



YEARLY STATUS REPORT - 2023-2024

Part A

Data of the Institution

1.Name of the Institution

MOHAMED SATHAK ENGINEERING
COLLEGE

- Name of the Head of the institution **Dr.V.Nirmal Kannan**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**
- Phone no./Alternate phone no. **04567241327**
- Mobile no **9884883958**
- Registered e-mail **principal@msec.org.in**
- Alternate e-mail **msecprincipal@gmail.com**
- Address **Sathak Nagar , ECR , Mayakulam**
- City/Town **Kilakarai**
- State/UT **Tamil Nadu**
- Pin Code **623806**

2.Institutional status

- Affiliated /Constituent **Anna University**
- Type of Institution **Co-education**
- Location **Rural**

- Financial Status **Self-financing**
- Name of the Affiliating University **Anna University**
- Name of the IQAC Coordinator **N.Balasubramanian**
- Phone No. **04567241327**
- Alternate phone No. **9791919703**
- Mobile **8754795450**
- IQAC e-mail address **principal@msec.org.in**
- Alternate Email address **iqac@msec.org.in**

3.Website address (Web link of the AQAR (Previous Academic Year)

<https://www.msec.org.in/iqac.php>

4.Whether Academic Calendar prepared during the year?

Yes

- if yes, whether it is uploaded in the Institutional website Web link:

<https://www.msec.org.in/uploads/academic-calendar/Anna-University-Schedule.pdf>

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A+	3.49	2023	21/04/2023	20/04/2028

6.Date of Establishment of IQAC

04/10/2012

7.Provide the list of funds by Central / State Government

UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Nil	Nil	Nil	Nil	Nil

8.Whether composition of IQAC as per latest NAAC guidelines

Yes

- Upload latest notification of formation of IQAC

[View File](#)

9.No. of IQAC meetings held during the year **2**

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report No File Uploaded

10.Whether IQAC received funding from any of the funding agency to support its activities during the year? **No**

- If yes, mention the amount

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

Conducted Academic and Administrative audit

Participated in NIRF Ranking

Participated in ARIIA Ranking and IIC Ranking

Preparation for NBA Audit

Certificate Courses, Subject Related Certificate Courses and Value added courses through NPTEL / online Preplacement training programmes were directed to enhance the level of placement. Motivational and Career guidance training Programmes were offered to strengthen the confidence level of students to pursue their higher studies and for better placement.

12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
NBA Accreditation	CSE and IT departments accredited by NBA for Three Years from 2024-25 to 2026-27
Research Centre Approval from Anna University	Anna University approved Research Centres in Mechanical & Physics Departments.
NIRF Ranking	Participated among Premier Institutions of the Nation consecutively for three years in NIRF Ranking by MHRD
Achievement in NPTEL	Received Aspirant Award 2024 from IIT with 145 Staff & 305 Students - Achieved Gold-01, Silver-30.
IIT-Bombay Spoken Tutorial Online Courses	About 1787 students received certificates in Spoken Tutorial courses offered by IIT-Bombay (2023-2024). Total courses: 68; No. of FDPs organized: 10.
Establishment of IPR Cell	Established by Tamil Nadu State Council for Science and Technology (TNSCST) in 2023. Totally 25 centres have been developed in Tamil Nadu (Regionwise) by TNSCST. We are proud to say, we are one among in that IPR cell (for Ramanathapuram District) sponsored by TNSCST.
Participation in AICTE-UHV Program	Faculty members participated in the program titled
Industry Institution Interaction	30 MOUs endorsed by MSEC with notable institutions including NIT Trichy, Ashok Leyland, Elysium Group of Technologies, Tree lines Educational and Research Centre, Majestic Technologies, The Besant Technology, M/S Advanced Quality

	Centre, and IIT Bombay.
Improvement in IIC Rating	Secured 3.0 Stars in IIC for promoting Innovation and Start-Up in Campus with 70 activities during 2023-2024.
Research and Development	Received Rs. 84.4 Lakhs for System on Chip Design for Diagnosis of Eye diseases in Retinal Image through the Chip to Start-up Program from Ministry of Electronics & Information Technology, Govt. of India

13. Whether the AQAR was placed before statutory body? Yes

- Name of the statutory body

Name	Date of meeting(s)
Governing Council	17/04/2024

14. Whether institutional data submitted to AISHE

Part A

Data of the Institution

1.Name of the Institution	MOHAMED SATHAK ENGINEERING COLLEGE
• Name of the Head of the institution	Dr.V.Nirmal Kannan
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	04567241327
• Mobile no	9884883958
• Registered e-mail	principal@msec.org.in
• Alternate e-mail	msecprincipal@gmail.com
• Address	Sathak Nagar , ECR , Mayakulam
• City/Town	Kilakarai
• State/UT	Tamil Nadu
• Pin Code	623806
2.Institutional status	
• Affiliated /Constituent	Anna University
• Type of Institution	Co-education
• Location	Rural
• Financial Status	Self-financing
• Name of the Affiliating University	Anna University
• Name of the IQAC Coordinator	N.Balasubramanian

• Phone No.	04567241327				
• Alternate phone No.	9791919703				
• Mobile	8754795450				
• IQAC e-mail address	principal@msec.org.in				
• Alternate Email address	iqac@msec.org.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.msec.org.in/iqac.php				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.msec.org.in/uploads/academic-calendar/Anna-University-Schedule.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A+	3.49	2023	21/04/2023	20/04/2028
6.Date of Establishment of IQAC			04/10/2012		
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
Nil	Nil	Nil	Nil	Nil	
8.Whether composition of IQAC as per latest NAAC guidelines			Yes		
• Upload latest notification of formation of IQAC			View File		
9.No. of IQAC meetings held during the year			2		
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional			Yes		

website?	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded
10. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
<ul style="list-style-type: none"> If yes, mention the amount 	
11. Significant contributions made by IQAC during the current year (maximum five bullets)	
Conducted Academic and Administrative audit	
Participated in NIRF Ranking	
Participated in ARIIA Ranking and IIC Ranking	
Preparation for NBA Audit	
Certificate Courses, Subject Related Certificate Courses and Value added courses through NPTEL / online Preplacement training programmes were directed to enhance the level of placement. Motivational and Career guidance training Programmes were offered to strengthen the confidence level of students to pursue their higher studies and for better placement.	
12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year	
Plan of Action	Achievements/Outcomes
NBA Accreditation	CSE and IT departments accredited by NBA for Three Years from 2024-25 to 2026-27
Research Centre Approval from Anna University	Anna University approved Research Centres in Mechanical & Physics Departments.
NIRF Ranking	Participated among Premier Institutions of the Nation consecutively for three years in NIRF Ranking by MHRD
Achievement in NPTEL	Received Aspirant Award 2024

	from IIT with 145 Staff & 305 Students - Achieved Gold-01, Silver-30.
IIT-Bombay Spoken Tutorial Online Courses	About 1787 students received certificates in Spoken Tutorial courses offered by IIT-Bombay (2023-2024). Total courses: 68; No. of FDPs organized: 10.
Establishment of IPR Cell	Established by Tamil Nadu State Council for Science and Technology (TNSCST) in 2023. Totally 25 centres have been developed in Tamil Nadu (Regionwise) by TNSCST. We are proud to say, we are one among in that IPR cell (for Ramanathapuram District) sponsored by TNSCST.
Participation in AICTE-UHV Program	Faculty members participated in the program titled
Industry Institution Interaction	30 MOUs endorsed by MSEC with notable institutions including NIT Trichy, Ashok Leyland, Elysium Group of Technologies, Tree lines Educational and Research Centre, Majestic Technologies, The Besant Technology, M/S Advanced Quality Centre, and IIT Bombay.
Improvement in IIC Rating	Secured 3.0 Stars in IIC for promoting Innovation and Start-Up in Campus with 70 activities during 2023-2024.
Research and Development	Received Rs. 84.4 Lakhs for System on Chip Design for Diagnosis of Eye diseases in Retinal Image through the Chip to Start-up Program from Ministry of Electronics & Information Technology, Govt. of India

13. Whether the AQAR was placed before statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	
Name	Date of meeting(s)
Governing Council	17/04/2024
14. Whether institutional data submitted to AISHE	
Year	Date of Submission
2024	04/02/2024
15. Multidisciplinary / interdisciplinary	
<p>Mohamed Sathak Engineering College (MSEC) is an age-old institution affiliated to Anna University. The curriculum is designed based on CBCS (Choice Based Credit System) pattern as directed by the affiliating university. The courses are categorized as follows: i) Humanities, Social Sciences and Management Courses (HSMC) which includes Professional English, Communication skills etc. ii) Basic Sciences Courses (BSC) which includes Mathematics, Physics, Chemistry, Biology, Environmental Science etc. iii) Engineering Sciences Courses (ESC) which includes Engineering Practices, Engineering Graphics, Basics of Civil / Mechanical / Electrical / Electronics / Instrumentation, Computer Engineering, etc. iv) Professional Core Courses (PCC) comprising the core courses relevant to the chosen specialization/branch. v) Professional Elective Courses (PEC) comprising the elective courses relevant to the chosen specialization/ branch. vi) Open Elective Courses (OEC) which includes the courses offered by a branch to other branches, from the list specified in the respective curriculum of the B.E. / B. Tech. / B. Arch. Programmes. vii) Employability Enhancement Courses (EEC) which includes Project Work, Internship, Seminar, Professional Practices, Case Study and Industrial/Practical Training etc. viii) Audit courses (AC) which composes of the courses such as Constitution of India, Sangam literature etc. Apart from the above acknowledged and prescribed category of courses, the students are encouraged to learn any multidisciplinary/interdisciplinary courses through our technology centres which provides "Learning through experience" arena. These courses are often conducted as afternoon sessions to</p>	

avoid creating a hindrance to the regular academic schedule. This multidisciplinary / interdisciplinary approach is followed by all programmes through the medium of project work, field visits, study tours, and internships.

16.Academic bank of credits (ABC):

MSEC is consistently maintaining the data of the academic credits earned by students. It is stored as databases in the systems implanted in respective departments. If a student discontinues from our institution and joins in some other institution in any inevitable situations, he/she can obtain marksheet from our affiliating university and produce it in the new institution so that the credits already earned by the student will also be taken into account. Implementation of Academic Bank of Credits system with a central database is totally based on the directions given by our affiliating university and Higher Education Department of Tamil Nadu. Considering its importance in mind, this institution makes sure the immediate implementation of Academic Bank Record. This system is inculcated after receiving the guidelines from the regulating authorities.

17.Skill development:

A cardinal requisite of an engineering student is to get equipped with various skills in interdisciplinary areas. MSEC has taken various initiatives to develop the skills of students by training them through various technology centres established inside the college premises apart from the laboratory facilities mandated by the regular curriculum. Students are trained by in-house faculty in these centres and certified by various agencies like Automation Anywhere, CISCO, Altair, Jet Aerospace Research Centre, etc. We conduct the value-added courses prescribed by our affiliating university in different disciplines and this would enable them to earn academic credits apart from the skills they acquire. Apart from these skill training courses, we are also offering awareness lectures and hands-on training courses to the school and polytechnic students at free of cost.

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

In order to promote /integrate the local language, art and culture, various activities are being conducted in the college every regional language. To enhance the interaction and promote mutual understanding people of different states with different languages and different cultures, our institution has made collaboration with various Engineering colleges and schools. To

promote the culture of Tamil people, The famous Tamil festival called "Pongal" our institute coalesces with faculty and staff members to celebrate the festival inside the campus. During this festival various events and competitions are being conducted to promote our ancient culture. Like Pongal various other festivals like Onam, Christmas and Ramzan are also celebrated in the campus to inculcate various regional culture and tradition to the students.

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

All the programmes offered by our institute are well formulated, achievable and measurable with determined Programme Educational Objectives (PEOs), which the graduates would be able to achieve in their career. The curriculum is designed with twelve Programme Outcomes (POs) as prescribed by National Board of Accreditation. Each programme consists of Programme Specific Outcomes (PSOs) which our graduates would be able to present by themselves after completion of the programme. Apart from the above designed outcomes, each course has five to six course outcomes which are formulated in coordination with POs and PSOs. These course outcomes are formulated in such a way that they can be achieved and measured at the end of each course by a distinctive process. The content delivery of each course is meticulously planned at the beginning of the semester and recorded precisely in the lesson plan. The notes of lesson are also prepared by taking the course outcomes as reference and uploaded in the website for the future reference of the students. Variety of teaching-learning approaches are implanted in order to achieve the outcomes designed at the beginning. The POs that are not covered in regular content delivery of courses, are thought through experiential learning methods. CO attainment is calculated in a 3-point scale at the end of each course and PO and PSO attainments are consecutively calculated in a 3-point scale at the end of programme. Based on the final attainment levels, the course outcomes will be revised and analyzed whether it requires any modification. All the above outcomes are defined meticulously as the institution strives hard to restore the spirit of NEP.

20.Distance education/online education:

Our institution solemnly has taken advantage of the lockdown due to COVID-19 by engaging classes in online mode, organizing webinars, faculty development programmes and conducting conferences and meetings in every possible virtual platform. Our students and faculty members have completed many courses in online mode not only during the lockdown but are still in the

process of upgrading their skills through various online learning platforms like NPTEL, UdeMy etc. To achieve greater heights in learning, some of the laboratory classes were even conducted in virtual mode. Our institute encourages and supports activities to be conducted in virtual mode because it breaks the geographical barriers and reaches different audience when compared to physical mode.

Extended Profile

1.Programme

1.1	549
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	1458
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2	329
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	View File

2.3	320
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	View File

3.Academic

3.1	192
Number of full time teachers during the year	
File Description	Documents
Data Template	View File
3.2	192
Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	76
Total number of Classrooms and Seminar halls	
4.2	917
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	692
Total number of computers on campus for academic purposes	
Part B	
CURRICULAR ASPECTS	
1.1 - Curricular Planning and Implementation	
1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process	
<p>Mohamed Sathak Engineering College (MSEC) is approved by AICTE and affiliated to the Anna University, Chennai. MSEC is offering 13UG Programs, 9 PG Programs in Engineering & Technology and a Research program in Science and Humanities. The Institute follows the curriculum approved by the BoS of Anna University and implements the syllabus with course objectives and evaluation schemes for every course. Our faculty members also participate at various bodies of the University such as Academic Council, Board of Studies (BOS), and subject chairman who contribute in framing of syllabus regularly. Institute has an Academic Administration</p>	

Committee (AAC) comprising of Principal, Heads of the Department (HoD's) and Internal Quality Assurance Cell (IQAC) that are responsible for planning, monitoring and implementation of overall academic activities like preparation of timetable, identification of learning gaps, industry expectations, emerging skills, knowledge enhancement, faculty training and designing of new courses in this backdrop, planning and conduct of programs for curriculum enhancement. The Program coordinator monitors the conduct of the academics. Academic calendar is prepared to fulfill the objectives of the curriculum delivery. MSEC is affiliated to Anna University, T.N., and follows the curriculum prescribed by it.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://cac.annauniv.edu/aidetails/ai_ug_cands_2021ft.html

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

Academic calendar is prepared to fulfill the objectives of the curriculum delivery. MSEC is affiliated to Anna University, T.N., and follows the curriculum prescribed by it. The Institution Academic Calendar is finalized in alignment with the University calendar. Based on Academic Advisory Committee inputs, Co-curricular and extra-curricular activities are planned in academic calendar. Annual Calendar of events is prepared which consists of plan for Internships, Field tours and projects. Lectures are scheduled for connecting the requirements of industry and academics. Before the start of every academic session, Principal conducts meeting with Vice- Principal, Academic Dean, Heads of all the Departments, and finalize Academic Policy which covers following points: Teaching Load Distribution (theory and practical) is appropriately allotted among the faculty members. Competency mapping is undertaken at department level to ensure that most suitable teachers handle the courses based on their specialization and experience. Time table is prepared as per the teaching scheme of Anna University and as per department requirements by the Time-Table Committee. Time table is prepared at the Department level - teacher wise - class wise as a matrix structure.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://www.msec.org.in/academiccalendar.php

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

B. Any 3 of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

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

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

22

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

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

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

51

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

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

980

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

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

The Anna University curriculum includes value added courses such as Gender equality, Environmental consciousness and sustainability, Human Values and Professional Ethics into the regular Curriculum. Institute organizes various activities like awareness programme on Human Values and Environmental Sustainability. Final year students are encouraged to take projects which address interdisciplinary issues viz. Green energy, clean and green manufacturing, eco-friendly and sustainable manufacturing, low cost green houses, etc. MSEC offers this wide range of courses to its students to mould them into all round competent professional based on their interests and inclinations Professional Ethics and Human Values: Professional Ethics and Human Values course are offered as per regular curriculum of Anna University to all branches of Engineering. This course focuses on human values and discusses engineering ethics, explains safety and risk factors, responsibilities and rights of engineers and

addresses global issues, computer, and environmental ethics. Gender Equality: MSEC gives equal opportunities to both the genders in terms of admissions, training, placement, cocurricular and extra-curricular activities, NSS, NCC, Sports and Cultural Clubs, so that gender issues do not arise. The institute has constituted various committees including Women Empowerment Cell, Women Grievance & Redressal Committee. These committees help in promoting issues/programs on gender equity, promoting leadership qualities in women and also handle issues related to safety

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

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

406

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

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

278

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

1.4 - Feedback System

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

A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://www.msec.org.in/feedbackform.php
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

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

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://www.msec.org.in/feedbackform.php

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

471

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

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

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

233

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

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

After admission, the Institution assesses the learning level of the students and organizes various programs for advanced learners and slow learners. A Bridge Course is conducted before the first-year syllabus begins, bridging gaps in foundational knowledge. Periodic Guest Lectures by experts enrich students' knowledge, keeping them updated on technological advancements and linking academic learning to real-world applications.

Industrial Visits provide insights into industrial practices, aligning students with industry expectations. Workshops and Seminars foster leadership, communication, and networking skills, motivating students while enhancing their understanding of current affairs.

For slow learners, special coaching classes are scheduled thrice a week, complemented by tailored materials, revision content, and personal counseling. Advanced learners benefit from resources like advanced materials, online certification programs, and competitive exam coaching. They are also encouraged to present papers at seminars and participate in skill development activities.

Faculty continuously monitor students' progress through tests and

assignments, ensuring personalized guidance. This comprehensive approach improves students' technical knowledge, boosts academic performance, enhances project quality, and increases placements in reputable companies. These efforts ensure both slow and advanced learners achieve their potential in a supportive learning environment.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

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

Number of Students	Number of Teachers
1458	192

File Description	Documents
Any additional information	View File

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

The learning process is made Student-Centric for their holistic development and knowledge enhancement and the entire system is geared towards this objective. The institution adopts the following Student-Centric methods.

Experiential Learning:

- ICT mode of teaching for active classroom participation
- Online learning through Spoken Tutorials for the courses offered in the syllabus
- Mandatory library hours to improve reference skills and knowledge level
- Learning through practical classes
- Incorporating audio visual materials using multimedia elements, and supplementing textbooks with digital text, movies, and pictorial material, Google Applications, MicrosoftPowerPointt.
- Opportunity to enroll in value-added courses

- Synthesizing theory and practice through field-based study, project works, and case studies
- Open book tests to train the students to think analytically and critically
- Visit to industrial houses and educational tours help the students get practical exposure

Participative Learning :

- Dialogic approach in teaching and collaborative learning
- Learning through programming classes, group discussions, debates, paper presentations, seminars, lectures, and quiz competitions
- Participating in curricular,co-curricular competitions
- Opportunity to participate in NSS to understand the Social needs and problems.

Problem Solving Methods :

- Learning in peer groups to do assignments and solve problems
- Discussions on GATE and Competitive Examination questions, research papers and journals for subject updates
- Case Study Analysis

File Description	Documents
Upload any additional information	View File
Link for additional information	https://www.msec.org.in/uploads/naac/agar/2023-2024/2.3.1/2.3.1.pdf

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

- All the Classrooms are ICT enabled which includes computers, projectors, speakers, touch pad-pen, learning software, and mobile applications giving students opportunities for effective learning.
- All the faculty members effectively use the Audio-Visual aids to demonstrate the concepts using the e-resources from NPTEL to improve the learning experience.
- Teachers using the ICT mode of teaching are helpful for active classroom participation. Online learning through Spoken Tutorials for the courses offered in the syllabus enables the students to

increase their interest in the subject and learn recent concepts in the particular domain.

- This mode of teaching is designed to inspire, teach and train the students to utilize up-to-date IT tools and techniques that facilitate classroom teaching with a better experience. Workshops and Seminars are hosted in online mode to address the current needs of the student community. Technical training is provided to the students by highly skilled lecturers.

- The use of ICT in the classroom, showing more interest and becoming more involved in the areas they study. ICT enables the use of innovative educational resources and the renewal of learning methods, establishing a more active collaboration of students and the simultaneous acquisition of technological knowledge.

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

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

2.3.3.1 - Number of mentors

192

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

192

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	View File

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

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

58

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

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

2.4.3.1 - Total experience of full-time teachers

9

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

2.5 - Evaluation Process and Reforms

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

Internal marks are based on Internal Assessment Tests, model exams, and attendance percentage, which are periodically communicated to parents. Answer scripts are shown to students post-evaluation to identify discrepancies, which are corrected as necessary. The Head of the Department (HOD) randomly verifies Internal Assessment Records to ensure a fair assessment. Students are informed about Internal Assessment processes, reevaluation, and exam patterns through circulars and the college calendar. Before assessments, a Question Bank is provided for exam preparation.

Each semester includes three-unit tests, one model examination for theory subjects, and one for practicals. Continuous evaluation is followed for practical subjects. The Institute has implemented evaluation reforms introduced by the University by forming an Examination Committee, which nominates departmental examination coordinators. The committee periodically addresses examination-related issues, ensuring effective test implementation and declaring results within a week. Micro-level assessments are conducted for all subjects.

An e-Academic Calendar, available on the college website, specifies test schedules, working days, and holidays. Evaluation completion is followed by review meetings with the HOD and institution heads, discussing student performance and well-being. These measures aim to maintain transparency and uphold academic standards while fostering student growth and effective assessment practices.

File Description	Documents
Any additional information	View File
Link for additional information	https://www.msec.org.in/uploads/naac/aqar/2023-2024/2.5.1/2.5.1.pdf

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

Every Course Teacher must give proper feedback about the questions asked in the university Examinations. They indicate any discrepancy in the Question papers like out of syllabus and unbalanced unit Coverage.

The attendance earned by the student and the marks secured in the Internal Assessment tests is entered periodically in the Anna University web portal as per the schedule provided by the

university. Internal marks and End Semester University Examination marks are also communicated to the parents by post.

Students and parents can see and verify the attendance and internal assessment marks at any time in the University Web portal using their login Credentials.

During Parent-teachers meetings, Progress and grievances faced by their ward are discussed.

Stakeholders may use the college website for any grievances and queries regarding the Internal Assessment and the same is forwarded to the Head of the Institution to take suitable action.

For University Examination related grievances, students can make use of student login through which they can upload the grievances directly to the university. Students can approach the Principal for any University Exam related grievances. The Head of the Institution makes a suitable representation to the university to set right the grievances made by them.

File Description	Documents
Any additional information	View File
Link for additional information	https://www.msec.org.in/uploads/naac/agar/2023-2024/2.5.1/2.5.1.pdf

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Program outcomes and course outcomes for all programs are widely propagated and publicized through various means such as the Department Notice boards, Classrooms, Laboratories, and Website. The faculty members, class teachers, mentors, course coordinators, and program coordinators inform the students for creating awareness and emphasize the need to attain the outcomes. The COs is disseminated to the students through faculty announcements at the beginning of each semester. In all the interactions with the students, awareness of POs and COs is consciously promoted.

The POs and COs are displayed on the college website and its URL is "https://drive.google.com/file/d/1aS0HOODPp8htJqw4NnRHNFkDHCxmx-o4/view".

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.msec.org.in/academics/aero/CourseOutcomes.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

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

The institution evaluates POs and COs through Direct and Indirect Methods.

Direct Method This method involves continuous internal assessments, semester exams, seminars, classroom activities, assignments, and laboratory sessions. The internal assessment marks for theory papers are based on three tests per semester, with an additional improvement test if required. Laboratory work includes continuous assessment and internal practical model tests. Seminars, quizzes, group discussions, and assignments are utilized to enhance understanding and leadership skills.

Indirect Method Feedback from stakeholders, especially students, is gathered via Exit Feedback Surveys to measure satisfaction and identify areas for improvement.

Teaching and Learning Enhancements

- **Classroom Teaching:** Use of PowerPoint presentations and simulation tools.
- **Laboratory Sessions:** Bridging theory and practice with internet-connected labs and simulation tools.
- **E-Learning:** Integration of multimedia elements like Google Applications and PowerPoint.
- **Special Coaching Classes:** For weaker students based on periodic reviews by the HOD and Principal.
- **Industrial Visits:** Offering practical, hands-on exposure to industry practices.

PO-CO Attainment Assessment

- Direct assessment contributes 80%, while indirect assessment contributes 20%.

- PO-CO attainment levels are categorized on a 3-point scale:
 - Marginal (1.5-1.8), Moderate (1.81-2.25), and Maximum (2.26-3.0). Final attainment levels are analyzed and compared with target values to plan improvements for subsequent batches.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

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

289

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://www.msec.org.in/uploads/naac/aqar/2023-2024/2.6.3/2.6.3.pdf

2.7 - Student Satisfaction Survey

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

https://www.msec.org.in/uploads/naac/aqar/2023-2024/2.7.1/2.7.1SSS_index.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

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

31.825

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

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)**3.1.2.1 - Number of teachers recognized as research guides**

7

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

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year**3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year**

7

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

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Mohamed Sathak Engineering College has a vibrant Research Council, an apex body to guide MSEC research community and innovation for creation and transfer of knowledge. The apex body is constituted with a team of experts drawn from academic Institutions, Scientists, Entrepreneurs and Industrial researchers from various reputed organizations under Research Career Planning and Guidance Department. The team generates links with the industry through periodic visit to their office and participating in monthly and annual meets. MSEC established a Research Centre, Entrepreneurship Development Cell and Incubation Centre. The early initiative to create an ecosystem for innovations is the formation of various student clubs for creation and transfer of knowledge. The hidden talents of the students are identified and nurtured through student clubs, co-curricular and extra-curricular activities. MSEC Research and Development Centre comprises of senior faculty members from each department. Dean (R&D) who is a senior professor having handsome experience and expertise in versatile research field heads R&D Centre with the principal presiding over. The committee oversees the smooth and efficient coordination of research and development activities in the institute, thus fostering overall growth. The aim of MSEC R&D cell is to foresee future problems through pursuit of technology to respond to current social demands, and to contribute to the creation and development of scientific technologies with the aim of realizing an affluent society and natural environment for humanity.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

32

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

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

3

File Description	Documents
URL to the research page on HEI website	https://www.msec.org.in/research-overview.php
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

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

115

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

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

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

74

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

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

Mohamed Sathak Engineering College (MSEC) promotes regular engagement of faculty, students and staff with neighbourhood community for their holistic development and sustained community development through various activities. The college motivates the student's social participation and also drives to achieve its goal of providing higher technical education to create equitable society with ethical values. The Institute is conscious of its role in campus community connection, well-being of its neighbourhood and has initiated a number of community development activities.

To track the involvement of students in various social activities, the Institute has established a mentoring system wherein each faculty members act as mentor for 15 students. They keep records of their participation in such activities. Faculty advisor has to file the student participation in such extension activities in the respective file.

The college is continuously organizing a number of extensions and outreach activities which are directly connected with students academic, social, cultural, community services etc., and the college management with the help of many voluntary organizations and NGOs organizes the outreach programs.

And our College provides the major extension and outreach programmes organized under the banner of National Service Scheme of the College with the details of faculty and student participation. The NSS student volunteers used to visit villages and extend their services regularly.

The NSS volunteers used to organize blood donation camp, free eye screening camp, free medical check-up camp, general awareness

camp, rally for social awareness, cleaning the nearby villages, etc.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

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

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

3

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

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

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

12

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

1535

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

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

63

File Description	Documents
e-copies of related Document	View File
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year**3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year**

6

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

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

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

Response:

Mohamed Sathak Engineering College (MSEC) was started in the year 1984 as the very first Self finance Engineering College in the State of Tamil Nadu (G.O. Ms.No.1088, Education dated 21.08.1984). It was started with 3 Programmes and now we are running successfully 13 Under Graduate and 09 Post Graduate Programmes. All programmes are approved by AICTE and affiliated to Anna University, Chennai. The Marine Engineering programme is approved by Director General of Shipping (DGS) and Architecture programme is approved by Council of Architecture (COA), New Delhi.

Classrooms and seminar halls Facilities:

The Institution is provided with excellent classroom facilities. Each class is provided with white or blackboard and stage with a sufficient number of lights and fans. Good ventilation is provided and windows are covered with curtains.

Laboratory Facilities:

Institute has modern, well - equipped laboratories with the latest equipment and required software for the entire programme. A separate storage facility is provided to store raw material and consumables. In addition, it consists of first aid kit and fire safety measures. Labs are suitably designed to accommodate and run heavy machinery. Multiple power supplies like UPS, Generator and EB power are suitably provided for all the lab spaces.

Computing and ICT Facilities:

Mohamed Sathak Engineering College provides well - equipped computer facilities with the best state of the art computer lab and research centre. A high speed optical fibre network enables students to access a wide range of services across the campus including all computer labs.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

Response:

Auditorium and Cultural Activities:

The Institution offers a good opportunity for the students to come out with their talents in Dance, Music, Art and Mime. Institute organises various cultural activities to make the students relax, enjoy and balance leisure. The Institution has an Auditorium with a capacity of 2500 to conduct cultural and other mega events. Frequent programs are conducted to encourage the student's participation.

GYM and Fitness:

Centre Modern Gym offers a fun and safe learning environment that gives weight training, strengthening and weight loss programmes. We strive to develop student's confidence and determination through their mastery of skills and improved fitness. High - Quality instructions from energetic, enthusiastic and proficient

coaches make this possible.

Yoga and Sports Facilities

A full time Physical director works for the yoga practice, physical fitness of students and sports activities. College teams are taking part in Anna University Zonal level competitions and other intercollegiate competitions. Sports event competitions are conducted in interdepartmental level in an academic year and the winners and participants are awarded in Annual Sports Day celebration to encourage them.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

52

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

44.05

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

4.2 - Library as a Learning Resource

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

Response:

MSEC Library is an important source of knowledge for young minds. The library is spread over a carpet area of 7917 sq.ft, the reading space is 2639 sq.ft. The number of seats in reading space is 160. Library has a collection of around 121281books and 30 periodical journals, 233 encyclopaedias , 56 Gate Books, book banks, proceedings, news clippings, Back volumes, 146 Dictionary for Engineering & General, 1638 Microforms and 3250 Project Reports. It also has archive of college magazine, news letter, annual reports, academic syllabus & regulations, course materials, Old semester question papers, publications, videos for self learning, audios and photographs of college events etc. The library is fully automated with KOHA library management software, version 19.05. The OPAC page is the home page of the college library. The OPAC page, being the gateway to library collection, shows the kind of knowledge-store that exists in the institution. The entire collection of our library can be accessed through the IP address <http://182.72.54.211:8000>the intranet. is available in Library. The key functions of the library automation, are acquisition, cataloguing, circulation, serials control, acquisition, Course management, reports and reference service.

All the Staff and Students are the member of our central library. Our Central Library is functioning from 9.00 A.M to 7.00 P.M on all working days. During Sunday, will function from 10.00 A.M to 4.00 P.M. so all the students can utilize the library effectively.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://www.msec.org.in/uploads/naac/agar/2023-2024/4.2.2/4.2.2.pdf

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

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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

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

5.97

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

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

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

941

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

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

Response:

Computing Facility:

As the world is becoming completely digital, MSEC is keen in giving computer education to all the students in the college and has accordingly updated its IT infrastructure to cater to the needs of the students ensuring effective and outcome based teaching-learning. Value added IT courses are conducted in all the departments. MSEC has a total of 692 computers which are of latest hardware configuration. There are around 11 Computer labs in the campus.

Servers, Open source software and Propriety Software:

MSEC maintains a total number of 02 servers with Xeon E-5 version-2, 8 GB RAM, 1.0 TB hard drive, which are served as Domain Controller, student biometric server, faculty biometric server and applications servers. Back up device-2TB for critical server back up.

The need for Internet has become mandatory in information sharing and knowledge dissemination. The old network has been upgraded and replaced with 50 extreme switches, 25 wireless access points, a high resolution sonic firewall, WLAN controller, unified threat management system and 2 high end servers for Antivirus, FTP and DHCP.

The noteworthy feature of our wi-fi facility is, students, faculty and research scholars have 24/7 access to the internet. Dedicated leased line Internet facility with a bandwidth of 100 Mbps is available to cater to the academic & research needs in the Campus. The entire campus is Wi-Fi enabled. The activity in the institute is under video surveillance with 96 CC cameras.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.3.2 - Number of Computers

550

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

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

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

588.72

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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:

Laboratory Maintenance :

All the equipment and machinery of the laboratories are periodically maintained by the lab technicians. If the equipment/machinery is to be serviced during the warranty period, the supplier of the equipment/machinery will be intimated about the repair and it will be serviced either in-house or in the supplier premises based on the nature of the defect.

Computer and Accessories Maintenance:

Due to a large number of computers and networking, a separate team looks after the maintenance of computers and networking. With this team, breakdown calls related to systems are quickly resolved.

Campus Maintenance:

Cleanliness & daily maintenance of the interior facility (classrooms, laboratories, library, hallway, and staircase) is done by the housekeeping team of the institute under the supervision of the college maintenance engineer. The Fire extinguisher is outsourced since refilling of the cylinder is done once in a year. The drinking water facility to the entire campus is done through RO plant.

Sports Complex Maintenance and Utilization:

Playgrounds, courts and Indoor stadium are well maintained by the ground markers (two members) of the physical education department under the supervision of the physical director on regular basis. These ground markers maintain the track and field regularly with proper marking. Students receive the sports kit from the physical education department for practicing by entering their name and roll number in material issue register and after completing the practice session he/she should return same in the physical education storeroom.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

882

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

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

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

524

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	A. All of the above								
<table border="1"> <thead> <tr> <th data-bbox="86 441 529 506">File Description</th> <th data-bbox="529 441 1436 506">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 506 529 656">Link to Institutional website</td> <td data-bbox="529 506 1436 656">https://www.msec.org.in/uploads/naac/CapacityBuilding.pdf</td> </tr> <tr> <td data-bbox="86 656 529 721">Any additional information</td> <td data-bbox="529 656 1436 721">View File</td> </tr> <tr> <td data-bbox="86 721 529 869">Details of capability building and skills enhancement initiatives (Data Template)</td> <td data-bbox="529 721 1436 869">View File</td> </tr> </tbody> </table>	File Description	Documents	Link to Institutional website	https://www.msec.org.in/uploads/naac/CapacityBuilding.pdf	Any additional information	View File	Details of capability building and skills enhancement initiatives (Data Template)	View File	
File Description	Documents								
Link to Institutional website	https://www.msec.org.in/uploads/naac/CapacityBuilding.pdf								
Any additional information	View File								
Details of capability building and skills enhancement initiatives (Data Template)	View File								
5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year									
963									
5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year									
963									
<table border="1"> <thead> <tr> <th data-bbox="86 1254 529 1319">File Description</th> <th data-bbox="529 1254 1436 1319">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 1319 529 1384">Any additional information</td> <td data-bbox="529 1319 1436 1384">View File</td> </tr> <tr> <td data-bbox="86 1384 529 1599">Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)</td> <td data-bbox="529 1384 1436 1599">View File</td> </tr> </tbody> </table>	File Description	Documents	Any additional information	View File	Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File			
File Description	Documents								
Any additional information	View File								
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File								
5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees	A. All of the above								

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

232

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

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

5.2.2.1 - Number of outgoing student progression to higher education

24

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

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

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

02

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

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

22

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

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

Our students are provided with the opportunity to represent academic and administrative committees of the Institute and Department. Every year, student committee is formed with a set of

students and teaching faculty at the college level and at the department level. The student members will play their roles under the supervision of the faculty. Enthusiastic students with the interest in playing leadership roles will be nominated as members of the council. Student members are taking part in both co-curricular and extra-curricular activities. Students are participating in academic level activities like class committee meetings and give suggestions from students' points of view. Besides academic activities, Student Council members actively participate in the Sports committee, cultural committee, magazine committee, etc. They actively involved in administrative roles in organizing the events like Students' symposia, Seminars, Workshops under the supervision of the faculty. They involve in students' chapter day, achiever's day, and club activities. Student members motivate other students to take part in the activities conducted by the Institute and the departments. Teaching faculty is available in the council for the smooth and effective functioning of the council. Student council members will act as per the directives of the teaching faculty.

File Description	Documents
Paste link for additional information	https://www.msec.org.in/uploads/StudentCouncil.pdf
Upload any additional information	View File

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

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

35

File Description	Documents
Report of the event	View File
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

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

Mohammed Sathak Engineering College (MSEC) has played a pivotal role in shaping the careers of students into technocrats, leaders, entrepreneurs, researchers and global managers. Developing an active and engaged alumni network empowers both the Institute and its graduates. MSEC has a registered Alumni Association named as "Mohammed Sathak Engineering College Alumni Association" that creates and maintains a life-long connection between MSEC and its alumni. MSEC Alumni Association is registered as a society under Government of Tamilnadu Societies Act during the year 2014 with the Registration Number 36/2014 with defined by-laws. There is a separate bank account for the Alumni Association, which is periodically audited by the external auditor.

Alumni Committee is functional with the objective to nurture a platform for its alumni base of 3000+ registered life members to connect, engage and benefit the alumni, students and staff. Alumni Association is formed in 2014 having one representative from every Department to accommodate the ever-increasing number of alumni.

The mission of the Association is to foster strong bonds between alumni, students and the Institute, to keep alumni informed, and create a network enabling them to remain engaged with their alma mater and help shape its future through the Association's programmes and services.

File Description	Documents
Paste link for additional information	https://www.msec.org.in/alumni.php
Upload any additional information	View File

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

D. 1 Lakhs - 3Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

Vision Statement: "To be an institution of repute and rare creativity in providing quality education with technical endeavour and research opportunities of high standards to the students, who in turn shall contribute to the advancement of the society and human kind".

Mission Statements:

- o To provide Quality Education to the students across rural the country.
- o To motivate students to acquire skills and apply knowledge.
- o To achieve Academic and Professional excellence.
- o To offer state of the art facilities under sophisticated and safe environment.
- o To endow with expertise faculty by providing opportunity to promote the students skills and knowledge.

Quality Policy of the Institution:

"To become a Premier Institute of National Repute by Providing Quality Education, Successful Graduation, Potential Employability

and Advanced Research & Development through Academic Excellence”.

“To Develop and Make Students Competent Professional in the Dynamic Environment in the field of Engineering, Technology and Management by emphasizing Research, Social Concern and Ethical Values through Quality Education System”.

File Description	Documents
Paste link for additional information	https://www.msec.org.in/uploads/naac/agar/2023-2024/6.1.1/6.1.1.pdf
Upload any additional information	View File

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

Participative management provides planning and implementation of all the activities in the institution uniformly and as a team. The college involves all the stakeholders in decision making process for framing guidelines and rules & regulations to ensure smooth and systematic functioning of the institute. The institution has decentralized and transparent mechanism in management, administration, financial and academic affairs. This mechanism is delegating appropriate responsibilities from the top level management to low level and allows the top management to focus on policy making and major decisions.

The Governing Council is the highest decision-making body which formulates/ amends rules and regulations, delegates power and responsibilities to various Committees, Principal, Heads of the Departments (HoDs).

The constitution of statutory committees like Governing Council, College Academic Committee, Finance Committee are systematically carried out with specified functions and responsibilities as per the requirements to the regulatory/statutory bodies like AICTE/UGC. These committees play a major role in policy making of governance, academics, finance, research and teaching learning.

The Principal ensures the smooth functioning of the institution with the support of:

Department HoDs,

Officer In-charge of Examination,

Administrative Officer,

Student Progression Head,

Convenor of Innovation,

Incubation & Entrepreneurship,

Coordinator of Research, Development & Consultancy.

File Description	Documents
Paste link for additional information	https://www.msec.org.in/uploads/naac/agar/2023-2024/6.1.2/6.1.2.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The strategic plan of the college has been developed involving all the stakeholders through focused group discussions and workshops by adopting a participatory approach both at institutional and department level. Strategic Plan envisages the following broad outcomes:

- Become a leading technical Institution in the region
- Become well known for transformational technologies that impact lives of people
- Incubate successful start-ups creating innovative products and business models using the knowledge and technologies nurtured by the Institute
- Have more faculty with Ph.D. qualification with very good retention rate and provide a congenial work environment for faculty and staff
- Be a model campus in terms of sustainability, usage of energy and water and recycling of materials

- Intensify the involvement of alumni in all aspects of the Institute's development– interacting with students, mentoring interns, contributing resources towards enhancing the facilities and quality of education, collaborating with faculty members in research and development.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.msec.org.in/uploads/naac/agar/2023-2024/6.2.1/6.2.1.pdf
Upload any additional information	View File

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

MSEC has a set of well-established recruitment procedures, service rules and promotion policies and academic regulations within the frame work of AICTE, T.N.State government and the affiliating university which are approved by the GC of the Institute. The policy manuals for day to day functional activities like, administrative manual, SOP for civil, mechanical, electrical equipment, computers, networking & engineering maintenance, stock verification, security, research & consultancy, examination procedures, anti-ragging, hostel rules and regulations, quality management for IQAC are made available in the Institute. The rules and regulations of the institute are published on the college website www.msec.org.in/rules-andregulations.php and are revised periodically.

The Grievance Redressal Committee of the institution is established for prompt disposal of the day to day grievances of the student and faculty to maintain a congenial atmosphere. This committee was constituted in accordance with the UGC regulations. Grievances received are addressed systematically with active involvement and cooperation of the respective department concerned with the grievance; maintaining necessary confidentiality in handling process. Committee tries to resolve the issues amicably in a time bound manner offering a reasonable and reliable solution for grievances of various issues received from students/parents impartially.

File Description	Documents
Paste link for additional information	https://www.msec.org.in/uploads/naac/agar/2023-2024/6.2.2/6.2.2.pdf
Link to Organogram of the institution webpage	https://www.msec.org.in/uploads/organogram-chart.pdf
Upload any additional information	View File

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user inter faces	View File
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

- As per the norms of AICTE, Pay commission recommendations are implemented and benefits under CAS are being extended.
- Employees are covered under EPF, ESI and Gratuity to all eligible members.
- Study, Maternity and Medical leaves are sanctioned for the needy staff. Sanction of CL, OD for Conferences, Workshops, FDPs, STTPs with financial support.
- Advances/ loans are provided for vehicle and laptops to all staff.
- Reward for publication of papers/research articles and best research work.
- Reward for academic excellence/100% pass
- Faculty can avail 5 books from the library per semester.
- Financial support provided to faculty to take up Membership

in any Professional Body. Support for education of the children of the teachers in the group institutions.

- Free transportation for all staff. Subsidized canteen fare.
- Incentive for vehicle utilization or transport allowance for non-teaching staff. Incentive for dress materials for housekeeping and supporting staff.
- Health coverage-group insurance scheme for the whole staff.
- On campus free Full time medical facility with qualified Doctor available.
- Vacation for every semester
- Reward for attending orientation programmes, workshops and conferences for non-teaching staff.
- Gifts during Teachers' Day celebrations.
- Family Get - together.

File Description	Documents
Paste link for additional information	https://www.msec.org.in/uploads/naac/aqar/2023-2024/6.3.1/6.3.1.pdf
Upload any additional information	View File

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

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

183

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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

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

22

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

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

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

190

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

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

The Institution has a formal annual performance appraisal for both teaching and non-teaching staff conducted every year. Self-Appraisal is collected once in an academic year. At the beginning of the academic year the faculty appraisal format is shared by the

HOD to all the teaching and non-teaching staff of the department so that faculty members are well aware of the appraisal measurement criteria. The faculty is required to submit the filled in pro forma of self-appraisal which is based on "Performance Based Appraisal System" as per UGC regulations.

Evaluation of each staff member's appraisal report is based on the criteria like: work load, qualifications, experience, student feedback, Anna University exam results and pass percentage of the classes the teacher has taught, research papers published (national/ international), patents filed/obtained, projects work/dissertation and Ph.D. guided, UG projects guided, research projects applied/funded, FDPs conducted/attended, international/national conferences/ seminars/ workshops conducted/ attended, pedagogy methods adopted/followed details, administrative responsibilities, responsibilities for students co-curricular activities and university duties.

File Description	Documents
Paste link for additional information	https://www.msec.org.in/uploads/naac/agar/2023-2024/6.3.5/6.3.5.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

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

Optimal utilization and execution of the budget is monitored through internal and external auditing. The internal audit is an ongoing continuous process and is conducted on quarterly basis. Internal Audit is performed by Qualified Internal Auditors permanently appointed from Mohammed Sathak Trust office and the faculty members of MSEC to do a thorough check and verification of all payments, receipts & journals vouchers of the transactions cash books, ledger account review that are carried out in each financial year on an accrual basis system. During the course of Internal Audit, all required steps are taken to regularize the accounts and to obtain confirmations for the credit balances.

The copy of the internal audit report covering all matters related to maintenance of accounts is preserved. At the end of every odd semester of the academic year stock of every department is

verified by the faculty members from other departments who act as internal auditors. The qualified remarks if any, given by the auditor are taken into consideration for future course of actions

File Description	Documents
Paste link for additional information	https://www.msec.org.in/uploads/naac/aqar/2023-2024/6.4.1/6.4.1.pdf
Upload any additional information	View File

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

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

7,15,000

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

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

The financial resources of the institute are managed in very effective manner. The following types of accounts are in operation.

- Receipts and payment accounts
- Income and expenditure accounts
- Balance sheet.

Financial planning is exercised well in advance for efficient budgeting and review is done on periodic intervals through Accounts committee under the supervision of principal, dean administration, management representative, HoD's and account personnel involving the various academic departments and

administrative sections of the institute. The institution prepares the budget after taking into account of the sources of earnings and expenditure. It mainly allocates fund for the salary of its faculty and staff, Infrastructure development, faculty development, research, library, canteen, hostels are the other recurring expenditures

File Description	Documents
Paste link for additional information	https://www.msec.org.in/uploads/naac/agar/2023-2024/6.4.3/6.4.3.pdf
Upload any additional information	View File

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

The quality parameters As per the guidelines of NAAC, the Internal Quality Assurance Cell of Mohamed Sathak Engineering College was established on 04.10.2012 as a post accreditation quality sustenance and enhancement measure with Prof. Mohamed Rafi as the coordinator. IQAC is driven by a competent team comprising Principal, Senior Professors, Alumni, Industry Experts, and also students. Chairman/ Coordinator of IQAC is part of all major committees and other bodies and extends support to all the academic activities and recommends student centric procedures The main focus of IQAC is to establish quality metrics consistently in all the initiatives of academic and administrative activities for overall growth of the college. IQAC works on evolving strategies to get rid of shortage and enhance quality. IQAC is channelizes the efforts of the University towards achieving holistic academic excellence.

IQAC at MSEC has significantly contributed to meet the standards of Institution in the form of formulating and implementing a predefined process for all the activities and made efforts for institutionalizing the quality assurance strategies and processes.

File Description	Documents
Paste link for additional information	https://www.msec.org.in/uploads/naac/agar/2023-2024/6.5.1/6.5.1.pdf
Upload any additional information	View File

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

The institution reviews its teaching learning process, structures & methodologies of operations through Academic Departments. The IQAC is responsible for developing, coordinating and monitoring academic assessment activities to effect improvement in student learning. All the heads of the departments, deans and nominated teachers are members of the Institute Academic Committee, chaired by the head, IQAC.

The roles and responsibilities of the committee:

- Plan, monitor and control the academic functioning of all the Departments.
- Introduce innovation in Teaching, Learning and Evaluation practices.
- Recommend additional infrastructural facilities required to strengthen the Departments in view of the changing needs of curriculum or introduction of new disciplines.
- Evolve processes for conducting Academic Audit both at the Institute level and at the Department level.

The Institute Academic Committee meets every month as a scheduled activity and monitors all the activities.

File Description	Documents
Paste link for additional information	https://www.msec.org.in/uploads/naac/agar/2023-2024/6.5.2/6.5.2.pdf
Upload any additional information	View File

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

File Description	Documents
Paste web link of Annual reports of Institution	https://www.msec.org.in/uploads/naac/agar/2023-2024/6.5.3/6.5.3.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Mohamed Sathak Trust facilitates to the Girls students upliftment of her carrier and self development. Every year college organized some special programme for girl's students and encourages the fearless movement towards the society.

We strive to bring out competent and self reliant women to the society through higher education. We value the employability and skill development of young women through specialist, career oriented education.

The institution aims to groom students to be self-reliant, specialists in their chosen discipline, continuous learners, effective communicators, socially responsible, aware of their social and civic responsibilities, sensitive to gender issues with zero tolerance towards sexual harassment, women safety and security, and environmental consciousness. One of the objectives of this institution is to promote education that would be

sensitive to the needs of the various sections of society with special emphasis on gender equality and gender sensitivity. Students of both the genders are given equal opportunities to grow and develop into able, responsible citizens of the future. College makes efforts to maintain gender balance among the faculty members.

S.No

Title of the Programme

Date

1

Women's Day Celebration

08.03.2024

2

Women's Healthcare Programme

07.10.2023

3

Legal Awareness Programme on " Legal Rights on Women"

07.08.2023

File Description	Documents
Annual gender sensitization action plan	https://www.msec.org.in/uploads/naac/aqar/2023-2024/7.1.1/7.1.1.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://www.msec.org.in/uploads/naac/aqar/2023-2024/7.1.1/7.1.1.pdf

7.1.2 - The Institution has facilities for

A. 4 or All of the above

alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	No File Uploaded

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

Biodegradable Substances:

These substances include vegetables and fruit peels, empty cartons, used tea leaves, plastic bags, paper, old clothes, old footwear etc broken down by of bacteria.

Non-Biodegradable Substances:

Materials like plastics, metallic cans and pesticides which cannot be broken down easily by biological processes.

1.Solid Waste Management

Biogas plant and Vermiculture units, Napkin Burner are established campus.

2. Liquid Waste management

Most of the waste water is used to irrigate and send to sedimentation Tank, and used to gardening and cultivation of Plant.

3. Biomedical waste management:

The collection of biomedical wastes in a separate vessel and hand over to Medical department waste handling agency.

4. E-waste management

Old version instruments, CRTs, Printers, Computers, Electronics

gadgets, circuits, kits CDs, batteries, fluorescent bulbs, PCBs and it is sold out to buyers by auctioning.

5. Waste recycling system:

Removing some useful parts of electronic gadgets in Personal Computer for reuse in another Personal Computer, Laboratory practical classes and student projects for Mini Project and Main Project.

6. Hazardous chemicals and radioactive waste management

The byproduct of Chemical Laboratory and Chemistry Laboratory waste are properly handled and disposed carefully to waste handling agency.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

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

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

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

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways

A. Any 4 or All of the above

4. Ban on use of plastic	
5. Landscaping	
File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded
7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution	
7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	A. Any 4 or all of the above
File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded
7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	A. Any 4 or all of the above

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

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

MSEC believes in cultural diversity and cultural tolerance as a key to social harmony and has a diverse range of student body as well as employees from diverse regions. Diversity along all cultural dimensions are recognized, valued and respected such as North India, South India and from different religion such as Hindus, Muslims, and Christians, focuses on developing the students through academics, co-curricular and extracurricular activities.

The annual cultural fest of the institute 'DON Festa' is celebrated with pomp and show Music, dance, literary, theatre and fine arts events, Ethnic Day is spirit of 'Unity in Diversity' , Saraswathi Pooja & Ayudha Pooja , Ramzan, Christmas ,Diwali, Makarsankanti, Eid.

International Yoga Day (June 21), Founder's Day, International Youth Day (12th August). Sadbhavana Day (Birth anniversary of the Late Prime Minister Shri Rajiv Gandhi) (20th August) Teachers Day (5th September) (birth anniversary of Dr. Sarvepalli Radhakrishnan), International Literacy Day (8th September), Engineers Day (15th September) (birth anniversary of Bharat Ratna M. Visvesvaraya), NSS Day (24th September), Gandhi Jayanti (2nd October) as Swachhta Diwas, National Unity Day (31stOctober) (Birth Anniversary of Sardar Vallabh Bhai Patel) and National Integration Day (Birth Anniversary of Prime Minister, Mrs. Indira Gandhi) are celebrating in College premises.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	No File Uploaded

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

The institute strives to develop students as responsible citizens of this country. Through various programs and practices, students & employees are sensitized about various constitutional obligations. Faculty members & students enthusiastically involve in all the programs arranged for driving these obligations.

Every year 'Independence Day' and 'Republic Day' is celebrated with great vigor to constantly remind the faculty and the students with respect to the sacrifices made by our freedom fighters and recollect their contributions. During these celebrations, rights, duties, and responsibilities of citizens are stressed by invited guests.

Institution celebrates Constitution day as "Samvidhan Diwas" on 26th November of every year. NSS unit of the institute arranges health camps, blood donation camps, Swatch Bharat Abhiyan, literacy drives, social responsibilities awareness rallies, national integration, and social harmony rallies, etc. Institution organized awareness program on "Electoral Day" and conduct rally at nearby village to sensitize the public with respect to voting and participation in the democracy.

MSEC organized awareness program on 'International Day of Democracy', "National Unity Day", 'Constitution Day', 'Human Rights Day', and 'National Voters Day' , Rural connect through Unnat Bharat Abhiyan, Digitalisation Awareness Program , Awareness Campaign on Skilling and Health have been organized recently.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://www.msec.org.in/uploads/naac/agar/2023-2024/7.1.9/7.1.9.pdf
Any other relevant information	Nil

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized	A. All of the above
---	----------------------------

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

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

National youth day on occasion of Swami Vivekananda Jayanthi (12th Jan):

Student recollect the message put forth by Swami Vivekananda and the role of the youth in the development of the Nation and the Society.

Republic Day (26th Jan):

Students, Staff and Management hoist the National Flag and recollect the importance of protecting the constitution.

International Women's Day (8th March):

Reputed Women personalities are invited for the motivational talks. The women achievers are awarded on this occasion.

International Yoga Day - (21st June):

This event was organized and a good number of students actively took part in this event.

Independence Day (15th August):

The institution celebrates every year independence day. Students speak about the sacrifices made by our freedom fighters.

Teachers Day (5th Sept):

The celebrations by showering love and affection.

Engineers Day (15th Sept):

It is celebrated every year to mark the birth anniversary of Sir. M. Visweswaraiyah.

Gandhi Jayanthi & Lal Bahadur Shastri Birth Anniversary (2nd Oct):
Recollect the contributions made by Mahatma Gandhi and Lal Bahadur Shastri.

T.N. Formation Day (18th July):

Recollect the importance of statehood and regional language.

World Aids Day (1st Dec):

NSS Volunteers spreading the awareness on prevention of AIDS at the nearby villages.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

Best Practice - I

Title of the Practice: Students Associations of Department and College.

To develop personality, communication skill, awareness about different types of entrance exams and interview and to develop skill to qualify various competitive exams, to develop awareness about sports and physical fitness, to conduct useful courses and technical seminars & workshops as per the current industry need, programming contest, technical quiz, debate competition, personality contest etc.

In the association students may works as volunteer on post such as Chairman / president, Vice President, Joint Secretary, treasurer, Ladies representatives and Executive members. They are selected from students by inviting applications from interested students.

Best Practice - II

Title of the Practice: Voluntary Blood Donation Camp

Madurai regional level Blood donation camp organized by the MSEC and donated blood more than 300 Units under National Service Scheme (NSS) in association with the Tamil Nadu State Blood Transfusion Council & Tamil Nadu State Aids Control Society and Meenakshi Mission Hospital & Research Centre, Madurai. Many free Health checkups programs organized in the college campus for the benefit of students, Teachers and others. Since MSEC have been awarded with "Best Motivator awards" for the year 2021, 2022,

2023, 2024.

File Description	Documents
Best practices in the Institutional website	https://www.msec.org.in/uploads/naac/BestPractice-2023-2024.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

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

Salient features:

- Science exhibitions are conducted to encourage school and polytechnic college students to improve abilities in critical thinking, problem solving skills.
- Classes are taken for government school students in the subjects like Mathematics, Physics, Chemistry and Computer Science, where adequate teachers are not available
- Hands-on Training is provided to create awareness in Science & Technology development among school and polytechnic college students in forte areas.
- Motivational talk, life skill programs, stress management by experts are arranged to school students at their premises to inspire them to learn more deeply and perform better.
- Furniture's, computers and books are given to needy government schools in the vicinity of the college.
- Scholarships are given to meritorious and economically backward students from rural area for admission into the college.
- Best teachers from schools and polytechnic colleges are honoured every year in teacher's day celebrations.
- To create awareness and to bridge the gap on these aspects, this outreach programmes (VETRI NAMATHE) for school students are being conducting every year.

Evidence of success:

- We have been consistently contributing to our district HSC school students of Backward areas to achieve above 90% of results through this programme.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

7.3.2 Future Plans of action for next academic year:

To provide additional thrust to get approval from Anna University, Chennai, for the following new Bachelor of Engineering course like Artificial Intelligence and Machine Learning and Cyber Security and Master of Engineering course like VLSI Design.

To provide additional thrust to promote to the following new Engineering course like Agriculture Engineering, Artificial Intelligence and Data Science and Computer Science and Business Systems. This Perspective Plan outlines the various initiatives and focus areas to achieve the above mentioned Objectives. The same are enumerated hereunder,

INSTITUTION:

- To revise the Vision and Mission of the College, where necessary, to align with the above mentioned course objectives;
- To continuously Innovate, Introduce new courses and remain relevant to the changing needs of the stakeholders.
- To provide thrust to achieve excellence in niche courses, such as Agriculture Engineering, Artificial Intelligence and Data Science and Computer Science and Business Systems.
- To monitor Quality Assurance and Quality Enhancement activities of the Institution and to obtain ISO Certification
- To go for Autonomous status and get prior permission from UGC and Anna University, Chennai.