academic monitoring, internal term work submission, end of semester and different types of activities. Apart from the traditional chalk and talk teaching method, the teachers are encouraged to use power point presentations, animations, NPTEL videos and also conduct field visits, industrial visits, surveys for content beyond syllabus. The description of effective implementation of the curriculum is stated as below:

- The academic load calculation is done by the head of department as prescribed in the curriculum stated by the affiliating university.
- The teachers are asked for subject choice depending upon their field of interest and load distribution is done by the head of department considering their experience and willingness after discussion with all the teachers.
- The departmental Time Table after preparation is circulated and emailed to all the teachers and the same is conveyed to all the students via the notice board. Simultaneously the college Master time table is prepared.
- All the teachers prepares the detailed course files which includes academic calendar, time table, syllabus copy, teaching plan, list of experiments, lecture notes handwritten, printed, PPT's & e-contents, roll call list of students, assignments, question papers and its solution.
- The progress of syllabus coverage and student attendance is monitored periodically by the HOD
- Review of student's attendance is taken at the end of every month and defaulter list of students along with their attendance is displayed on the notice board and the same is communicated to the parents through SMS.
- Class test are conducted as per schedule and the results are analysed and communicated to the students and parents. Remedial classes and improvement tests are conducted for weaker students / slow learners.
- For content beyond the curriculum and exposure about the latest developments and trends in their respective fields are given by arranging guest lectures, industry expert sessions and industrial/field visits, add-on courses etc.
- Mid-term and End-term feedback is taken from students for effective conduction of teaching learning process. The same is analysed and appropriate action is taken by the Principal in accordance with the HOD and IQAC.
- Class teachers meetings are held by the HODs to review the teaching-learning process, academic progress of the students, grievances if any, and suitable remedial measures are taken as and when necessary.

- Academic Monitoring Committee (AMC) / Internal Quality Assurance Cell (IQAC) assess the semester wise activities of every department and suggest necessary corrections, if required.

File Description	Document
Link for Additional Information	View Document

1.1.2 Number of certificate/diploma program introduced during the last five years

Response: 0

1.1.2.1 **Number of certificate/diploma programs introduced year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
Details of the certificate/Diploma programs	View Document

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response: 4.66

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
00	01	00	01	03

File Description	Document
Details of participation of teachers in various bodies	View Document
Any additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs

offered during last five years

Response: 100

1.2.1.1 How many new courses are introduced within the last five years

Response: 349

File Description	Document
Minutes of relevant Academic Council/BOS meetings.	
Details of the new courses introduced	

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Response: 100

1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.

Response: 8

File Description	Document
Name of the programs in which CBCS is implemented	
Minutes of relevant Academic Council/BOS meetings.	

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years

Response: 17.72

1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
202	298	256	65	19

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	

1.3 Curriculum Enrichment

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

Response:

To make the students aware of different cross-cutting issues, the affiliating university has inculcated subjects like Environmental Science and Chemistry, Communication Skills, Energy Conservation and Management, Environmental Engineering, Professional Practices, Energy Conservation and Audit, Renewable Energy, Professional Ethics and Cyber Security, Green IT, Environment Management, Community Service, Indian Ethos & Values etc into the curriculum. The Institute also organises guest lectures, seminars and different programs on various cross-cutting issues some of which are addressed below:

Gender:

- The Institute has Vishakha Samiti and Women Grievance Cell which works for benefits and development of girl students and ladies staff.
- Various activities are carried out by this cell such as expert lecture on 'Common issues associated with girls', 'Good diet practices for girls' etc, workshop such as 'Prevention, Prohibition & Redressal of Sexual harassment of Women employees and students at workplace', 'Gender Equity' and events on 'Beti Bachao, Beti Padhao', Karate training for self-defence of girls and counselling by these cells and also by Damini Pathak (Police department, Jalna) etc.
- The Institute also involves participation of girls at different committees of Institute level as well as Student Council of College and all department level Student Associations of the college. Collaboratively the girls and boys also participates in various sports and cultural competitions organized by the college as well as university. They also participate in various rallies and events conducted for awareness and benefit of the society by the institute.

Environment and Sustainability:

- Green audit of the campus is conducted; Tree plantation program is conducted in campus, Rain water harvesting system, Solar Power systems are in place in the campus, Swachha Bharat Abhiyan, Plastic free campus, Garden Preparation, Go Green, Green Diwali, Immersion of Ganesh idol etc.

Human Values and Professional Ethics:

- Institute has various cells such as Anti Ragging Committee, Women Grievance Cell, Internal Complaint Committee, Student Grievance Cell etc to take care of different issues. The Institute also arranges special lectures and seminars to create awareness on human rights and related issues.
- The Institute conducts value added course and seminars on Personality development and soft skill development to improve professional ethics and life skills among students.
- The Institute also celebrates various National festivals to improve social responsibility among students.

ICT:

- Each department is equipped with classrooms having LCD Projector, Screen and computer with internet connectivity this enhances lecture delivery. Apart from this every department also has smart interactive board equipped with Lecture capturing facility.
- The institute has also adopted practice of online circulars which can be also accessed through mobile phones.

File Description	Document
Link for Additional Information	[View Document]

1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years

Response: 9

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 9

File Description	Document
Details of the value-added courses imparting transferable and life skills	[View Document]
Brochure or any other document relating to value added courses.	[View Document]
Any additional information	[View Document]

1.3.3 Percentage of students undertaking field projects / internships

Response: 13.99

1.3.3.1 Number of students undertaking field projects or internships

Response: 127

File Description	Document
List of students enrolled	[View Document]
Institutional data in prescribed format	[View Document]
Any additional information	[View Document]

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2)Teachers, 3)Employers, 4)Alumni and 5)Parents for design and review of syllabus-Semester wise/ year-wise

A.Any 4 of the above

B.Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A.Any 4 of the above

File Description	Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	[View Document]
URL for stakeholder feedback report	[View Document]

1.4.2 Feedback processes of the institution may be classified as follows:

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

B. Feedback collected, analysed and action has been taken

C. Feedback collected and analysed

D. Feedback collected

Response: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
Any additional information	[View Document]
URL for feedback report	[View Document]

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 0.05

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
00	00	00	1	02

File Description	Document
List of students (other states and countries)	[View Document]
Institutional data in prescribed format	[View Document]
Any additional information	[View Document]

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 42.88

2.1.2.1 Number of students admitted year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
179	128	180	236	351

2.1.2.2 Number of sanctioned seats year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
402	486	486	486	606

File Description	Document
Institutional data in prescribed format	[View Document]
Any additional information	[View Document]

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 29.9

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
66	50	63	121	139

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

The institute conducts induction program for freshly admitted students in the institute every year, in which basic knowledge of core engineering branches and information about every department is given by Principal and every head of department to the students and their parents. After the program there is free discussion session arranged for parents and students, which is followed by detailed visits to each department.

Before commencement of every course the faculty gives introduction about the course curriculum and completes the pre requisite part of each course. During the academic tenure of the students their learning levels are basically identified by the institute using two approaches:

1. Class test and its analysis
2. Examination Result of Previous Exams

Depending upon this, slow learners and advanced learners are identified.

Strategies for Slow learners are as stated below:

- Remedial Classes are planned and conducted for slow learners which is followed by improvement test for them which increases their academic performance

- Expert lectures, guest lectures and extra classes are conducted
- Extra learning notes and material such as NPTEL Videos, E-books, PPT's, Animations are available in the Library database which are accessible through intranet within college campus
- Assignments are given to them on frequently asked questions of previous exams, these question bank is accessible and available through college website
- Special counselling sessions are taken by TG mentor for academic improvement of mentees

Strategies for Advanced leaners are as stated below:

- These students are encouraged to participate in paper presentations, project competitions and various technical events
- These students are motivated to take different MOOC Courses, NPTEL courses, spoken tutorials and online tests
- They are encouraged to prepare for Competitive exams, GATE and higher studies
- They undertake industry and other sponsored projects
- Special virtual labs sessions are organised for these students
- Extra Library facilities for students

File Description	Document
Link for Additional Information	[View Document](#)

2.2.2 Student - Full time teacher ratio

Response: 12.11

File Description	Document
Any additional information	[View Document](#)

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0.66

2.2.3.1 Number of differently abled students on rolls

Response: 6

File Description	Document
List of students(differently abled)	View Document
Institutional data in prescribed format	View Document
Any other document submitted by the Institution to a Government agency giving this information	View Document
Any additional information	View Document

2.3 Teaching- Learning Process

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

Response:

To make learning more student centric different activities are carried out at departmental level such as Assignments, Tutorials, Mock tests, seminars, workshops, industrial visits, surveys and different competitions.

To enhance learning experience of the students Institute has adopted following methods:

Experiential Learning:

- Inplant training for students at the end of every semester is conducted by Training & Placement Cell
- Every department conducts Industrial Visits and site visits for more practical exposure
- Various Workshops and seminars are conducted by expert faculty or industry person
- Mock group discussions and personal interviews are conducted so that student get prepared for placement drives
- Online Aptitude test are conducted by institute

Participative Learning:

- Every department has working and active student association which conducts different competitions like poster competitions, technical events and quiz competitions etc
- The institute also promotes students to participate in National, International and other competitions organized at different colleges across the region and information about the same is conveyed to students through departmental and college Notice Board
- Students participate in different project competitions like Bharat Formula Karting, Student Kart Design Challenge, Avishkar etc

Problem solving Methodologies:

- Final year students takes up industrial project to solve real time problems of industries
- The institute also carry out different extension activities to solve problems and spread awareness at the rural areas near the city
- Students also participates in surveys conducted by Town Planning department of the district to solve parking problem inside the city

File Description	Document
Link for Additional Information	[View Document](#)

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 0

2.3.2.1 Number of teachers using ICT

Response: 00

File Description	Document
List of teachers (using ICT for teaching)	[View Document](#)
Any additional information	[View Document](#)
Provide link for webpage describing the " LMS/ Academic management system"	[View Document](#)

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 15.66

2.3.3.1 Number of mentors

Response: 58

File Description	Document
Any additional information	[View Document](#)

2.3.4 Innovation and creativity in teaching-learning

Response:

Apart from the traditional teaching method of chalk and talk, the institute encourages and promotes the

faculty to go for Faculty development Programs, Short term training programs, and use ICT resources such as NPTEL videos, Power point presentations, animations etc to inculcate creativity in teaching.

Institution nurtures creativity among the students to transform them into life-long learners and innovators. Following are the implemented strategies for innovation and creativity in teaching-learning:

- Institute organises the events like paper presentation, art exhibitions, software development competitions, poster competitions etc. which offers a platform for students to express their creativity and soft skills.
- Institute also encourages and guides students to participate in prestigious competitions organised by various Institutes, recognised bodies and industries.
- The Students participate in various Massive Open Online Courses (MOOC) like NPTEL, EDX etc
- The students prepares and delivers seminars on recent innovations and trends in technologies at every department
- The Students participates in various technical quiz and technical events organized by department associations, college and other organizations
- Technical debates, group discussions, mock interviews and online test are conducted
- The students perform role plays and games to enhance learning
- Students participate in project competitions like State Government sponsored Inter-University Research Project Competition-Avishkar etc

File Description	Document
Any additional information	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 99.89

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
List of the faculty members authenticated by the Head of HEI	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 2.82

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3	4	2	2	3

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document
Any additional information	View Document

2.4.3 Teaching experience per full time teacher in number of years

Response: 6.85

2.4.3.1 Total experience of full-time teachers

Response: 514

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Response: 0

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	View Document

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Response: 7.15

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
5	8	10	10	6

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	[View Document](#)
Any additional information	[View Document](#)

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Response:

Institute adopts all the major reforms in curriculum, examination pattern and evaluation process prescribed by the affiliated university. The syllabus and evaluation scheme are revised by Dr. B.A.M. University periodically. Institute makes reforms in CIE, according to the reforms made by the university.

In earlier syllabus, examination pattern consisted of 20 Marks for Internal assessment based on Class Test and 80 Marks for Theory examination along with assessment of subject based on internal Term work and also for subjects based on External Practical Examination which is evaluated by External Examiners. There is also internal assessment for seminars and projects as prescribed in the curriculum of the University for Individual Department.

The Dr. B.A.M. University has introduced Choice Based Credit System (CBCS) from the year 2016-17. In CBCS based curriculum, Elective subjects are offered for Third Year students which were previously only offered to final year students. The concept of Open Elective is available to final year students.

Every department in the institute conducts class test at specified intervals which is integral part of internal assessment. Reviews and assessment of seminars and projects are taken on regular intervals to trace the completion within the stipulated time. Previously, the assessment pattern for seminar and project evaluation was already stated and given by the affiliating university and so was followed by the institute.

This year the institute has reformed its own pattern of continuous internal evaluation for term work of every subject, seminars and projects which is more transparent, takes into consideration overall academic performance of the students and is circulated and followed by all the departments in the institute. This reforms were made by Department Advisory Board and IQAC.

The CIE is done taking into consideration following points:

- Internal Class test (Two Class test per semester and also improvement test)
- Seminar and Project Reviews (At least four reviews per department per semester)
- Internal Term work assessment (For Term work based subjects as per university curriculum)
- External Practical assessment (Conducted with presence of External Practical Examiner as appointed by the University)
- Final Theory Examination (Conducted as per schedule by the University)

File Description	Document
Link for Additional Information	[View Document](#)

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Response:

- Institute maintains complete transparency in the internal assessment of student.
- Institute evaluates Theory Assessment (20 Marks) and Term work, Practical and Oral Examination. The Theory Examinations (80 Marks) are conducted and evaluation is done by the university.
- For internal assessment of student's class test performance, regularity of the student (attendance) both in theory and practical are taken into account along with overall performance of the student.
- Students' attendance is maintained regularly by every faculty. At the End of each month attendance list of the students are displayed on departmental notice board.
- For internal evaluation, Institution conducts two unit tests per course per semester. Two unit test answer papers are shown to the students to address their grievance in the assessment if any.
- Evaluation of laboratory sessions, project work and assignments is done rigorously by every faculty on regular basis.
- For the final year students, a Project and seminar is evaluated through presentations and demonstrations.
- The transparency in term work assessment is ensured by informing the student about assessment process in the beginning of the semester.
- Tentative schedule of internal class test and term work submission is mentioned in the academic calendar so that student can prepare well in advance
- During the assessment of internal term work, points like technical ability of the student, communication skills, logical understanding, behaviour of the student, ethical values, professionalism are observed and rated accordingly.
- Timely display of record of attendance, test results and term work marks is done on the notice board.

File Description	Document
Link for Additional Information	[View Document](#)

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

Response:

- The institute has adopted fair and transparent process for the evaluation of student prescribed by the Dr. B.A.M. University.
- Institute follow the schedule as given by the affiliating university to solve examination related grievances.

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- Institute has appointed Chief Superintendent of examination as per directives by the affiliating university who looks after all the ongoing examination related grievances like paper redressal, revaluation etc.
- The Theory Examinations (80 Marks) are conducted and evaluation is done by the university CAS centres. The masking of answer books are done so that the assessors are unaware about the exam seat no and other details of students. This is totally secure and transparent system.
- After the result of examinations, Students can apply for a photocopy of the answer sheet and revaluation of answer books of university end semester examination as per the procedures of the Dr. B.A.M. University.
- After receiving photocopies, the students can cross check the papers with concerned staff member and if student is not satisfied about its assessment, he/she may apply either for rechecking or revaluation. The application is forwarded to the University for Necessary Action.
- In case of revaluation, university reappoints examiner and the answer sheet are re-evaluated. The result is communicated to Institute and to the student. The chief superintendent of examination provides all assistance needed for examinations related grievances. The institute facilitates the redressal of grievances related to University examinations through notices displayed on notice boards on regular basis.

File Description	Document
Link for Additional Information	View Document

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Response:

- Academic year starts as prescribed by the Dr. B.A.M. University which states guidelines about Commencement of the semester, End of the semester, Schedule of Oral, Practical Examinations, Vacation schedule, Holidays list etc.
- Before beginning of every academic year, the college prepares its academic calendar which is in-line with university academic calendar.
- Principal and Head of departments discuss and prepares the academic calendar of the institute which states beginning of semester, schedule for defaulter list, class tests, academic monitoring, internal term work submission, end of semester and different types of activities. It is then distributed to the departments.
- Head of the Departments conducts the meeting to discuss the academic calendar and prepares departmental academic calendar which includes detail schedule of various activities such as industrial visit, expert lecture, departmental programs etc.
- The departmental Time Table is prepared and conveyed to all the students via the notice board. Simultaneously the college Master time table is prepared. Teaching plan is prepared by each teacher which adheres to the academic calendar of institute. Lecture Planning and implementation is regularly monitored by coordinators and head of departments.
- The details of class test exams, internal term work submission and oral / practical examinations are announced well in advance. These examinations are conducted by all the departments on the dates planned in academic calendar. Results of internal assessment are declared and communicated to students within a scheduled time. The Seminar and Project review are conducted as mentioned in

the schedule of each department. Arrangement of specific time frame for extracurricular activities and sports are made in the academic calendar.

- Effective implementation of the curriculum is meticulously executed according to the Institute's academic calendar.

File Description	Document
Link for Additional Information	View Document

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 on website and communicated to teachers and students

Response:

- The institute has recently adopted steps towards outcome based education. Every department has defined Program outcomes, Program educational objectives and Program Specific outcomes. Same is displayed on notice board and institute website.
- At the end of every semester, faculty evaluates their course outcomes by considering formats given for assessments. Every department maintains the mapping of course outcomes to program outcomes.
- All faculty members prepare detailed lesson plan with clearly stated outcomes. They also map their course outcomes to the program outcomes.
- Each and every test or assignment is also mapped with the COs satisfied.
- CO attainment for subjects is calculated using an excel tool provided by IQAC.
- The progress of the students in the form of test marks, assignments, quiz etc. is mapped with the course outcomes (CO).

File Description	Document
COs for all courses (exemplars from Glossary)	View Document
Link for Additional Information	View Document

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

- IQAC has provided a format for calculating the course outcome attainment.
- At the end of every semester, faculty evaluates their course outcomes by considering formats given for assessments. Every department maintains the mapping of course outcomes to program outcomes.

- All faculty members prepare detailed lesson plan with clearly stated outcomes. They also map their course outcomes to the program outcomes.
- Each and every test or assignment is also mapped with the COs satisfied.
- CO attainment for subjects is calculated using an excel tool provided by IQAC.
- The progress of the students in the form of test marks, assignments, quiz etc. is mapped with the course outcomes (CO).
- The result of Internal Assessment is analysed and mapped with the Course Outcomes. This enables faculty to adopt any remedial action.
- The Final Theory Exam is also taken into consideration for attainment of Course Outcomes.

File Description	Document
Link for Additional Information	View Document

2.6.3 Average pass percentage of Students

Response: 74.09

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 183

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 247

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.6

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

Response: 6.13

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
6.13260	0	0	0	0

File Description	Document
List of project and grant details	[View Document]
e-copies of the grant award letters for research projects sponsored by non-government	[View Document]

3.1.2 Percentage of teachers recognised as research guides at present

Response: 1.33

3.1.2.1 Number of teachers recognised as research guides

Response: 01

File Description	Document
Any additional information	[View Document]

3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0

3.1.3.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 00

3.1.3.2 Number of full time teachers worked in the institution during the last 5 years

Response: 538

File Description	Document
Supporting document from Funding Agency	[View Document](#)

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

The Institute has established an incubation centre to enable its students get first-hand experience in entrepreneurship, promote innovation driven activities at the institute and provide comprehensive and integrated range of support including space, mentoring, training programs and other benefits.

Through the incubation centre, students gain hands-on experience in innovation and entrepreneurship while being nurtured and encouraged by faculty, management and industry experts.

Physical Facilities includes fully furnished Office Space, Meeting room, and Office productivity equipment like Photocopier, Scanner, Projector, and Access to Innovation, Design Centre and Labs Equipment and software tools. Along with this the students also have Advisory and coaching, Mentoring, Trainings and workshops, Free advisory from Experts etc.

The students have taken up innovation project on MSME Live sponsored by MASSIA (Marathwada Association of Small Scale Industries & Agriculture) like development of innovative mechanism for cardboard / paper recycling system, system to monitor the execution of customer orders, Design and Manufacturing of solar cooking cart etc.

The Team Valour (25 students) participated in BFKCT (Bharat Formula Karting powered by CADD Technologies) at Coimbatore and achieved 8th Position; they also participated in SKDC (Student Kart Design Challenge) at Hyderabad.

The student also participated in AVISHKAR (State Level inter University Research Competition) held at JES College, Jalna.

File Description	Document
Link for Additional Information	[View Document](#)

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Response: 5

3.2.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1	1	1	1	1

File Description	Document
Report of the event	[View Document](#)
List of workshops/seminars during the last 5 years	[View Document](#)

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

File Description	Document
Institutional data in prescribed format	[View Document](#)

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: No

3.3.3 Number of Ph.D.s awarded per teacher during the last five years

Response: 0

3.3.3.1 How many Ph.Ds awarded within last five years

3.3.3.2 Number of teachers recognized as guides during the last five years

Response: 5

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	[View Document](#)

3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Response: 1.43

3.3.4.1 Number of research papers in the Journals notified on UGC website during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
50	36	27	18	22

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document
Any additional information	View Document

3.3.5 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years

Response: 0.3

3.3.5.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
14	07	03	06	02

File Description	Document
List books and chapters in edited volumes / books published	View Document
Any additional information	View Document

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

It is our mission to impart Social, Ethical and Environmental Awareness among the students. Our extension activities are crafted to achieve the same. Extension activities groom the students for overall development. It teaches them to be socially responsible hence resulting them to be good citizens. It inculcates qualities in the students like empathy, leadership, team building, communication, responsible social behaviour etc.

Objectives of the extension activities are as follows:

- Increase communication with underprivileged sections of society to understand their problems
- To use technology and expertise to address their problems
- To use young minds and their efforts to improve the standard of living of the society
- Create awareness among society to save natural resources
- Contribute to societal needs through activities like supporting blood donation camp

The institute has active National Service Scheme (NSS) unit which plans and implements events to achieve above objectives. Besides this, there are groups like Young Inspirators Network (YIN) and active student association of various departments for the same.

Some of the activities by above groups are Blood Donation Camp, Medical Check-up Camp, Tree Plantation, Swachha Bharat Abhiyan, Cashless India Awareness Program, Water Conservation and Harvesting Program, Sanitation Awareness Program etc. Beside this the NSS Unit also conducts 7-Day Camp at different Village every year and carries out different activities in 7 days which are beneficial in up-liftment and development of rural area of the region.

Through Young Inspirators Network (YIN) the students carry out activities like Road show for various awareness issues, SIMACES Leadership Development Program, Save Bird Campaign, and Expert Lecture talks etc.

File Description	Document
Link for Additional Information	[View Document](#)

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response: 14

3.4.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
6	3	1	2	2

File Description	Document
Number of awards for extension activities in last 5 years	[View Document](#)
e-copy of the award letters	[View Document](#)

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 96

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
33	24	6	17	16

File Description	Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	[View Document](#)

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 28.93

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
630	540	00	125	40

File Description	Document
Report of the event	[View Document](#)
Average percentage of students participating in extension activities with Govt or NGO etc	[View Document](#)

3.5 Collaboration

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job

training, research, etc during the last five years

Response: 107

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
31	32	17	12	15

File Description	Document
Number of Collaborative activities for research, faculty etc	[View Document](#)

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 2

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2017-18	2016-17	2015-16	2014-15	2013-14
02	00	0	0	0

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	[View Document](#)
Details of functional MoUs with institutions of national, international importance,other universities etc during the last five years	[View Document](#)

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

Institute has developed the infrastructure as per the norms of AICTE, University and State Government. The experts from the regulatory authorities regularly monitor and visit the Institute. This enables the Institute to ensure the infrastructure adequacy and optimum use for academic growth. Institute has aesthetically constructed infrastructure for its academic, administrative, and support facilities.

For the conducive academic and energetic environment the new building has constructed aesthetically and developed the class rooms, labs, tutorial rooms and seminar halls to meet the requirement of regulatory bodies and also for effective implementation of academics. The Institutes has enriched the labs with regular and special purpose equipment's, instruments, computers and software.

An aesthetically constructed infrastructure with well furnished, well ventilated and well lit Classrooms (16), smart classrooms (5), computer laboratories (15), well equipped laboratories (30), seminar halls (5) and Amphitheatre. Total built up area is **15945 Sq.m.**

The Institute has a workshop which consists of different facilities for mechanical based practicals like machine, fitting, carpentry, welding, black smithy etc. Institute has spacious and well-furnished library with reading room, digital library, e-journals, print journals and e-resource facilities like DELNET, National Digital Library, e-Shodhsindhu etc.

Amenities and facilities such as students activity centre, well maintained lawn, biotechnical garden, ramp facility for physically challenged, CCTV surveillance at all strategic locations, generator, sewage treatment plant, water purifiers, rain water harvesting system, canteen and sanitation facility. Institute believes in Periodical and Preventive Maintenance. A professional housekeeping agency has been hired to look after the cleanliness of the Institute.

Proper checks and balances, periodic inspection, review, grievances redressal, suggestion box, feedback from students, alumni, parents, peers and other stakeholders do help in the up-keeping and maintenance of the conducive learning environment of the campus.

File Description	Document
Link for Additional Information	View Document

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

Response:

The Institute promotes cultural and sports events which provides platform for the students to show their talent, skills and responsibility leading to holistic personality development.

The college have the following Sports and Cultural facilities:

* Facilities for Outdoor Games: Cricket, Football, Kho-Kho, Volleyball, Kabbadi
* Facilities for Indoor games: Table tennis, Chess, Carrom
* Cultural activities: Open Air Theatre (Amphitheatre)

The institute also has gym and other sports facilities at the parent institution which is accessible to all the students of the institute.

The student's sports and cultural committees are actively involved in organising different events. The students participate in various institute level and university level events like ASHWAMEDHA, SRUJAN, annual social gathering Abhyudaya, Ran Sangram, Ras Dandiya, Shiv Janmotsava, Engineering Teachers Day, Art Exhibition, Rangoli Competition, Days celebration during gathering, Picturesque, Bird Utsav etc.

Sports activities organised by the institute:

* Gully Cricket – Team of 7 with 4 boys and 3 girls participate for cricket match with small ground and distinguished rules
* Volley ball tournament, Kabbadi, Kho-Kho as outdoor games
* Chess, Carrom, Table Tennis as indoor games with single, doubles and mix doubles participants allowed.

Cultural activities organised by the institute:

* Dance Competition – Solo, Group, Western, Lok Kala Nritya etc
* Drama and Skit – Solo, Group, MIME
* Singing Competition – Solo, duets
* Road Shows and plays
* Bharat Darshan
* Sangeet Mehfil – Poetry Competition
* Fashion Show etc

File Description	Document
Link for Additional Information	[View Document](#)

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

Response: 38.46

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 10

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	[View Document](#)
Link for additional information which is optional	[View Document](#)

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 24.28

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
30.25	12.25	17.25	45	135

File Description	Document
Details of budget allocation, excluding salary during the last five years	[View Document](#)
Audited utilization statements	[View Document](#)

4.2 Library as a Learning Resource

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

Response:

Institute has well equipped, spacious, properly and systematically managed library with reading room attached having separate section for boys and girls having carpet area of 430.12 Sq. m. The Library has rich collection of engineering and management books including various journals, magazines, local and national newspapers and online reference for students and staff.

The Institute uses Software for University Libraries (SOUL) version 2.0 as integrated library management software designed and developed by the Information and Library Network (INFLIBNET) Centre, Gandhinagar which is an Autonomous Inter-University Centre (IUC) of University Grants Commission (UGC) of India. Library collection can be searched on Intranet through On-line Public Access Catalogue

(OPAC) that is highly versatile and user-friendly with simple and advanced search facility.

Library has about 3347 Titles, 17121 volumes, 35 National Journals, 24 international journals 12 e-journals. For efficient circulation books in the library are bar coded and bar code laser scanner is used for automatic circulation.

The Digital library is equipped with 20 desktop computers with internet connectivity to access and browse online materials. Majority of staff and students are registered to National Digital Library and have access to its resources. Digital Library has a stock of NPTEL lecture series.

The Library has access to e-journals like IEEE, Springer, Science Direct, ASCE, Wiley Computer, J-Gate, DELNET etc. The Library has Remote access to e-Shodhsindhu via Dr. B.A.M. University for facilities of e-books, databases, e-journals etc. The Library has book bank facilities for SC/ST students as well as 5 topper students of each branch. Library facility is open to all students and faculty members and is continuously updated with latest books and journals. The institute always strives to provide latest and best collection of books, journals, online resources to the students.

File Description	Document
Link for Additional Information	[View Document](#)

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Response:

The Institute Library has collection of rare reference books, Handbooks and other books which are accessible to staff and students for reading purpose inside the college library only. Collection of special reports of various National committees and organization are available and also Ph.D. thesis reports are available so that students can refer them to enhance their knowledge. Besides this the library also has a collection of Competitive exams books such as GATE, GRE and also a rich collection of more than 400 books from Indian Literature, Philosophy, Biography, Fictions, and Novels etc.

File Description	Document
Link for Additional Information	[View Document](#)

4.2.3 Does the institution have the following:

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership
4. e-books
5. Databases

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A. Any 4 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	View Document
Any additional information	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response: 2.49

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
1.48376	2.11	2.98	3.18	2.7

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document
Audited statements of accounts	View Document

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Any additional information	View Document

4.2.6 Percentage per day usage of library by teachers and students

05-04-2019 01:09:15

Response: 10.48

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 103

File Description	Document
Any additional information	**View Document**

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

IT has forever changed the world we live in and in today's era they hold too much importance. Taking into consideration the institute always take positive initiatives to adhere with the recent trends in IT. To fulfil the norms of AICTE and University, the institute has 418 computers all together for students and other faculties with high configuration such as Core I5 processor, 4 GB Ram, 1 TB HDD. Every department has its own computing facilities and all the computers are connected in LAN and have high speed internet connectivity with 22 Mbps Lease Line and 40 Mbps Broad Band connectivity.

The Institute has number of academics related software such as MATLAB R14.5, CREO 2.0, Oracle, MS Visual Studio, E-TAP 12.5, etc. Operating System software such as Windows 10.0, Windows 8.0, Windows 7.0, Windows Server R2 etc. Office, accounting and administrative software such as MS Office 2019, Tally ERP 9.0 and CAS – ERP. Besides this the institute also has Language Lab software ETNL.

The Institute also promotes and uses Open source and free softwares such as UBUNTU 14.0 OS, Red Hat 6.0, Endian Firewall, Android Development Toolkit, JAVA, Star UML, Net Beans 8.2 IDE, MySQL Server, PHP, XAMP Server etc.

The Institute has Computer Centre with 100 computers having high configuration and internet connectivity for interrupted usage open for all students and staff. All the computers in the institute are well connected via LAN network and also internet facility via Wi-Fi is available in the college campus. The institute updates its IT infrastructure as and when required.

File Description	Document
Link for Additional Information	**View Document**

4.3.2 Student - Computer ratio

Response: 2.51

File Description	Document
Any additional information	[View Document]

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)

>=50 MBPS

35-50 MBPS

20-35 MBPS

5-20 MBPS

Response: 20-35 MBPS

File Description	Document
Any additional information	[View Document]

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: No

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	[View Document]

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response: 60.81

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
95.765756	77.287374	82.993014	150.5381094	241.7719446

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	[View Document](#)
Audited statements of accounts.	[View Document](#)

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

Response:

The Institute has separate cells for maintenance and upkeep of the infrastructure, facilities and equipment and have their standard operating procedure.

- The Institute has Building Maintenance committee that monitors the maintenance of infrastructure and facilities. For major civil work the management representative and committee decides the course of action.
- The Institute has Computer maintenance committee who overlooks the maintenance and upkeep of the equipment and computer facilities.
- The activities related to maintenance of electrical fittings, public address system, diesel generator (DG) etc. are supervised and done by Institute's Electricity and Electrical maintenance committee.
- Lab Incharge along with the lab assistant is appointed for respective laboratories. They monitor the smooth working of the equipment's in the labs and get them repaired as per requirement. The calibration of concern equipment is undertaken periodically as per requirement by the respective departments.
- The maintenance and housekeeping of the classrooms, laboratories, library, and the institute are taken care by non-teaching staff.
- The cutting, cleaning, watering, soiling etc. activities in the garden is taken care by the gardener of the institute.
- Team of dedicated staff looks after the cleaning and sweeping of the passages, classrooms, washrooms, surroundings etc. The office staff monitor's their work and maintenance issues.
- For constant purified water supply a service engineer has been appointed who monitors the timely servicing of the purifier equipment.
- The Sports Incharge handles the sports facility of the institute and these facilities are made available to all the students of the institute.

File Description	Document
Link for Additional Information	[View Document](#)

05-04-2019 01:09:18

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 73.45

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
772	729	696	725	834

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	[View Document](#)
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	[View Document](#)

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 7.85

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
48	52	103	97	116

File Description	Document
Any additional information	[View Document](#)

5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling

3. **Soft skill development**
4. **Remedial coaching**
5. **Language lab**
6. **Bridge courses**
7. **Yoga and meditation**
8. **Personal Counselling**

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: A. 7 or more of the above

File Description	Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 24.11

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
230	338	290	151	188

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

Response: 0

5.1.5.1 Number of students attending VET year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
Details of the students benifitted by VET	[View Document](#)

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Response: Yes

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	[View Document](#)
Details of student grievances including sexual harassment and ragging cases	[View Document](#)

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 54.45

5.2.1.1 Number of outgoing students placed year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
110	139	133	110	145

File Description	Document
Self attested list of students placed	[View Document](#)
Details of student placement during the last five years	[View Document](#)
Any additional information	[View Document](#)

05-04-2019 01:09:21

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 2.83

5.2.2.1 Number of outgoing students progressing to higher education

Response: 7

File Description	Document
Upload supporting data for student/alumni	[View Document](#)
Details of student progression to higher education	[View Document](#)

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 12.55

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
11	5	5	1	0

5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
85	31	18	17	14

File Description	Document
Upload supporting data for the same	[View Document](#)
Number of students qualifying in state/ national/ international level examinations during the last five years	[View Document](#)

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) during the last five years.

Response: 0

5.3.1.1 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-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	[View Document](#)

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

The Institute has an active student council. The Student Council carries out various student welfare activities throughout the year. The selection of students in student's council is carried out by the respective Head of department along with the help of faculty coordinators. The Selection for core committee member is based on criteria such as previous working experience in the committee, good academic record, good communication skills, good public relations etc. Interviews of the aspirants are conducted to finalise the members. Approval of selected committee members are validated by the Principal. Faculty and students are involved in coordinating the selection process. The activities are funded by the college and also from sponsorships received.

Besides this The Institute has various academic and administrative bodies that have student representatives on them such as T&P, IQAC, Library, DAB, Student Grievance Committee, Class Representatives, Alumni Association, Various professional bodies, Anti Ragging Committee, Departmental Student Associations etc. These Committees and cells organises various activities and competitions for the specialised interest of students.

File Description	Document
Link for Additional Information	[View Document](#)

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution

level per year

Response: 5

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
06	05	05	05	04

File Description	Document
Report of the event	[View Document](#)
Number of sports and cultural activities / competitions organised per year	[View Document](#)

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

The Institute has registered the Alumni Association in the year 2019, previously also the Alumni Association existed unregistered but functional under which Alumni meet and other activities used to be conducted at institute level.

The Alumni's contributed to the association which was utilized for the development of students such as providing funds for sports teams of various department for different sports events, donated books in the institute library, arranged lecture and expert industry talks for respective departments.

The interactions with Alumni's have provided invaluable feedback for improvements, and have helped in the development of the Institute.

File Description	Document
Link for Additional Information	[View Document](#)

5.4.2 Alumni contribution during the last five years(INR in Lakhs)
? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

Response: 1 Lakh - 3 Lakhs

File Description	Document
Alumni association audited statements	[View Document](#)

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 0

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
00	00	00	00	00

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years	[View Document](#)
Report of the event	[View Document](#)

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Response:

Vision:

"To be a Premier Institute in the Region which develops Competent Engineers and Managers, capable of Leading Team with Social, Ethical and Environmental values"

Mission:

- Imparting Quality Education through best Academic Practices
- Enabling the students to develop Practical Skills through Laboratory Experimentation and Technical, Managerial, Research and Innovative Projects
- Developing Managerial and Leadership Competence amongst the students through Industry Institute Interaction and Co-Curricular activities
- Imparting Social, Ethical and Environmental Awareness among the students through Extra-Curricular activities

Quality Policy:

"We at MSSCET, Jalna are committed to develop Engineers & Managers through Best Teaching Learning practices with team spirit. Our students and Teachers are enabled to Excel in the Technical & Industrial field with Values of Life and participate in Nation building. We also commit for continuous improvement in Skills, System, Infrastructure and Services to satisfy all the Stakeholders"

The top management of the Institute comprises of Governing Body (GB), LMC, Principal, HODs, In-charges of various committees and IQAC. They play significant strategic role in the evolutionary process of transformational initiatives of the institute. The Institute believes in promoting a culture of delegation of powers through strategic policies. The Principal of the Institute is assisted by HODs, and coordinators of various cells/committees in decision making process of the Institute. GB is the apex body of the Institute, which is constituted by the parent trust Matsyodari Shikshan Sanstha. The GB provides guidelines and strategic direction for aligning the programs, policies and processes of the Institute. LMC is responsible for deliberations and decision making at the institute level.

The Principal is an active member in deciding the quality policy and making the action plans. The Principal communicates the opinions of the Top Management to the faculty and staff regarding the responsibilities and duties assigned to each component of the Institute, during the implementation of the quality policy. The Principal implements strategic plans and quality policies to achieve the vision and mission, manage and monitor overall administration and academic progress. Head of the Department assist and report the academic and administration matters of the department concerned to the Principal and motivate the faculty members to provide quality education to the students and to achieve the desired results and placements. Faculties in addition to teaching, carryout various responsibilities such as mentoring,

curricular, extra-curricular activities, research and consultancy work and Organizes events at department and college level.

File Description	Document
Link for Additional Information	[View Document](#)

6.1.2 The institution practices decentralization and participative management

Response:

The system is effectively decentralized for a better governance and performance. The strategic plans and major decisions related to academic and administrative tasks are thoroughly discussed in the Governing Council meeting. The decisions taken are executed by the Head of the institution. The Heads of the Departments and the faculty members ensure proper implementation of the policies given by the Governing Council. Decision making authority is well decentralized in this system. The Management gives autonomy to the Principal to execute the strategic plan in order to fulfil the Vision and Mission of the institution. Heads of the Departments are delegated with department level authority and operational autonomy but take important decisions with Principal's endorsement. Mostly, Heads of the Departments along with faculty members actively govern and administer the department. The Heads of the Departments also conduct meetings periodically and the academic activities are planned as per the academic schedule. Also, the Principal organizes regular meeting of all faculty members with Heads of the Departments periodically to review the academic related matters. All other administrative tasks are carried out under the control of Administrative officer.

Participative Management

• HoDs participate in the monthly meeting chaired by the Principal to review the action plan, evaluate the results achieved and take decisions related to the academic and administrative matters.

• A faculty is assigned as class in-charge and is responsible for the academic performance of the class.

• The class in-charges discuss with respective HoDs regarding the action plans to be followed for the overall improvement in the academic performance of the students.

• Every faculty is allocated with a set of 15 students for mentoring and he/she is responsible for the overall development of the students.

• All the faculty members involve in organizing various events at department level and at college level.

• In the class committee meetings students participate and give their suggestions for various kinds of assistance needed in academics, co-curricular and extra-curricular activities.

Case Study: Remedial classes for slow learners

• Improvement Tests and Remedial classes are conducted for those who have not performed well in the

internal test as per the decision taken in the Principal – HoDs meeting conducted on 09.10.2017.

• The slow learners are identified by the subject handling faculty members and the remedial classes are conducted.

• Slow learners are given a chance to appear for a retest to improve their internal marks.

• Remedial Class schedule is prepared by each department for all the subjects after the conduct of every internal test.

• The list of slow learners is circulated to the students and displayed in the department notice board.

• The remedial classes are conducted for the slow learners after the regular hours and this helps in acquiring the subject knowledge and score better marks.

File Description	Document
Link for Additional Information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

An Engineering institution requires high level of goals with long range of planning and strategies to accomplish the Vision and Mission, which it dreams of Strategic planning is a continuous process with a specific focus on accomplishing short, mid and long term goals in this highly competitive era. Strategic Development Plan (SDP) analyses current environment expected future scenarios and predicts the direction towards which the institution should move to achieve its set goals and objectives. The first part of SDP addresses vision, mission and working on bringing out a good quality policy along with core values. These are achieved through many deliberations with all the stake holders (management, leadership, HODs, faculty, staff, industry, students and parents). Scientific scanning of internal and external environment is done through SWOC analysis. After scanning the environment, institutional goals were set up and strategies to achieve them are arrived at for the institution.

Based on Institutional Vision & Mission, the goals are drawn by holding brainstorming sessions with HODs and Professors. Institutional strategic goals and strategies are formed with action plans. The process of implementation is worked out and circulated to all the departments. Financial constraints and fund availability is one of important parameters of SDP. Internal Revenue Generation has been given due importance. SDP evaluation and committees to monitor the effectiveness has been clearly spelt out. The final out comes are discussed and approved by the Governing Body (GB).

As a good practice, inputs are drawn from stake holders through active participation and collective inputs. The SDP will stream line the processes and progress of the institution, it will also ensure that MSS's CET becomes a torch bearer among technical education institutions at National and Asia-pacific level by 2023.

File Description	Document
Strategic Plan and deployment documents on the website	[View Document](#)
Link for Additional Information	[View Document](#)

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

Matsyodari Shikshan Sanstha's College of Engineering and Technology well established organizational structure designed at central level to have proper communication mechanism and smooth functioning of administrative and academic processes. Various bodies are formulated which constitutes the organization chart. The governing body is the highest decision making body constituting members of the management, Principal and nominated faculty members. College Development Committee includes representatives of members of sanstha, Principal, three members elected from teaching faculty and one member of non-teaching staff.

The constituents of the organization structure are as follows:

Every department has Department Advisory Board to direct policies to excel students in academics and in work environments. It comprises one member each from industry, research establishment, and academic institute of repute, alumni, student, and parents and from management.

Principal, Heads of the Departments, sectional heads and co-coordinators of various committees have adequate participation in making decisions in academic and administrative processes under their purview.

1. Governing body

2. Local management committee

3. IQAC

4. Principal

5. DAB

6. Academic development committee

Principal

Head, Mechanical Engineering

Head, Civil Engineering

Head, Computer Engineering

Head, Electronics and Telecommunication Engineering

Head, Electrical Engineering

Head, MBA

Head, First Year Engineering

IQAC Co-ordinator

Head, Department Advisory Committee

Librarian

Workshop superintendant

7. Department level committees (ILCs)

Department Co-ordinator

Lab development In-charge

R & D Co-ordinator

Coordinator, Industry-Institute-Interaction

IQAC co-ordinator

Co-ordinator, Student Activities

PG program co-ordinator

Co-ordinator, Examinations

We at MSS's College of Engineering and Technology follow the prescribed service rules and regulations by AICTE, DTE and Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

Recruitment procedure of the college can be simply bifurcated into two types; firstly the UGC recruitment

for which the recruitment advertisement is published in National level newspaper and on college website also and applications are invited, committee from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on given date conducts the interview and appointments are given to selected candidates by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad itself; secondly college receives applications from various eligible candidates on regular basis as and when need arises, college through advertisement on website and news in local paper calls for interview on ad-hoc basis and appointments are given same.

College runs promotional policies under various heads; for faculties college provides with half fees and ODL for attending conferences, and FDP's. Faculties are assisted with bank guarantee, salary advances.

For grievance redressal mechanism college has separate grievance redressal committee for students and staff.

File Description	Document
Link for Additional Information	[View Document](#)

6.2.3 Implementation of e-governance in areas of operation

    1.**Planning and Development**
    2.**Administration**
    3.**Finance and Accounts**
    4.**Student Admission and Support**
    5.**Examination**

A. All 5 of the above

B. Any 4 of the above

C. Any 3 of the above

D. Any 2 of the above

Response: A. All 5 of the above

File Description	Document
Screen shots of user interfaces	[View Document](#)
ERP Document	[View Document](#)
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	[View Document](#)

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and

implementation of their resolutions

Response:

The committees constituted for achieving the desired outcomes works effectively and transparently and are evident through the meetings.

Various committees along with their member's details are as below:

The Anti-Ragging Committee for each session comprises of members including Principal as chairman of the committee, well known advocate, Police inspector from nearby police station, representative from local media, well known doctor from the region, parent representative and representative from faculty member, student.

The Anti-Ragging Committee conducts 03 meetings every year.

With The Anti-Ragging Committee college have OBC and Minority Cell and grievance redressal committee headed by the principal.

Internal complaints committee (formerly Women Grievance Cell) chaired by Dr. Sujat Patil with 2 male faculty members, 4 female faculty members, 1 legal adviser, 2 ladies representatives from student representative council (SRC
) andone member from office staff, averagely committee conducts 2 meetings a year since last 5 years.

 Internal Quality Assurance Cell comprised of members from Management, Administration, faculty, Industry, Alumni, and Student.

For Example: One activity successfully implemented based on the Minutes of meeting

Title of Practice: The Anti-Ragging Committee

Objective: In the view of the directions of the Hon'ble Supreme court in SLP No. 24295 of 2006 dated 16-15-2007 and Civil Appeal No 887 of 2009, dated 08-05-2009 to prohibit,, prevent and eliminate the scourge of ragging including any conduct by any student or students weather y words spoken or written or by any act which has the effect of teasing, treating or handling with rudeness a fresher or any other student or indulging in rowdy or undisciplined activities by any student or students which causes or is likely to annoyance, hardship or psychological harm.

To eradicate this menace from the campus through collective and coercive effort.

Context:

The incidents of ragging in educational institutions are becoming a national issue. College wish that all the senior students of MSS's Cet will respect the dignity of every student in the campus and express their solidarity towards them and act as desired, so that we can continue to maintain "RAGGING – FREE INSTITUTION" status for ever. Remember the fact: Awareness on ragging leads to eradication of ragging.

Practice

College has constituted Anti-Ragging Committee to look into the matter related to ragging complaints, if any. The college has sets up squad of faculty members. The duty of the squad is to keeps vigil on and off campus and also near-by area of the campus before, during and after the college working hours. The squad also visits hostel and near-by area to pass on the message to the students for deterrence. College also appoints specific staff to visit hostel during the late evening or night regularly. The squad, along with the warden, counsel students regularly.

In the past several years not a single case of Ragging or any such activity is yet reported in the institute.

File Description	Document
Link for Additional Information	[View Document](#)

6.3 Faculty Empowerment Strategies

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

Response:

- We at Mss providing social security in the form of provident fund and group insurance to all the employees.
- We have sufficient number of women faculties to whom we provide maternity leaves benefits under social security scheme to the beneficiaries. We have been providing medical emergency help to teaching & Non-teaching staff.
- As far infrastructure facilities concern we have Wi-Fi campus, reprographic facilities, central stores, good nutritious food in the cafeteria with RO System fresh drinking water facilities for the employees.
- CCTV's facility at strategic location.
- We have women's redressal grievance cell, look after all the issues related to women. Institution follows strict code of conduct and zero tolerance policy related all the staff.
- We have very hygienic, eco-friendly having trees and green lawns for feel good ambience as a whole the institution.
- A uniform for the teaching and non-teaching staff (security person & Peon) has been maintained as a code of discipline.
- As a safety measures we have installed fire extinguishers at the important places of the institutions.
- Compensatory off, restricted holidays for celebrating regional festivals. Regular get together and festival advances to class IV employees (on request).
- Loan facility is available for college staff through Samarth Sahkari Coperative Bank limited, Jalna.

File Description	Document
Link for Additional Information	[View Document](#)

6.3.2 Average percentage of teachers provided with financial support to attend

conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 28.24

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

2017-18	2016-17	2015-16	2014-15	2013-14
49	32	16	22	14

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc during the last five years	View Document
Any additional information	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 2.2

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
04	2	2	2	1

File Description	Document
Reports of Academic Staff College or similar centers	View Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Response: 1.86

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
01	06	01	00	01

File Description	Document
IQAC report summary	[View Document](#)
Details of teachers attending professional development programs during the last five years	[View Document](#)

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

We follow the performance based appraisal system for faculty and nonteaching staff. Annual self-assessment is done by every faculty to find out his/her strength and weaknesses. For this, the self-appraisal form is designed by the Institute that consists of:

- Teaching Performance
- Department Level Activities & responsibility
- Institute Level Activities & responsibility
- Number of Papers published in Journals and Conferences
- Number of STTP's attended
- Number of workshops / FDP's attended

The form is designed to enable overall evaluation of the faculty. A meeting is held with individual faculty by Principal and HOD to discuss the filled form. The faculty are appreciated for excellence in performance and also asked to improve in areas they lag. This ensures transparency in evaluation and improves accountability of the staff.

File Description	Document
Any additional information	[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The institute has a keen strategy to conduct the internal and external audit every financial year.

The internal audit of expenditure is conducted by our office account department, which is then audited by charted account, the internal audit team checks all the account, vouchers, leave records etc and submitted to the principal.

The external audit team conduct annual audit of the institute and issue the audit reports. Finalization of the account and audited statements are prepared which is duly signed by the Principal, and chartered accountant. Then audited report is submitted by chartered accountant.

No major objections are found in the audit by the statutory auditors and minor audit suggestions are compiled as per procedure.

File Description	Document
Link for Additional Information	View Document

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

Response: 311.86

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
311.86000	0	0	0	0

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	View Document
Annual statements of accounts	View Document

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

The college has a well-planned financial policy which ensures effective and optimal utilization of finances for academic, administrative and development purpose which help ultimately in realizing the institute's vision and mission.

Before the financial year begins, Principal, Heads of Departments prepare the college budget. College budget includes recurring & non-recurring expenses such as salary, electricity and internet charges, equipment and facilities, maintenance cost, stationery and other consumable etc. It includes planned expenses such as purchase of lab equipment, consumables, patent, industrial visit, student association expenses, conferences/ STTP/FDP and other development expenses.

The major source of the funding is Tuition fee from students, besides conduction of various off-line & online examination of competitive nature.

The optimal utilization of fund is as given below:

- For salary, arrears, & welfare measures.
- For infrastructure development and academics.
- For purchasing of equipments and software.
- For research and development.
- For conduction of Curricular, Co-curricular, Extra-curricular activities.
- For purchasing the new book
- Financial support for attending conferences, workshops, FDP etc.
- Financial support is also provided for participation of students at various national and international level events like Go-Kart.

File Description	Document
Link for Additional Information	[View Document](#)

6.5 Internal Quality Assurance System

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

Response:

The Institute has established IQAC in July 2017. The IQAC is responsible for devising measures to improve quality in all facets of the institution and for streamlining the procedures already in existence.

Two practices institutionalized as a result of IQAC initiatives are updation of Teacher Guardian Scheme and introduction of Pre Submission Card.

1. Teacher Guardian Scheme

As most of the students admitted to the institute come from rural region, they face many problems in understanding the concept of Engineering education hence academic progress is not so good. So to increase

academic performance of students by personal counselling and to encourage students participate in curricular, co-curricular and extra-curricular activities for holistic development the Teacher Guardian Scheme was adopted in the institute four years ago. Previously TG collected data and information of the student but they were not sufficient to understand overall details of the students.

To enhance the outcome of TGS reforms were made in this practice through IQAC and a Teacher Guardian Manual has been prepared having information such as a) Student Profile which includes Educational history of student, his preferred method of learning, his subject interests, hobbies and career goals etc. b) Student Academic Progress and his regularity in attendance c) Student Result details d) TGS Meeting record e) Student Activity report which keeps track of curricular and extra-curricular activities of students.

Due to this manual The TG has all necessary information about the student and The TG does better counselling to students for their academic progress and holistic development.

2. Pre Submission Card

It's a general practice that after all the teaching and learning activity the student go for internal submission process before end of individual semester and commencement of university examinations. But during the hectic schedule of teaching learning and other activities which regularly are organised by the institute or individual department, there are certain activities that every student must do to achieve soundness in academics and their holistic development. So IQAC has initiated practice of Pre Submission card which is given to the students in the beginning of each semester. In this card there are tasks defined for every student that he/she must complete before actual submission procedure starts. The TG or class teacher checks this individual activity completion status of the student and after completion of all the tasks assigned issues to him/her actual submission card. In this way the student gets flexibility to complete the tasks with ample amount of time spared to him and the faculty can track their record.

File Description	Document
Link for Additional Information	[View Document](#)

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Response:

IQAC provides suggestions for improvement of the Institute in areas related to teaching-learning, co-curricular, environment, and extension activities of the Institute. IQAC has organised workshops and training programs on pedagogy, accreditation etc. The IQAC has been instrumental in improving the use of ICT by faculty. IQAC also conducts an internal audit of course files and has recently started to made efforts towards implementing outcome-based education.

The two examples of implementation of teaching learning reforms are use of ICT by faculty and introduction of MOOC and online test series.

1. Use of ICT by faculty

After the load distribution in the beginning of every semester the faculty prepares his individual course plan and execution. To enhance the ICT based educational practices the IQAC has given additional format for ICT based course plan in which the faculty need to specify which units or topics in the syllabus are covered with the help of ICT tools such as PPT's, NPTEL Videos, Animations, Webinars, online links etc. For this the faculty has collected a repository of ICT based material subject wise which is helpful in delivering the lectures. This material is also collected in storage media such as Pen drives or DVD discs. Also every class room in the institute is equipped with LAN facility for internet connection and there are also Smart Rooms available in every department for the use of ICT in teaching learning.

2. MOOC and Online Test Series

To promote global education culture the IQAC has started the activity that every student must at least go for one MOOC course per semester. The MOOC provides a chance of distance education with the best institutes in the world that too free of cost. Many MOOCs have communities that have interactive sessions and forums between the student, professors and Teaching Assistants (TAs) along with the study/course material and video lectures. This is very essential for up-liftment and increase competency in students to cope up with ongoing and upcoming trends and technologies in the global market.

To promote the soft skill development of the student the institute conducts Online Aptitude Test Series in the academic year i.e. two tests per semester and four per year. Every student need to compulsorily participate in any one of the test per semester. This is helpful for them to crack the aptitude tests that are carried out at various placement drives conducted in and off campus.

These activities are included in TG Manual and Pre Submission Card to make sure that every student completes it.

File Description	Document
Link for Additional Information	[View Document](#)

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 2

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
05	01	2	1	1

05-04-2019 01:09:31

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
IQAC link	View Document

6.5.4 Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements**
2. **Academic Administrative Audit (AAA) and initiation of follow up action**
3. **Participation in NIRF**
4. **ISO Certification**
5. **NBA or any other quality audit**

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: D. Any 1 of the above

File Description	Document
Details of Quality assurance initiatives of the institution	View Document
Annual reports of institution	View Document

6.5.5 Incremental improvements made during the preceding five years *(in case of first cycle)* **Post accreditation quality initiatives** *(second and subsequent cycles)*

Response:

The IQAC created standard formats for many activities in the institute to cater the needs of various statutory bodies. IQAC has standardised the filing and documentation system of departments and Institute. The IQAC has significantly made updation in the teaching learning process of the institute. The promotion of NPTEL, MOOC and Virtual labs has enhanced effectiveness of teaching learning. In order to increase the use of ICT, IQAC has encouraged faculties to prepare the ICT based course plan mentioning which lesson or units are to be covered through ICT tools and resources. The IQAC has encouraged student to do NDL registration and use the resources available. The TG Scheme has been updated so that more focus is made on students to increase their academic performance. The Mid-term and End term Feedback is

collected from students and necessary suggestions are implemented. The IQAC has also started online test series so that the student prepares for the aptitude tests which are essential in many of the placement drives. The IQAC has also started to focus on Outcome based education making aware staff members how to calculate attainment of course outcomes and Program outcomes. Various FDP's are consistently organised for up gradation of staff members. The IQAC and NSS cell plans and conducts various extension activities for holistic development of students.

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 16

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
04	03	3	3	3

File Description	Document
Report of the event	[View Document](#)
List of gender equity promotion programs organized by the institution	[View Document](#)

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:
  1. **Safety and Security**
  2. **Counselling**
  3. **Common Room**

Response:

Safety and security:

- We at MSS College of Engineering and Technology have strict security at entrance for all the people. The security guards are present 24x7 in the campus.
- The institution has taken numerous safety and security measures in the campus. 96 CCTV cameras have been installed at prominent places in the campus, including main gate, important corridors, Library, workshop, cafeteria.
- Specific rules and regulations about the timings, visitors etc are followed in boys and girls hostels.
- The appointed warden takes care of all the requirements, problems, rules and regulations, in the hostel.
- The college has a Women grievance Cell (WGC) / Internal Compliance Committee and Vishakha Samiti, which deals with the safety and security of girl students and female staff in the campus. These committees also organize activities to motivate, strengthen and spread awareness about health, nutrition, etc. among the females in the campus.
- Not a single case of eve teasing, misbehaving or any other ever happened in the institute.

Counselling:

* Counselling of students is carried out under the Women Grievance Cell (WGC) or Internal Complaint Committee (ICC) and Vishakha Samiti. These committees have been formulated to deal with issues related to gender bias, promote gender sensitivity and educate male and female members regarding gender equality.
* Apart from these committees the college has well developed teacher guardian scheme, through which the guardian teacher carries out counselling of students from time to time during the meeting with the students.
* Various counselling programs has been organised in the Institute regarding security of girl students.
* Damini Pathak (Special Women Police Squad) is called for counselling sessions in the Institute.

Common Room:

* Separate Girls and Boys Common Rooms are available with essential facilities like first aid box, bed, mirror, etc.

File Description	Document
Any additional information	[View Document](#)

7.1.3 Alternate Energy initiatives such as:

1.Percentage of annual power requirement of the Institution met by the renewable energy sources

Response: 0.75

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

Response: 470

7.1.3.2 Total annual power requirement (in KWH)

Response: 62462

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	[View Document](#)
Link for Additional Information	[View Document](#)

05-04-2019 01:09:33

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 25.3

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 6

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 23.718

File Description	Document
Details of lighting power requirements met through LED bulbs	[View Document](#)
Any additional information	[View Document](#)

7.1.5 Waste Management steps including:
- **Solid waste management**
- **Liquid waste management**
- **E-waste management**

Response:

Institute practices the waste management including solid waste management, liquid waste management and E-waste management.

Solid waste management:

The main objective of the solid waste management system in the campus is to promote the Environment Management and Conservation in the College Premises.

- The Institute have good solid waste management in the Campus. The solid waste is collected in the dustbins and then segregated at source. If solid waste is decomposable then it is dump into the pit and remaining is given to external agency for recycling.
- The dry waste bins are also placed in laboratories, library, classrooms, etc.
- Composting methods adopted by the institute for tree droppings, lawn management and kitchen/Food waste through wet dust bins placed in college premises.
- Old newspapers, used papers and journal files etc. are given for recycling to external agencies after frequent intervals.
- Scrap from the workshop is used to manufacture various articles like paper weight, drawing boards, etc. The remaining scrap is sold out to external agencies.

Liquid waste management:

- The Institute has an efficient drainage system for liquid waste generated in the campus.
- Sewage water is given to plants with the help of proper arrangement.
- Institute has proper drainage and septic tank for human waste.
- An effective drainage and disposal system is adopted in the Chemistry laboratory which is adequate for the disposal of liquid waste generated in the laboratory.

E-waste management:

- Different types of E-waste generated in the various department of the institute like damaged C.D.s, CPUs, Hard Disk Drives, Monitors, Keyboards, Cables, and Cartridges etc. are collected together from all departments and handed over to a central storage space allocated for them. If it is possible to repair it is repaired by the lab assistant, if it is not then it's send to the external E- waste recycler agencies.

File Description	Document
Link for Additional Information	[View Document](#)

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

The institute has rainwater harvesting system to collect the rain water. The huge volume of water from the roof of the institute is collected in the reservoir available in the college campus. This water is partially used for gardening and the remaining water is used for improving the ground water level. The college emphasizes on the significance of water conversation and explains to all the students the importance of preserving and saving it. Students are encouraged to use water wisely and only when necessary.

File Description	Document
Link for Additional Information	[View Document](#)

7.1.7 Green Practices
- **Students, staff using**
a) **Bicycles**
b) **Public Transport**
c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**

- **Green landscaping with trees and plants**

Response:

The Institute initiates and conducts many practices to save human health and environment.

Students, staff using Bicycles, Public Transport, Pedestrian friendly roads

- The Institute is 12 Km away from Jalna city but yet the institute appeals students residing in nearby areas to use bicycles.
- Many staff and students are using public transport to come to college.
- Also Institute provides bus facility for students and staff at different locations of Jalna city and at various routes.
- Institute provide bus facility for the different events and visits like, Industrial Visits, Industry Institute Interaction program, Youth Festival Event at University, etc.

- The roads inside the campus are pedestrian friendly.

Plastic-free campus

- Our Institute has banned plastic in college premises. Also we run various programs like Plastic Free Campus, Environmental Days Celebration, etc under NSS and Student Council.
- Institute appealed students and staff not to carry plastic in college.
- Boards of "Plastic Free Campus", "Do not use Plastic" are displayed in campus.

Paperless office

- Institute purchased and implemented ERP (Enterprise Resource Planning) software system for academic, administrative, etc works to reduce paper work.
- Institute purchased Web SMS System pack (Bulk SMS Service) to convey messages to students, parents and staff.
- In addition to this, Notices and Circulars by Principal are conveyed to concern Heads and Coordinators by emails and SMS.

Green landscaping with trees and plants

05-04-2019 01:09:34

- Institute has ample number of trees and lush green lawn in the campus.
- More trees are planted every year to beautify the campus by Institute's National Service Scheme (NSS) unit which organises various events like Tree Plantation, Van-Mahotsav, Medical Tree Plantation, Garden Preparation, etc.
- This activity helps in encouraging eco-friendly environment which provides pure oxygen within the institute and awareness among students.
- Drip Irrigation and Sprinkle Irrigation is adopted for watering the plants and lawn.
- Dedicated team of Gardener and worker is appointed for gardening and watering of all trees, Plants and lawn.

File Description	Document
Link for Additional Information	View Document

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 0.9

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
1.67906	1.33486	2.28436	0.81433	1.20121

File Description	Document
Green audit report	View Document
Details of expenditure on green initiatives and waste management during the last five years	View Document

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: D. At least 2 of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document
link to photos and videos of facilities for Divyangjan	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 3

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
02	00	00	00	1

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document
Any additional information	View Document

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 7

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

05-04-2019 01:09:36

2017-18	2016-17	2015-16	2014-15	2013-14
03	02	00	1	1

File Description	Document
Report of the event	[View Document](#)

7.1.12
Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response: Yes

File Description	Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	[View Document](#)

7.1.13 Display of core values in the institution and on its website

Response: Yes

File Description	Document
Any additional information	[View Document](#)
Provide URL of website that displays core values	[View Document](#)

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Response: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	[View Document](#)
Any additional information	[View Document](#)

7.1.15 The institution offers a course on Human Values and professional ethics

Response: No

05-04-2019 01:09:37

File Description	Document
Any additional information	View Document
Provide link to Courses on Human Values and professional ethics on Institutional website	View Document

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Response: No

File Description	Document
Provide URL of supporting documents to prove institution functions as per professional code	View Document

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response: 6

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2	1	1	1	1

File Description	Document
List of activities conducted for promotion of universal values	View Document
Any additional information	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

All Jayantis, Punya-tithis, National and International Days, National Festivals, etc is celebrated by the Institute. Institute conducts Jayanti and Punyatitithi of great leaders like Mahatma Gandhi, Dr. A.P.J.

Abdul Kalam, Sardar Vallabhbhai Patel, Dr. Bhimrao Ambedkar, Chatrapati Shivaji Maharaj Jayanti, Dr.Sarvepalli Radhakrishanan, Dr. Mokshagundam Vishveshwarayya, Indira Gandhi, Lal Bahadur Shastri, etc with great enthusiasm. The Institute celebrates Teachers Day and Engineers day collaboratively in open air theatre. The eminent personalities are called for this program to encourage and motivate the students. Also Institute celebrates Chatrapati Shivaji Maharaj Jayanti with full enthusiasm and for this event Shiv-vyakhate is called for sharing their views.

File Description	Document
Any additional information	[View Document](#)

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

Students, staff and all stakeholders are enjoying working in transparent environment of the Institute. Institute have financial, academic, administrative and auxiliary function transparency.

Financial Transparency:

- Yearly budget is declared and sanctioned by the governing body of sanstha and institute body.
- Financial audit including examination audit, NSS audit has been done by third party with the help of Chartered Accountant (CA).
- Yearly fees of students are displayed in prospectus, pamphlets as well as on college website.

Academic Transparency:

- Subject distribution meeting is taken by Head of departments before starting of each semester.
- Time Table is displayed on Notice board as well as on college website before beginning of every semester.
- Assessed class test papers are seen by students followed by query resolving session if any.
- Class Test, Term Work marks, Attendance list, University exam time table, etc are displayed on notice board.
- Conduction of exam is fair and Institute grabbed "Adarsha Pariksha Kendra Puraskar"
- Term work marks are given as per criteria prescribed by Principal and Head of departments.

Administrative Transparency:

- Important circulars from statutory bodies like AICTE, DTE, UGC and affiliated University are regularly displayed on Notice board and college website.
- Regular meetings are conducted by Principal and Head of department, the Minutes of these Meetings are circulated to staff members for their reference and knowledge.
- Also Institute follows instructions and curriculum provided by Hon. AICTE, DTE and Dr. BAMU, Aurangabad.

File Description	Document
Any additional information	View Document

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

Best Practice – I

Title of the practice: Karmayogi Ankushraoji Tope Fee Waiver Scheme (K.A.T.F.W.S)

Objectives of the practice:

- To provide financial support to students belonging from economically weaker section of society for pursuing their Higher and Technical Education

The Context:

- The Institute is located in the rural vicinity of Jalna city, which is one of the cities in the Marathwada Region facing severe Draught conditions from past seven to eight years.
- The Aim of Visionary Ex. President and Founder of Matsyodari Shikshan Sanstha, Hon'ble Late. Adv. Ankushraoji Tope, was that despite of financial incapability, every child especially belonging to rural region should get education in his interested field.
- But as the market situation basically depends on Farming and Jalna Region always faced consistently low rainfall from past several years, it became difficult for many students to pursue higher and technical education especially open category students.
- In this context, the management came up with a solution by starting Karmayogi Ankushraoji Tope Fee Waiver Scheme to promote and encourage students to achieve their career in Engineering and Management Programs by providing financial assistance to such needy students.

The Practice:

- On the birthdate of Hon'ble Late. Adv. Ankushraoji Tope, President of the Sanstha i.e. 18th Sept of every Academic year, the Institute invites application from all interested students for K.A.T.F.W Scheme.
- The essential documents required are previous academic year result proof, proof of parent income

of last financial year and domicile certificate of the student.

- The Last date of application form is 25th Sept of that year.
- The applications are short listed and forwarded for approval from the Management of the Sanstha and approval is granted on 2nd Oct, Mahatma Jayanti of that year.
- After approval the sanctioned amount is waived from the student's fees and same is displayed on the notice board.

Evidences of success:

Sr. No.	Year	No. of Students Benefited	Total Fee Waived
1	2013-14	113	12,50,598/-
2	2014-15	97	14,50,350/-
3	2015-16	103	13,13,004/-
4	2016-17	52	07,12,439/-
5	2017-18	48	02,97,000/-

Problems encountered and resources required:

- Identification of real needy students. It is resolved by documental evidence of Economical condition of student and by checking his background details.
- Numbers of students are not fixed per year.

Best Practice – II

Title of the Practice: Teacher Guardian Scheme (TGS)

Objectives of the practice:

- To increase academic performance of students by personal counselling
- To encourage students participate in curricular, co-curricular and extra-curricular activities for holistic development

The Context:

- Most of the students come from Rural region and they face many problems in understanding the concept of Engineering education hence academic progress is not so good
- Students need personal attention and encouragement for academic, co-curricular and sports activities.

The Practice:

- Every Teacher Guardian is assigned a group of 15 to 20 students
- The TG conducts meet twice in a month to discuss several issues related to personal, academic, social etc.
- The TG has all necessary information about the student
- The TG do counselling to students for their academic progress and holistic development

Evidences of success:

- This practice has resulted in better examinations results, more regular attendance of students, increased participation in co-curricular activities and extra-curricular activities, better discipline in the campus and respectful relationship between the Teachers and Students.

Problems encountered and resources required:

- Understanding level of students are quite different as they majorly come from rural background
- Dedicated and committed staff are required to help students to resolve their problems

File Description	Document
Link for Additional Information	[View Document](#)

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

The vision of our college is, "To be a Premier Institute in the Region which develops Competent Engineers and Managers, capable of Leading Team with Social, Ethical and Environmental values". Coping up with the vision we at MSS's CET are continuously committed to uplift the educational standards in the institute

by conducting number of activities. The Sanstha has been awarded **"ADARSH SHIKSHAN SANSTHA"** by the Government of Maharashtra.

As most of our students come from rural region, we are clearly aware of their social and economic situation and hence to make them competent, we have started number of practices in Teaching and learning that ultimately results in the achievement of desired aim for our student. While describing the distinctiveness of the college the Teaching Learning activity i.e. The Pre-Submission Card is practised at our institute.

Pre-Submission card is the printed card with following mentioned details:

- Library registration
- NDL registration
- Class Test Record Verified
- Online Aptitude Test
- Feedback Mechanism Given
- Online MOOC Courses details

The Teacher Guardian is solely responsible to motivate and guide the students to complete the set of activities mentioned in the card before actual commencement of submission process for the respective semester. The student need to complete all said set of activities in the Pre-Submission card thereupon is permitted for actual term submission of the semester.

Describing the details of Pre-Submission card the very first thing is that the Student must complete the Library and National Digital Library (NDL) registration. The Library is the Source and Repository of knowledge. The NDL offers Educational material to users ranging from primary to post graduate levels. The NDL provides different types of Learning resources to students such as Audio and Video Lectures, e-Books, Thesis, Manuscripts etc. 10000+ NPTEL video lectures are available in engineering domain. Therefore every student must do compulsory registration of NDL and utilize its resources via Digital Library of the institute.

To promote the soft skill development of the student the institute conducts four Online Aptitude Test in the academic year i.e. two test per semester, out of which the student need to compulsorily participate in any one of the test. This is helpful for them to crack the aptitude tests that are carried out at various placement drives conducted in and off campus.

To promote global education culture the institute has started the activity that every student must at least go for one MOOC course per semester. The MOOC provides a chance of distance education with the best institutes in the world that too free of cost. Many MOOCs have communities that have interactive sessions and forums between the student, professors and Teaching Assistants (TAs) along with the study/course material and video lectures. This is very essential for up-liftment and increase competency in students to cope up with ongoing and upcoming trends and technologies in the global market.

Similarly, as mentioned in the vision of our institute to inculcate the social, ethical and environment consciousness amongst students the NSS cell and SRC (Student Representative Council) of the institute plays a vital role. The NSS every year conducts a camp of 7 days at the rural area of the region. A group of 40 students and also many other coordinators carry out different activities in that village that benefits to the villagers and also to students to be aware and make sincere efforts in their development. Numbers of

activities carried out at the camp are Water conservation awareness and water harvesting, Preparing Water Drainage system, Health awareness and Sanitation Program, Blind Faith Eradication Talk, Digital India Expert lecture, Awareness about use of ICT, Unnat Bharat Abhiyan, Solar and other Renewable Energy resources awareness, Beti Bachao Beti Padhao and Women Empowerment Programs, Blood Donation Camps etc. The SRC and YIN (Young Inspirators Network, Sakal Group, Maharashtra) collaboratively carry out activities such as Donation of One Book One Pen per student to support education of the poor and needy children from rural region, visits to Divyangjan school and Orphanage Houses to support them with educational resources, Ethical Education program, Voter registration campaign, Green Diwali Campaign, Save Bird Sparrow Campaign, Go Green Campaign etc.

File Description	Document
Link for Additional Information	View Document

5. CONCLUSION

Additional Information :

The college has excellent infrastructure situated, near to historical city Aurangabad. The college buses and local buses are available from Jalna city to college and travel time is hardly 15 minutes. The Institute has well planned and ventilated infrastructure for each department. All departments have well equipped laboratories with facilities for experiments. All departments have Internet facility with OFC backbone and 32 Mbps leased line Internet link. Seminars, Contests, Short-term courses and various educational programs are conducted regularly for students and faculty. It offers a thorough living and learning experience with its spacious class rooms, well equipped computer labs, Soft skill Labs etc.

The management and faculty commit themselves to their pursuit of excellence in technical education through dissemination of knowledge, development and technical skills. Applying to NAAC is one step in the quest for excellence to contribute to the society and nation building. The Management is supportive in adapting new trends and technologies and up gradation of the institute according to the ongoing market demands. Adopted methods are:

- ICT based teaching learning
- Digital Library and E-Resources
- Social Awareness through Extension Activities
- Applying for Industrial project through MASSIA and other industries
- Virtual Labs, MOOC and Online Test for Students for better practical exposure

Concluding Remarks :

The institute is committed to develop Engineers & Managers through Best Teaching Learning practices with team spirit. Our students and Teachers are enabled to Excel in the Technical & Industrial field with Values of Life and participate in Nation building. The Institute also Commits for continuous improvement in Skills, System, Infrastructure and Services to satisfy all the Stakeholders.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.1.3	Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years 1.1.3.1. Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years Answer before DVV Verification: <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>30</td><td>20</td><td>23</td><td>15</td><td>10</td></tr></table> Answer After DVV Verification : <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>00</td><td>01</td><td>00</td><td>01</td><td>03</td></tr></table>
1.2.1	Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years 1.2.1.1. How many new courses are introduced within the last five years Answer before DVV Verification : 79 Answer after DVV Verification: 349 Remark : As per the HEI data all the courses (349 in Metric 1.1) are new courses. The value is changed to 348 to overcome technical check.
1.2.3	Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years 1.2.3.1. Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years Answer before DVV Verification: <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>202</td><td>298</td><td>256</td><td>65</td><td>19</td></tr></table> Answer After DVV Verification : <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>202</td><td>298</td><td>256</td><td>65</td><td>19</td></tr></table>
2.1.1	Average percentage of students from other States and Countries during the last five years

2.1.1.1. Number of students from other states and countries year-wise during the last five years
Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
1	3	1	1	3

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
00	00	00	1	02

2.3.2	Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. 2.3.2.1. Number of teachers using ICT Answer before DVV Verification : 65 Answer after DVV Verification: 00 Remark : The HEI has not provided any details of the teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. as requested.
2.3.3	Ratio of students to mentor for academic and stress related issues 2.3.3.1. Number of mentors Answer before DVV Verification : 64 Answer after DVV Verification: 58 Remark : As per HEI data attached with the Metric in response.
2.4.3	Teaching experience per full time teacher in number of years 2.4.3.1. Total experience of full-time teachers Answer before DVV Verification : 2336 years Answer after DVV Verification: 514 years
3.1.1	Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs) 3.1.1.1. Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs) Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
6.13260	0	0	0	0

	Answer After DVV Verification :				
	2017-18	2016-17	2015-16	2014-15	2013-14
	6.13260	0	0	0	0

3.1.2	Percentage of teachers recognised as research guides at present 3.1.2.1. Number of teachers recognised as research guides Answer before DVV Verification : 5 Answer after DVV Verification: 01

3.1.3	Number of research projects per teacher funded, by government and non-government agencies, during the last five year
	
	   3.1.3.1. Number of research projects funded by government and non-government agencies during the last five years
	Answer before DVV Verification : 3
	Answer after DVV Verification: 00
	   3.1.3.2. Number of full time teachers worked in the institution during the last 5 years
	Answer before DVV Verification : 538

3.3.1	The institution has a stated Code of Ethics to check malpractices and plagiarism in Research Answer before DVV Verification : Yes Answer After DVV Verification: Yes

3.3.4	Number of research papers per teacher in the Journals notified on UGC website during the last five years 3.3.4.1. Number of research papers in the Journals notified on UGC website during the last five years Answer before DVV Verification:

	2017-18	2016-17	2015-16	2014-15	2013-14
	61	38	29	21	23

Answer After DVV Verification :

	2017-18	2016-17	2015-16	2014-15	2013-14
	50	36	27	18	22

3.3.5	Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years 3.3.5.1. Total number of books and chapters in edited volumes / books published, and papers in national/internsyational conference-proceedings year-wise during the last five years Answer before DVV Verification:

	2017-18	2016-17	2015-16	2014-15	2013-14

| 40 | 16 | 11 | 19 | 16 |

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
14	07	03	06	02

3.4.2	Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years 3.4.2.1. Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
6	3	1	2	2

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
6	3	1	2	2

3.4.3	Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years 3.4.3.1. Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
33	24	6	17	16

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
33	24	6	17	16

3.4.4	Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years 3.4.4.1. Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
803	845	921	1014	1047

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
630	540	00	125	40

Remark : As per the HEI data not considering the activities through NSS and RRC. The HEI has attached a comprehensive report in support of its claim. The title of the report " Regular NSS Activities and programs". It is thereby inferred that all the reports are of NSS activities and not activities through NGO.

3.5.1	Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years 3.5.1.1. Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years Answer before DVV Verification: 表1 Answer After DVV Verification : 表2

Table (Answer before DVV Verification) for 3.5.1:

2017-18	2016-17	2015-16	2014-15	2013-14
31	32	17	12	15

Table (Answer After DVV Verification) for 3.5.1:

2017-18	2016-17	2015-16	2014-15	2013-14
31	32	17	12	15

3.5.2	Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered) 3.5.2.1. Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered) Answer before DVV Verification:

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
5	6	0	0	0

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
02	00	0	0	0

Remark : The HEI has attached MoU's All except 01 with CIPET signed on own Letter Head. None of these have a period of validity or life. (The one with CIPET has 01 year) The HEI has even included an MoU date 04 Apr 18 which in text is between an industry partner and UNIVERSAL COLLEGE OF ENGINEERING VASAI and not the HEI. No MoU with life span of 0-3 years can be considered. The HEI was requested to provide these on Stamp Paper. The same has not been done.

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

4.1.3.1. Number of classrooms and seminar halls with ICT facilities
Answer before DVV Verification : 26
Answer after DVV Verification: 10

Remark : As per the HEI data in the attachment where the HEI has 05 class rooms with Smart Board/LCD, LAN/Wi-Fi Internet Connectivity and 05 seminar halls with LCD, Screen, Computer System, LAN/Wi-Fi Internet Connectivity LCD, Screen, Computer System, LAN/Wi-Fi Internet Connectivity LCD, Screen, Computer System, LAN/Wi-Fi Internet Connectivity LCD, Screen, Computer System, LAN/Wi-Fi Internet Connectivity LCD, Screen, Computer System, LAN/Wi-Fi Internet Connectivity

| 4.1.4 | Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years. |

4.1.4.1. Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
32.25	14.25	19.25	50	137

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
30.25	12.25	17.25	45	135

Remark : As per the HEI data attached. The attached sheets are NOT signed by the CA.

| 4.2.4 | Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs) |

4.2.4.1. Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
1.48376	21.14349	2.97616	31.83486	27.19303

	Answer After DVV Verification :				
	2017-18	2016-17	2015-16	2014-15	2013-14
	1.48376	2.11	2.98	3.18	2.7

Remark : As per the HEI data attached. The attached sheets are NOT signed by the CA.

5.1.2	Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

5.1.2.1. Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
48	52	103	97	116

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
48	52	103	97	116

5.1.4	Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

5.1.4.1. Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
818	398	190	151	188

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
230	338	290	151	188

5.2.3	Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1. Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
11	5	5	1	0

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
11	5	5	1	0

5.2.3.2. Number of students who have appeared for the exams year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14

| 5.3.3 | Average number of sports and cultural activities/ competitions organised at the institution level per year

5.3.3.1. Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
18	17	17	15	12

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
06	05	05	05	04

| 5.4.3 | Number of Alumni Association / Chapters meetings held during the last five years

5.4.3.1. Number of Alumni Association /Chapters meetings held year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
3	1	1	1	1

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
00	00	00	00	00

Remark : As per the website galleries some functions have been noted. The HEI was requested to provide details and report of the Alumni Association through a link on its website. The website Alumni link does not have any information. The HEI link attached with the Metric in response is inoperative.
 |

6.2.3	Implementation of e-governance in areas of operation
	1. Planning and Development 2. Administration 3. Finance and Accounts 4. Student Admission and Support 5. Examination Answer before DVV Verification : A. All 5 of the above Answer After DVV Verification: A. All 5 of the above
6.3.2	Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years 6.3.2.1. Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years Answer before DVV Verification: 	2017-18	2016-17	2015-16	2014-15	2013-14
---	---	---	---	---
49	32	16	22	14 | Answer After DVV Verification : | 2017-18	2016-17	2015-16	2014-15	2013-14
---	---	---	---	---
49	32	16	22	14	
6.3.3	Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years 6.3.3.1. Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years Answer before DVV Verification: 	2017-18	2016-17	2015-16	2014-15	2013-14
---	---	---	---	---
9	2	2	2	1 | Answer After DVV Verification : | 2017-18	2016-17	2015-16	2014-15	2013-14
---	---	---	---	---
04	2	2	2	1	
6.3.4	Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years 6.3.4.1. Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
61	36	28	53	19

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
01	06	01	00	01

6.5.3	Average number of quality initiatives by IQAC for promoting quality culture per year
	6.5.3.1. Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
14	2	2	1	1

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
05	01	2	1	1

Remark : The HEI has included FDP's which have been considered else where. Online Test Series, Pre Submission Card, Course Plan Manual Update are all routine activities and are not specific quality initiatives.

6.5.4	Quality assurance initiatives of the institution include:
	1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements
	2. Academic Administrative Audit (AAA) and initiation of follow up action
	3. Participation in NIRF
	4. ISO Certification
	5. NBA or any other quality audit
	Answer before DVV Verification : B. Any 3 of the above
	Answer After DVV Verification: D. Any 1 of the above
	Remark : The HEI has uploaded its website for NIRF but not IQAC meetings and ATR as claimed.

7.1.1	Number of gender equity promotion programs organized by the institution during the last five years

7.1.1.1. Number of gender equity promotion programs organized by the institution year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
6	5	3	3	3

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
04	03	3	3	3

7.1.3	Alternate Energy initiatives such as:

1. Percentage of annual power requirement of the Institution met by the renewable energy sources

7.1.3.1. Annual power requirement met by the renewable energy sources (in KWH)
Answer before DVV Verification : 46987
Answer after DVV Verification: 470
7.1.3.2. Total annual power requirement (in KWH)
Answer before DVV Verification : 62462
Answer after DVV Verification: 62462

Remark : The website has the same numbers input by the HEI. However the HEI has not provided the required proof. Value of 2KW solar panels are estimated. The HEI did not provide Bills for power.

7.1.9	Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

Answer before DVV Verification : B. At least 6 of the above
Answer After DVV Verification: D. At least 2 of the above

7.1.10	Number of Specific initiatives to address locational advantages and disadvantages during the last five years 7.1.10.1. Number of specific initiatives to address locational advantages and disadvantages

year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
4	3	1	1	1

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
02	00	00	00	1

7.1.11	Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere) 7.1.11.1. Number of initiatives taken to engage with and contribute to local community year-wise during the last five years Answer before DVV Verification: _table1_ Answer After DVV Verification : _table2_

table1:

2017-18	2016-17	2015-16	2014-15	2013-14
7	5	1	1	1

table2:

2017-18	2016-17	2015-16	2014-15	2013-14
03	02	00	1	1

7.1.14	The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations Answer before DVV Verification : Yes Answer After DVV Verification: Yes
7.1.15	The institution offers a course on Human Values and professional ethics Answer before DVV Verification : Yes Answer After DVV Verification: No
7.1.16	The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions Answer before DVV Verification : Yes Answer After DVV Verification: No

2.Extended Profile Deviations

ID	Extended Questions
1.1	Number of courses offered by the institution across all programs during the last five years Answer before DVV Verification : 568 Answer after DVV Verification : 349

05-04-2019 01:09:44

2.2	Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
235	283	283	283	359

Answer After DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
201	243	243	243	303

2.3	Number of outgoing / final year students year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
183	287	232	165	194

Answer After DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
247	332	255	171	209

3.1	Number of full time teachers year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
75	96	129	131	105

Answer After DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
75	96	129	131	105

3.2	Number of sanctioned posts year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
72	96	128	130	112

Answer After DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
75	96	129	131	112

4.2	Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
134.00450	117.03112	196.88358	263.94861	358.94121

Answer After DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
134.0	117.03	196.88	163.95	258.94

4.3	Number of computers Answer before DVV Verification : 362 Answer after DVV Verification : 151