



## **YEARLY STATUS REPORT - 2023-2024**

### **Part A**

#### **Data of the Institution**

<b>1.Name of the Institution</b>		<b>M. S. RAMAIAH INSTITUTE OF TECHNOLOGY (AUTONOMOUS)</b>
• Name of the Head of the institution		<b>Dr. N V R NAIDU</b>
• Designation		<b>Principal</b>
• Does the institution function from its own campus?		<b>Yes</b>
• Phone No. of the Principal		<b>08023603122</b>
• Alternate phone No.		<b>08023603122</b>
• Mobile No. (Principal)		<b>9972087184</b>
• Registered e-mail ID (Principal)		<b>principal@msrit.edu</b>
• Address		<b>MSRIT Post, MSR Nagar</b>
• City/Town		<b>Bengaluru</b>
• State/UT		<b>Karnataka</b>
• Pin Code		<b>560054</b>
<b>2.Institutional status</b>		
• Autonomous Status (Provide the date of conferment of Autonomy)		<b>20/12/2007</b>
• Type of Institution		<b>Co-education</b>
• Location		<b>Urban</b>

• Financial Status	<b>Self-financing</b>				
• Name of the IQAC Co-ordinator/Director	<b>Dr. G M Madhu</b>				
• Phone No.	<b>08023603122</b>				
• Mobile No:	<b>9845381349</b>				
• IQAC e-mail ID	<b>iqac@msrit.edu</b>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="http://www.msrit-igac.com/assets/img/AQAR-2022-2023.pdf">http://www.msrit-igac.com/assets/img/AQAR-2022-2023.pdf</a>				
<b>4.Was the Academic Calendar prepared for that year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="http://www.msrit-igac.com/assets/img/reports/Academic%20Calendar/Academic%20calendar-2023-24.pdf">http://www.msrit-igac.com/assets/img/reports/Academic%20Calendar/Academic%20calendar-2023-24.pdf</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>A</b>	<b>3.01</b>	<b>2014</b>	<b>10/01/2015</b>	<b>09/12/2019</b>
<b>Cycle 2</b>	<b>A+</b>	<b>3.28</b>	<b>2021</b>	<b>01/03/2021</b>	<b>28/02/2026</b>
<b>6.Date of Establishment of IQAC</b>			<b>01/10/2014</b>		
<b>7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?</b>					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>Nil</b>	<b>00</b>	
<b>8.Provide details regarding the composition of the IQAC:</b>					
• Upload the latest notification regarding the composition of the IQAC by the HEI	<a href="#">View File</a>				
<b>9.No. of IQAC meetings held during the year</b>	<b>4</b>				

<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?</li> </ul>	Yes	
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	<a href="#">View File</a>	
<b>10. Did IQAC receive funding from any funding agency to support its activities during the year?</b>	No	
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>		
<b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b>		
IQAC suggests the departments to conduct the workshops /FDPs /seminars/ conferences in the emerging areas.		
Support during the visits of NBA and UGC committees and NIRF Ranking.		
Initiation and support in preparing the SAR for the NBA accreditation.		
Coordinated with all the departments in finalizing skill based sources as per NEP.		
To inculcate self-learning capabilities, IQAC encouraged for online certification courses such as NPTEL, Swayam, Course era etc.		
Helped students to get Internship through Internshala Portal and other sources, Ranked 13 in Internshala Ranking		
<b>12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:</b>		
Plan of Action	Achievements/Outcomes	
To conducted four International Conferences	IQAC Organised 2 international conferences ICAMES - 2023 and ICAMST - 2024 in the month of December 2023 and August 2024 respectively. Department of Mechanical, Civil, Chemical, BioTechnology and IEM organized an international conference	

	(ICRAES - 2024) on 13th November 2024. 2) Department of EEE, ECE, TCE, EIE, CSE, MCA, ISE and ML organized an international conference (I4C - 2024) during October 2024 in coordination with IQAC.
To participate in NIRF	Submitted the application and institute Ranked 75th among 100 institution across India.
To apply extension of 16 R&D centres and 2 new R&D centres	All the departments have been extended as research centres from VTU.
Application to AISHE	Submitted the application to AISHE for the academic year 2023-24 on 22-01-2024
To organize workshops/FDPs in collaboration with industry.	All the departments have organized the workshops/FDPs in collaboration with industry. Collaborations with professional bodies in organising conference was initiated. International Conference on Applied Research in Engineering Sciences (ICARES - 2022) was organised on 24th and 25th, November 2022.
Accreditation of 10 Programmes from NBA	3 Programs accredited for 6 years and 9 programs accredited for 3 years.
To conduct Pedagogy workshop	Conducted workshop. on Digital Pedagogy and use of AI tools in Engineering Education
<b>13. Was the AQAR placed before the statutory body?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	
Name of the statutory body	Date of meeting(s)
<b>Academic Council</b>	<b>22/04/2024</b>

14.Was the institutional data submitted to AISHE ?	Yes
• Year	
Year	Date of Submission
2023-2024	24/01/2025
15.Multidisciplinary / interdisciplinary	
<p>Multidisciplinary and interdisciplinary approaches in education are becoming increasingly vital in modern learning environments. Institutions like MSRIT exemplify this trend by integrating diverse fields such as humanities, science, and mathematics into their engineering programs. This holistic curriculum not only enriches students' core academic knowledge but also broadens their perspectives and problem-solving capabilities. At MSRIT, students are encouraged to explore open and global electives in allied engineering and basic sciences, ensuring they develop a comprehensive understanding that transcends traditional disciplinary boundaries. The introduction of major and minor degree programs is a strategic move to further enforce multidisciplinary concepts, allowing students to tailor their education according to their interests while gaining expertise in multiple areas.A key feature of MSRIT's approach is its emphasis on inter-departmental projects. By fostering collaboration across disciplines, students engage in hands-on projects that integrate engineering with humanities and social sciences. This not only enhances their learning experience but also prepares them for real-world challenges, where complexity often requires a multifaceted approach. Community engagement projects further underscore the institute's commitment to social responsibility, as students apply their skills to benefit society every semester. Supporting this innovative culture, MSRIT has established nine Centres of Excellence and skill centers dedicated to promoting interdisciplinary research and teaching.The institute also organizes several international conferences—such as ICARES, ICRAES, and I4C—facilitating the exchange of ideas among various fields. Additionally, hackathons encourage creative collaboration, reinforcing the importance of interdisciplinary work in tackling contemporary issues and advancing knowledge across disciplines.</p>	
16.Academic bank of credits (ABC):	
At MSRIT, the implementation of the ABC system aligns closely with	

the institute's holistic educational philosophy. The ABC framework empowers students to take courses from different colleges, enabling them to diversify their academic portfolios while still pursuing their core engineering curriculum. This flexibility not only caters to individual learning preferences but also encourages students to explore various disciplines, fostering a well-rounded education. Students at MSRIT can benefit from this system by enrolling in open electives and gaining credits that are transferable, thereby enriching their academic experience. The ABC initiative facilitates a smoother transition for students who may wish to switch their major or enroll in specialized courses that interest them without losing previously earned credits. Moreover, the ABC framework supports the institute's commitment to lifelong learning and skill development. By enabling the accumulation of credits over time, it encourages students to engage in continuous education beyond traditional timelines, aligning their academic pursuits with career goals in a flexible manner. In summary, the Academic Bank of Credits at MSRIT represents a forward-thinking approach to education, promoting interdisciplinary learning and providing students with the autonomy to shape their educational journeys effectively. This initiative is integral to preparing students for the dynamic challenges of the modern workforce.

#### **17.Skill development:**

Skill development is an essential component of modern education, particularly in engineering and technology disciplines, as it ensures that students are well-prepared for the demands of the industry. At MSRIT, significant emphasis is placed on equipping students with relevant skills through the establishment of nine specialized Skill Development Centres. Covering an expansive area of approximately 1,800 square meters, these centers cater to a diverse range of fields, allowing students to gain expertise in cutting-edge technologies. Over 1,500 students have benefited from tailored training by expert faculty within these centers, focusing on areas such as imaging technologies, advanced materials, and cyber-physical systems. The curriculum is designed to not only impart theoretical knowledge but also to foster practical skills through hands-on experiences. This dual approach enhances students' understanding and aptitude in their respective fields. Furthermore, MSRIT's investment of around 14 crores into the Skill Centres reflects the institute's commitment to fostering innovation and a strong research culture. Students are actively encouraged to engage in prototype development, promoting a culture of creativity and practical application of their learning. This focus on real-world projects not only helps students apply theoretical concepts but also prepares them for the challenges

they will face in their professional careers. Programs like the Schneider Centre of Excellence on Building Automation and the Apple Authorized Training Centre highlight the institute's collaboration with industry leaders, ensuring students receive training that is aligned with current market needs. Overall, MSRIT's skill development initiatives not only enhance individual student competencies but also contribute to creating a workforce equipped with the relevant skills needed to drive industry progress and technological innovation.

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

Skill development in education is increasingly recognized as essential for preparing students to navigate the complexities of the modern world. At MSRIT, this focus is further enhanced by the integration of the Indian Knowledge System (IKS) within a multidisciplinary curriculum, encouraging students to engage with humanities alongside engineering and technology. Through the adoption of various humanities courses, the institute fosters critical inquiry that transcends traditional academic boundaries, promoting synergistic studies that connect diverse disciplines. By incorporating subjects such as Environmental Sciences, Kannada, Professional Ethics, English Communication, Design Thinking, Scientific Approach to Health, and Yoga, MSRIT creates a platform for engineering students to explore the intersection of humanities and technical subjects. This approach not only nurtures creative thinking but also equips students to address real-world problems with innovative and holistic solutions. For example, understanding ethical considerations in technology development and appreciating cultural contexts can significantly influence how future engineers design solutions for societal challenges. Furthermore, the integration of online courses facilitates access to diverse learning materials and perspectives, fostering a learning environment that is inclusive of various cultural contexts. Through these initiatives, MSRIT not only enhances skill development but also empowers students to develop interdisciplinary insights that can drive advancements in science and technology while remaining cognizant of their social and cultural responsibilities. Overall, the combination of humanities and technical education at MSRIT prepares students to become well-rounded professionals who can effectively contribute to a more sustainable and equitable world.

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

MSRIT has adopted Outcome Based Education (OBE) since 2011 and the OBE-based curriculum development has been implemented to address all



the graduate attributes. Curriculum content addresses all the Programme Outcomes (PO) and Programme Specific Outcomes (PSO) for UG and PG programmes defined by NBA. Programme Specific Outcomes (PSO) for UG based curriculum is defined in consultation with stakeholders and the same is been approved by Academic Council and Board of Studies. The Choice Based Curriculum has been implemented by considering the Programme Specific criteria of the professional bodies and guidelines of AICTE, UGC & VTU. Every programme offers professional core and elective courses along with open electives (UG). The Institute has made internships mandatory to expose students to the industrial environment. The curriculum formulated by the department is presented to the Department Advisory Board (DAB) and suggestions if any are incorporated into the curriculum before being presented to the Board of Studies (BOS) and Academic Council for approval. The Institute gives more emphasis on the value-added courses and NPTEL/SWAYAM courses for the overall development of students. Course outcomes (COs) of the curriculum of every programme are mapped with program outcomes (POs) and program-specific outcomes (PSOs). The Board of Studies of each Programme/Department typically consists of eminent scientists, academicians from highly reputed Institutions, Industry Professionals and Alumni. A good number of events/programmes on soft skills and professional development are conducted within the campus to enrich the skills of the students. The institute has a well-thought-out mechanism to obtain feedback from all the stakeholders including students regarding the curriculum. Faculty conducts the course-end survey at the end of the semester on the attainment of course outcomes, program outcomes and program-specific outcomes for the course delivered by him/her. Analysis of attainments is made by the Program Assessment Committee (PAC) of each programme.

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

The majority of the faculty have adopted ICT tools for effective teaching and learning. More than 240 lectures have been recorded and the repository is available for students to access online. Institute also encourages modern teaching-learning tools such as MOOCs, NPTEL, E-yantra, Swayam, etc. Every year more than 450 students register for online courses in NPTEL & more than 250 students opt for online courses from Course Era and Udemy. 18 Online course credits weightage has been given for the award of honors degree for the Undergraduate Programs. Online courses are mandatory for awarding internal marks in every course. MSRIT has established an e-Learning center for the recording of lectures, online learning, etc.

#### **Extended Profile**



<b>1.Programme</b>	
1.1	<b>28</b>
Number of programmes offered during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
<b>2.Student</b>	
2.1	<b>5962</b>
Total number of students during the year:	
File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>
2.2	<b>1265</b>
Number of outgoing / final year students during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
2.3	<b>5962</b>
Number of students who appeared for the examinations conducted by the institution during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
<b>3.Academic</b>	
3.1	<b>1391</b>
Number of courses in all programmes during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.2	<b>457</b>
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.3	363
Number of sanctioned posts for the year:	
<b>4. Institution</b>	
4.1	966
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	139
Total number of Classrooms and Seminar halls	
4.3	4010
Total number of computers on campus for academic purposes	
4.4	6242.81
Total expenditure, excluding salary, during the year (INR in Lakhs):	
<b>Part B</b>	
<b>CURRICULAR ASPECTS</b>	
<b>1.1 - Curriculum Design and Development</b>	
1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.	
<p>The Institute employs a systematic approach to developing, revising, and implementing its curriculum across all departments. This curriculum is thoughtfully crafted to incorporate recent technological advancements while addressing regional and global opportunities, ensuring a solid foundational framework.</p> <p>Key factors in curriculum design include:</p> <ul style="list-style-type: none"> <li>Syllabi from Prestigious Institutions: Insights from esteemed Indian and international universities enhance the curriculum's alignment with global educational standards.</li> </ul>	

- **AICTE Model Curriculum:** Guidelines from the All India Council for Technical Education ensure adherence to national educational requirements.
- **Program Specific Outcomes (PSOs):** The curriculum meets industry standards by incorporating specific outcomes defined by relevant professional bodies.
- **Industry Feedback:** Suggestions from industry experts and alumni provide practical insights, keeping the curriculum relevant to current demands.
- **Competitive Exam Syllabi:** The curriculum considers syllabi from exams like GATE and IES, ensuring effective preparation for these assessments.

Furthermore, the implementation of Outcome-Based Education (OBE) aligns Course Outcomes with Program Outcomes defined by the National Board of Accreditation. This alignment equips graduates with vital competencies, enabling them to compete effectively in a dynamic professional landscape.

File Description	Documents
Upload additional information, if any	<a href="#">View File</a>
Link for additional information	<a href="http://www.msrit-igac.com/Syllabus_23-24.html">http://www.msrit-igac.com/Syllabus_23-24.html</a>

### 1.1.2 - Number of Programmes where syllabus revision was carried out during the year

28

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

### 1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

251

File Description	Documents
Curriculum / Syllabus of such courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	<a href="#">View File</a>
MoUs with relevant organizations for these courses, if any	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.2 - Academic Flexibility

### 1.2.1 - Number of new courses introduced across all programmes offered during the year

251

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

### 1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

28

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

## 1.3 - Curriculum Enrichment

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

To address critical issues of Environment and Sustainability, Human Values, and Professional Ethics, the institution has integrated a

diverse array of courses into its undergraduate programs, fostering a well-rounded education that promotes ethical frameworks and environmental stewardship.

A) Human Values Courses like Human Physiology and Food Biotechnology emphasize not only biological concepts but also the ethical implications of health and nutrition, instilling responsibility in food sourcing and consumption. Additionally, Human Resource Management & Yoga merges effective management principles with mental well-being, enhancing ethical workplace environments.

B) Professional Ethics To prepare students for ethical career challenges, courses such as Scientific Writing and Communication focus on maintaining ethical standards in information dissemination, while Indian Education Systems highlight the ethical responsibilities of educators, creating a robust ethical foundation for students in all engineering branches.

C) Environment and Sustainability All UG programs include Environmental Studies, supplemented by specialized courses like Environmental Life Cycle Assessment and Engineering Geology. These subjects encourage sustainable practices and highlight the ethical duties of engineers in areas like Electrical Safety and Solid Waste Management.

In addition, Ability Enhancement Courses improve communication and personal development skills, preparing students to tackle complex career challenges while contributing positively to society. This holistic curriculum cultivates ethically grounded and socially responsible professionals

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	<a href="#">View File</a>
Any additional information	No File Uploaded

**1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year**

**44**

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	No File Uploaded

**1.3.3 - Number of students enrolled in the courses under 1.3.2 above****2656**

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	No File Uploaded

**1.3.4 - Number of students undertaking field work/projects/ internships / student projects****1330**

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	No File Uploaded

**1.4 - Feedback System**

**1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni**

**A. All 4 of the above**

File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="https://msrit.edu/curriculum-feedbackanalysis.html">https://msrit.edu/curriculum-feedbackanalysis.html</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

1.4.2 - The feedback system of the Institution comprises the following		A. Feedback collected, analysed and action taken made available on the website
File Description	Documents	
Provide URL for stakeholders' feedback report	<a href="https://msrit.edu/curriculum-feedbackanalysis.html">https://msrit.edu/curriculum-feedbackanalysis.html</a>	
Any additional information	<a href="#">View File</a>	
TEACHING-LEARNING AND EVALUATION		
2.1 - Student Enrollment and Profile		
2.1.1 - Enrolment of Students		
2.1.1.1 - Number of students admitted (year-wise) during the year		
1885		
File Description	Documents	
Any additional information	<a href="#">View File</a>	
Institutional data in prescribed format	<a href="#">View File</a>	
2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)		
451		
File Description	Documents	
Any additional information	No File Uploaded	
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>	
2.2 - Catering to Student Diversity		
2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.		
M S Ramaiah Institute of Technology embraces a diverse student body from various states in India and different countries, ensuring that each student's learning level is assessed from the moment of admission through a structured orientation program. Key activities include:		



**Bridge Courses:** Prior to the start of regular classes, identified students, particularly international students, participate in targeted bridge courses covering mathematics, physics, and English. Lateral entry (Diploma) students also undertake courses in mathematics and social sciences.

**Slow Learners:** Throughout the semester, students are monitored based on performance in Internal Assessment tests, identifying slow learners who require additional support.

**Mentoring:** Each student is assigned a "Proctor," serving as their academic advisor. The proctor provides guidance to students whose marks fall below expected levels, helping them enhance their performance.

**Remedial Classes:** Students who do not meet eligibility criteria in specific courses are offered remedial classes, allowing for a clearer understanding of the subject matter.

**Advanced Learners:** Those excelling academically are identified and engaged through project-based learning and research activities, fostering their growth and development. This comprehensive approach ensures personalized support and enhances the overall educational experience for all students.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://drive.google.com/file/d/1DYFYZ530uY-v1QX0n0HbX8ROhEWjQkUa/view">https://drive.google.com/file/d/1DYFYZ530uY-v1QX0n0HbX8ROhEWjQkUa/view</a>

### 2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
29/08/2024	5962	457

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## 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:

M S Ramaiah Institute of Technology have implemented innovative techniques to enhance overall student learning, tailoring these methods to fit their specific curricula and learning objectives.

**Experiential Learning:** This approach encompasses Project-Based Learning, Mini-Projects, and the use of modern tools to provide practical application of theoretical concepts.

**Project-Based Learning (PBL):** Students are actively encouraged to engage in real-time projects in collaboration with industry partners or research institutions. Each year, students showcase their projects at an exhibition called "PRADARSHANA," where industry and academic experts evaluate their work. This initiative not only enhances students' exposure to real-world challenges but also fosters networking opportunities that can inspire entrepreneurial endeavors.

**Mini-Projects:** Incorporated into various programs as part of the Continuous Internal Evaluation (CIE), Mini-Projects allow students to bridge the gap between theory and practice. This hands-on experience provides practical insights into theoretical concepts and enhances problem-solving skills.

**Modern Tools:** The curriculum integrates software simulations to reinforce theoretical understanding. Students are encouraged to utilize open-source software alongside specialized simulation tools such as MATLAB, SIMULINK, MULTISIM, SPENHYSYS, ANSYS, COMSOL, and PSCAD. These tools enhance learning through interactive and practical applications.

**Participative Learning:** The institute promotes the use of MOOCs (Massive Open Online Courses) such as NPTEL and SWAYAM, allowing students to supplement their regular coursework. Achievements in these courses contribute to CIE assessments, encouraging continuous learning and skill enhancement. Through these multifaceted strategies, the institute aims to cultivate a dynamic learning environment that empowers students to excel academically and professionally.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://archive.nptel.ac.in/course.html;https://msrit.edu/departement/int-411.html">https://archive.nptel.ac.in/course.html;https://msrit.edu/departement/int-411.html</a>

### 2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

In today's rapidly evolving corporate landscape, mastering the latest technologies is crucial for students to be fully prepared for their future careers. At M S Ramaiah Institute of Technology (MSRIT), educators integrate traditional teaching methods with cutting-edge technology to promote enduring learning experiences.

ICT Tools are extensively utilized across the campus, enhancing the educational environment. Classrooms and labs are equipped with projectors, while computer labs feature desktops and laptops accessible to both students and faculty. Additional essential equipment, such as printers, scanners, and photocopiers, are strategically installed in departmental offices and laboratories. The institute boasts three state-of-the-art seminar rooms, all complete with digital facilities, alongside digital display boards and smart boards across the campus.

Advanced online learning platforms are also employed, including Zoom, Google Meet, Microsoft Teams, and Google Classroom, ensuring seamless online classes. Students are encouraged to expand their knowledge through MOOCs from platforms like NPTEL, Coursera, and Udemy, as well as access a variety of digital library resources.

Faculty members leverage these ICT tools for innovative teaching approaches, such as flipped classrooms, which support blended learning. PowerPoint presentations are routinely used, facilitated by LCDs and projectors, while guest lectures, expert talks, and competitions are held in digitally equipped seminar rooms to enhance industry connections. Furthermore, online quizzes using Google Forms are used for assessment. Around 200 recorded video lectures via Impartus are available for students with valuable resources for long-term learning and reference. This comprehensive use of technology fosters an engaging and effective learning environment at MSRIT.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://www.msrit.edu/department/chemical-engineering.html">https://www.msrit.edu/department/chemical-engineering.html</a>
Upload any additional information	<a href="#">View File</a>

### 2.3.3 - Ratio of students to mentor for academic and other related issues

#### 2.3.3.1 - Number of mentors

346

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	<a href="#">View File</a>

### 2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

M S Ramaiah Institute of Technology is committed to fostering a structured and efficient academic environment, achieved through the meticulous preparation and adherence to an annual academic calendar. This calendar is prepared well in advance and encompasses major activities such as examination dates, seminars, conferences, guest lectures, workshops, industrial visits, holidays, and festival dates. By outlining the total effective working days for each semester, the academic calendar serves as a foundational tool for organizing the Academic Planning. All the departments utilize this framework to develop a timetable that aligns with the available working days and the curriculum requirements of each course ensuring effective program delivery through both academic and industry-relevant inputs.

Similarly, the preparation of a detailed teaching plan is essential for maintaining instructional quality. Faculty members design teaching plans for their respective courses, allocating required instructional hours, instructional time among various teaching methodologies, including classroom lectures, case studies, workshops, and lab sessions, tailored to the needs of the curriculum. These plans are prepared in advance, providing a

structured guide for the teaching process. The Principal and Heads of Departments continually monitor the progress of each course, ensuring it is completed within the specified timeframe. This proactive approach guarantees an ideal integration of theoretical knowledge and practical skills, ultimately enhancing the educational experience for students.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

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

457

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
Any additional information	No File Uploaded

### 2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

234

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	<a href="#">View File</a>
Any additional information	No File Uploaded

### 2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

16.7

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	No File Uploaded

## 2.5 - Evaluation Process and Reforms

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

10

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	No File Uploaded

### 2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

13

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Examination system is completely IT integrated (E-sutrasoftware) which enables the system for the fast processing of registration, conduction of examination, evaluation, attainment of outcomes, announcement of results and printing of grade cards. Examination Procedures for Continuous Internal Evaluation (CIE) is as below:

1. CIE is conducted as per the academic calendar for 50 marks. 2.

Students wise progress report is generated after every test and the same is communicated.

Under graduate (Semester End Examination)-

1. The student registers for the examination online. 2. The eligible students list and their admission tickets are printed by the automation system. 3. The results are generated after completion of valuation process. 4. Moodle: Used to conduct quizzes for the purpose of Continuous Internal Assessment (CIA)

Post Graduate -

1. The steps for the pre-examination process are as per the undergraduate examination. 2. The bar coded answer books are subjected to double evaluation & marks entered by the evaluators are printed and marks sheet are submitted along with the packets. 3. The system decides the answer books to be subjected to third evaluation based on the Institution norms.

Reforms impact on Examination process:

1. Increased confidentiality, reduction of manual entry & minimization of mistakes in the evaluation process. 2. Course attainments and other OBE analysis is carried out precisely and reports are generated. 3. Results are announced on institutional website. 4. A digital repository with backup is maintained which enables quick document retrieval for the purpose of certifications & printing certificates. 5. Enhancement of credibility of examination process.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.msrit.edu/examination.html">https://www.msrit.edu/examination.html</a>

## 2.6 - Student Performance and Learning Outcomes

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

Programme Outcomes (POs) articulate the essential qualities and competencies that graduates are expected to acquire by the end of their respective programs. Derived from graduate attributes, these outcomes are tailored for both undergraduate (UG) and postgraduate



(PG) programs, encompassing a comprehensive framework incorporating knowledge, skills, and attitudes. The National Board of Accreditation (NBA) defines these POs for engineering, MBA, and MCA programs, ensuring that they meet the requisite educational standards. Along with the the POs, Programme Specific Outcomes (PSOs) delineate the competencies specific to UG programs, directly linked to their core curriculum. Each program typically limits the number of PSOs to between three to four, facilitating focused learning outcomes.

Further breaking down the educational framework, Course Outcomes (COs) specify the competencies students are expected to achieve upon completing a course. Defined for all theory subjects, laboratories, and projects, the number of COs can range from three to six, depending on the course material. The course coordinator utilizes Bloom's Taxonomy to structure these outcomes, ensuring a comprehensive approach to learning. COs are meticulously mapped to the appropriate POs, assigned weightage from 1 to 3, allowing for effective assessment. Notably, project work holds significant relevance and is aligned with a majority of the program outcomes.

For transparency and accessibility, the POs, PSOs, and COs are prominently displayed on the college website (<http://www.msrit.edu>), along with the syllabi for all programs offered by the department, providing students and stakeholders with clear educational expectations.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Link for additional Information	<a href="http://www.msrit-igac.com/Syllabus.html">http://www.msrit-igac.com/Syllabus.html</a>

#### 2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

The curriculum designed by the Departments of M S Ramaiah Institute of Technology is meticulously aligned with the Programme Outcomes (POs) and Programme Specific Outcomes (PSOs). This alignment ensures that all courses effectively contribute to the competencies expected of graduates. Each Course Outcome (CO) is thoughtfully mapped to the corresponding POs and PSOs, with weightage assigned (3 for high, 2 for moderate, and 1 for low) to reflect the degree of conformity.

The development of COs follows Bloom's Taxonomy, allowing for a structured approach to learning objectives that fosters critical thinking and skill acquisition. This mapping showcases how individual courses support the overarching educational goals outlined by the POs and PSOs. Assessment of COs involves both direct and indirect techniques; direct assessments include Continuous Internal Evaluation (CIE), Semester End Examinations (SEE), and project work, while indirect assessments are conducted via course end surveys. The CIE encompasses a variety of evaluation methods, such as quizzes, internal assessment questions, assignments, and practical laboratory work, which are all aligned with COs. A similar mapping strategy is employed for SEE. Additionally, rubrics are crafted for projects, seminars, case studies, and internships to ensure consistent evaluation standards. The attainment of COs is quantitatively measured, with a weightage of 40% for CIE, 40% for SEE, and 20% for indirect assessment. A sample evaluation of POs and COs attainment is available for further reference, illustrating the institution's commitment to educational excellence.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://msrit.edu/departament/eee.html">https://msrit.edu/departament/eee.html</a>

### 2.6.3 - Pass Percentage of students

#### 2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

**1406**

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for the annual report	<a href="https://s3.ap-south-1.amazonaws.com/www.msrit-igac.com/assets/img/Annual+Report+2023-24.pdf">https://s3.ap-south-1.amazonaws.com/www.msrit-igac.com/assets/img/Annual+Report+2023-24.pdf</a>

## 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://msrit.edu/student-satisfaction-survey.html>

## RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

MSRIT is committed to fostering a robust research culture among its faculty and students, focusing on six key themes:

1. **Industry-Oriented R&D:** To strengthen ties between academia and leading industries, MSRIT has established nine Centers of Excellence. These centers encourage collaboration among faculty from various disciplines to promote interdisciplinary research and enhance opportunities for external funding and consultancy.
2. **Seed Funding:** To support innovative projects, MSRIT offers seed funding exceeding Rs 5 lakhs. This financial backing allows faculty to explore innovative concepts, develop prototypes, and create unique algorithms.
3. **Financial Support for PhD Scholars:** MSRIT offers financial assistance to full-time PhD scholars, providing up to Rs 25,000 monthly to support their research endeavors.
4. **Incentives for Quality Publications:** MSRIT incentivizes faculty who publish research in reputable journals, as ranked by Scimago (Q1 to Q4). This initiative encourages high-quality academic contributions.
5. **Intellectual Property Policy:** MSRIT has implemented a comprehensive Intellectual Property Policy to protect all intellectual property generated within the institution. The policy includes full funding for patent filing.
6. **Establishment of Research and Development Group:** MSRIT has established a dedicated Research Centre, led by Dr. KRV Subramanian, with senior faculty members from various engineering disciplines. This group focuses on advancing research initiatives and promoting a vibrant research

environment.

Through these initiatives, MSRIT aims to drive innovation and excellence in research.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://msrit-bucket.s3-us-west-2.amazonaws.com/Uploads/ResearchPolicy.pdf">https://msrit-bucket.s3-us-west-2.amazonaws.com/Uploads/ResearchPolicy.pdf</a>
Any additional information	<a href="#">View File</a>

### 3.1.2 - The institution provides seed money to its teachers for research

#### 3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

61.05080

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	<a href="#">View File</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View File</a>
List of teachers receiving grant and details of grant received	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

3

File Description	Documents
e-copies of the award letters of the teachers	<a href="#">View File</a>
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.2 - Resource Mobilization for Research

#### 3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

**348.39908**

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	<a href="#">View File</a>
List of projects and grant details	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 3.2.2 - Number of teachers having research projects during the year

**15**

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	<a href="https://www.msrit.edu/research/rnd.html">https://www.msrit.edu/research/rnd.html</a>
List of research projects during the year	<a href="#">View File</a>

#### 3.2.3 - Number of teachers recognised as research guides

**234**

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	No File Uploaded
Institutional data in Prescribed format	<a href="#">View File</a>

### 3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

8

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="https://www.msrit.edu/research/rnd.html">https://www.msrit.edu/research/rnd.html</a>
Any additional information	No File Uploaded

### 3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The Entrepreneurship Development Cell (EDC) at M S Ramaiah Institute of Technology was established in July 2003 as a dynamic platform dedicated to nurturing multidimensional skills among its students. EDC-MSRIT engages students in entrepreneurship through various programs that include guest lectures from accomplished entrepreneurs, workshops, and other events throughout the year. These initiatives are designed to immerse students in essential entrepreneurial activities and foster a robust startup culture. The EDC not only educates but also incubates promising startup ideas, creating a supportive ecosystem for budding entrepreneurs. By providing guidance and resources, the cell helps transform innovative concepts into viable startups. The vision of EDC is to provide sustainable entrepreneurial activities that cultivate a startup culture while implementing environmental, social, and economic solutions. Currently, the cell is incubating four prototypes and boasts collaborations with the Confederation of Indian Industry (CII), National Entrepreneurship Network (NEN), and the Institute Innovation Council. With a budget allocation of Rs 20 lakhs and a dedicated built-up area of approximately 3,000 sq. ft., EDC is well-equipped to encourage entrepreneurial ventures. To further empower

innovative entrepreneurship, the Ramaiah group of institutions launched Ramaiah Evolute is focusing on facilitating early-stage cross-disciplinary startups in India. Through these efforts, MSRIT's EDC continues to inspire and support the next generation of entrepreneurs.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://www.msrit.edu/support/edc.html">https://www.msrit.edu/support/edc.html</a>

### 3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

28

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.4 - Research Publications and Awards

**3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software**

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year



**3.4.2.1 - Number of PhD students registered during the year****57**

File Description	Documents
URL to the research page on HEI website	<a href="https://msrit.edu/research/camt.html">https://msrit.edu/research/camt.html</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year****752**

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year****25**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.jotform.com/tables/220341316306442">https://www.jotform.com/tables/220341316306442</a> <a href="https://www.jotform.com/tables/233121838280452">https://www.jotform.com/tables/233121838280452</a>

**3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed****3.4.5.1 - Total number of Citations in Scopus during the year****1907**

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>

### 3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

#### 3.4.6.1 - h-index of Scopus during the year

27

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.5 - Consultancy

#### 3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

108.52711

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	No File Uploaded
Any additional information	No File Uploaded

#### 3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

176000

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<a href="#">View File</a>
List of training programmes, teachers and staff trained for undertaking consultancy	<a href="#">View File</a>
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

### 3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

The National Service Scheme (NSS) Unit at M S Ramaiah Institute of Technology (MSRIT) was established in 1999 and has since been dedicated to community service, adopting Avathi village near Devanahalli as part of the Unnat Bharat Abhiyaan and Swachh Bharat Abhiyaan initiatives. The NSS Unit has successfully undertaken over many impactful projects aimed at improving sanitation and providing access to clean drinking water for the local community.

Key activities organized by the NSS include an annual blood donation camp, wherein students actively participate to contribute to a vital cause (Collect nearly 1000 Units of Blood by Many Govt. Blood Banks every year). In addition to health-related initiatives, the NSS volunteers engage in innovative activities such as recycling old books, promoting sustainable practices within the community. E-waste collection drives are also conducted, raising awareness about proper waste disposal, while plantation drives foster environmental consciousness among the volunteers and the community alike. NSS student-volunteers extend their outreach by visiting slum areas to conduct dental and eye check-ups, ensuring that essential healthcare services reach underserved populations. Furthermore, skill development programs are organized for school dropouts and individuals of all age groups, enhancing their employability and life skills. In conjunction with its community service initiatives, MSRIT boasts an active IEEE MSRIT Student Branch serves as a platform to enrich students from MSRIT and surrounding engineering colleges with the latest technological advancements and research

**developments.**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://msrit.edu/support/nss.html">https://msrit.edu/support/nss.html</a>

**3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year****27**

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)****9**

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year****1931**

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.7 - Collaboration****3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work**

**1931**

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

**21**

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 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 equipments, etc.

M S Ramaiah Institute has state of art Facilities with built-up area of 85,042.32 sq. m., designed to meet the diverse needs of students and faculty. It includes 125 classrooms, 109 laboratories, a central library, an auditorium, five seminar halls, four board rooms, indoor and outdoor playing facilities. With a computing facility comprising 3,605 computers, the institution ensures adequate support for the teaching and learning process. All classrooms are equipped with Wi-Fi and LCD projectors, while six classrooms also include recording facilities for extensive lecture documentation.

The total internet bandwidth available is an impressive 2.25 Gbps, facilitating efficient online learning and research. To ensure the effective use of this infrastructure, the institution employs a sufficient number of well-qualified laboratory technicians and system administrators. Furthermore, physical infrastructure is

optimally utilized beyond regular college hours to accommodate certificate courses, co-curricular and extracurricular activities, proctor meetings, placement training classes, seminars, and conferences. Each department boasts a dedicated number of laboratories and classrooms that exceed the norms set by University (VTU) and the All India Council for Technical Education (AICTE). Laboratories are well-equipped with the necessary experimental setups to facilitate hands-on learning. The central library offers a substantial collection of reference books and journals, while computer laboratories in different blocks are utilized for online examinations, aptitude tests, project work, and various competitions, supporting the academic development of students across all departments. Overall, the institution provides a comprehensive and conducive environment for holistic education

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.easytourz.com/BTEmabedTour/all/87002a26d035a1f7">https://www.easytourz.com/BTEmabedTour/all/87002a26d035a1f7</a>

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

### Sports Facilities

The Department of Physical Education at MSRIT is led by a Physical Director and supported by specialized coaches for various sports, including football, hockey, volleyball, cricket, and basketball. The department is committed to providing a diverse range of recreational and leisure activities for students, faculty, and staff. To foster the physical development of students, the college boasts an array of facilities for both indoor and outdoor games. An indoor sports complex features amenities for Yoga, carom, chess, and table tennis, while outdoor facilities include courts for basketball and tennis, as well as expansive grounds for football, hockey, and other sports.

### Cultural Activities

MSRIT recognizes the importance of holistic student development and actively encourages participation in various cultural activities, such as music, theatre, and visual and fine arts. In addition to

sports, the institution supports initiatives like the National Service Scheme (NSS) and the Entrepreneurship Cell. Unique to MSRIT is the establishment of the Department of Extra-Curricular Activities (DECA), dedicated to overseeing student involvement in both on-campus and off-campus activities throughout the year. A highlight of the cultural calendar is UDBHAV, one of the premier college cultural festivals in South India, organized annually by the institute. This fest serves as a platform for students to showcase their talents, fostering creativity and collaboration while contributing to a vibrant campus culture. Through these comprehensive sports and cultural facilities, MSRIT ensures that students achieve a balanced and enriching educational experience.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.msrit.edu/support/sports.html">https://www.msrit.edu/support/sports.html</a>

#### 4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

139

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

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

6243.41423

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	No File Uploaded



## 4.2 - Library as a Learning Resource

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

The MSRIT Library is a well-equipped facility spread across six locations on campus, encompassing a carpet area of 40,350 sq. ft. It offers a total seating capacity for 1,265 users, creating a conducive environment for study and research. The library houses an impressive collection of 117,802 volumes with 38,512 unique titles, as well as 23,956 e-books. Furthermore, it provides perpetual access to 65 national and international printed journals, primarily focused on engineering, technology, management, and related disciplines.

In addition, the library subscribes to 7,886 full-text e-journals from esteemed platforms such as ICE, IEL Online, Taylor & Francis, and Springer, ensuring that students and faculty have access to a wealth of academic resources. To enhance user experience, all library resources are fully barcoded and automated with LIBSYS 7 (Rel. 3). The library also features a technology platform equipped with the Turnitin Web Tool, which serves as a plagiarism checking resource to support the research and development activities of both students and faculty. The digital library component includes 132 high-end configured computers connected to a high-bandwidth network for seamless access to digital resources. Remote access to e-resources is facilitated through the KNIMBUS Digital Library Platform, which employs a federated search engine for efficient information retrieval. The library utilizes LIBSYS for integrated library management and DSpace on Ubuntu OS for digital library services. It adheres to BSB and BIS standards and utilizes SCOPUS for database management, complemented by the NetAnalytiks-Sententia tool for grammar checking, ensuring high-quality academic support for the entire MSRIT community.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.msritlibrary.org/">https://www.msritlibrary.org/</a>

**4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources**

**A. Any 4 or more of the above**

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

#### 4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

130.58

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

#### 4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

##### 4.2.4.1 - Number of teachers and students using the library per day during the year

4801

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

M S Ramaiah Institute is committed to maintaining a robust IT ecosystem, ensuring that it is aligned with contemporary technological standards and best practices. The IT policy encompasses a comprehensive framework that addresses essential components such as Wi-Fi access, cybersecurity measures, and overall IT infrastructure enhancement. This strategic approach is designed to foster a secure and conducive learning environment for students and faculty.

A highlight of the institution's IT policy is the provision of campus-wide Wi-Fi connectivity, which facilitates seamless internet access for all users. This connectivity supports various educational and research activities, enabling students to engage in collaborative learning and access academic resources effortlessly. Furthermore, the institution places a strong emphasis on cybersecurity, implementing robust measures to protect sensitive data and educate users about safe online practices. This includes regular workshops and training sessions aimed at promoting awareness about potential cyber threats and ensuring that all stakeholders are equipped with the knowledge to navigate the digital landscape securely.

To sustain and enhance its IT facilities, the institution has allocated a dedicated budget (3 Crore/Year) for regular updates and upgrades. This financial commitment ensures that the latest technologies are integrated into the campus infrastructure, maintaining high standards of efficiency and effectiveness. By continually investing in IT resources, the institution not only improves its operational capabilities but also enhances the overall educational experience.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://msrit.edu/facilities/internet.html">https://msrit.edu/facilities/internet.html</a>

#### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
5962	4010

File Description	Documents
Upload any additional information	<a href="#">View File</a>

#### 4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 250 Mbps

File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**4.3.4 - Institution has facilities for e-content development:**  
**Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing**

**A. All four of the above**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://a.impartus.com/login/#/https://msrit.edu/videos/">https://a.impartus.com/login/#/https://msrit.edu/videos/</a>
List of facilities for e-content development (Data Template)	<a href="#">View File</a>

#### **4.4 - Maintenance of Campus Infrastructure**

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

**4251.16883**

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

**The Maintenance Department at M.S. Ramaiah Institute of Technology (MSRIT) is committed to ensuring the upkeep of the institute's physical infrastructure.**

**Water Supply MSRIT relies on bore wells as its primary source of potable water, tapping groundwater for domestic use.**

**Rainwater Harvesting** The institute features six blocks, each equipped with a rainwater harvesting tank. The harvested rainwater is utilized for gardening, promoting sustainable practices.

**Wastewater Treatment** MSRIT operates a wastewater treatment plant that employs SBR technology, capable of treating up to 250,000 liters of wastewater daily, thereby minimizing environmental impact.

**Parking Facilities** The institution provides dedicated parking areas for both staff and students, accommodating 70 cars and 1,800 two-wheelers.

**Solid Waste Management** Solid waste generated on campus is meticulously segregated. Wet waste is collected by BBMP lorries for disposal, while dry waste is sold to scrap vendors for recycling.

**E-Waste Disposal** E-waste is collected by an authorized vendor at the end of each semester for proper treatment, recycling, and disposal.

**Chemical Waste Treatment** Chemical wastewater from laboratories is treated in a specialized Effluent Treatment Plant (ETP) before being combined with domestic sewage.

**Electric Power Backup** Solar panels installed across the MSRIT campus possess a capacity of 431 kWp, supplying 47% of the institute's electricity requirements, enhancing energy efficiency.

Through these initiatives, MSRIT demonstrates its dedication to sustainability and effective resource management, contributing to a greener campus environment.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://msrit.edu/facilities/others.html">https://msrit.edu/facilities/others.html</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

1648

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

50

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

### 5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	<a href="https://msrit.edu/">https://msrit.edu/</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

624

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees**

**A. All of the above**

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## **5.2 - Student Progression**

### **5.2.1 - Number of outgoing students who got placement during the year**

**1053**

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### **5.2.2 - Number of outgoing students progressing to higher education**

203

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Details of students who went for higher education	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

#### 5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

203

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.3 - Student Participation and Activities

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

24

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The institute actively fosters student engagement by providing opportunities for them to represent various academic and administrative bodies and committees. Each year, every department selects two representatives from each semester, preferably one male and one female student. The Principal meets with these



representatives at least once per semester, following the first internal assessments, to discuss key topics such as course offerings, teaching methodologies, and evaluation processes.

Student feedback plays a vital role in the institution's development, with students participating in faculty evaluations every semester and institutional feedback collected annually. Each department organizes at least two guest lectures per semester featuring industry experts and esteemed academicians, providing students with valuable insights and exposure to cutting-edge research. Furthermore, at least two final-year students are invited to the Board of Studies (BOS) meetings to share their perspectives on curriculum and assessment. Additionally, two student representatives attend the Internal Quality Assurance Cell (IQAC) meetings, ensuring that student voices are heard in quality enhancement efforts.

The institute also emphasizes community engagement, with students participating in service activities through the National Service Scheme (NSS), women's cell, and various clubs. To recognize excellence, the institution honors the best student from each program and the best outgoing student, as well as awarding gold medals to rank holders from each discipline

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://msrit.edu/">https://msrit.edu/</a>

### 5.3.3 - Number of sports and cultural events / competitions organised by the institution

11

File Description	Documents
Report of the event	<a href="#">View File</a>
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to

the development of the institution through financial and other support services

The alumni association of MSRIT plays a crucial role in fostering connections and enhancing relationships among alumni, students, faculty, and management. Operating a dedicated alumni portal ([www.msritalumni.com](http://www.msritalumni.com)), the association boasts over 20,000 members worldwide, facilitating robust interaction and networking opportunities. Current initiatives led by the association include several impactful scholarship programs designed to support deserving students. The Merit and Means Scholarship provides financial assistance based on 80% merit and 20% need, with each scholarship amounting to Rs 10,000. Annually, 40 to 50 students benefit from this support. The Krishna P. Godasi Scholarship covers the full tuition fees for the entire B.E. or B.Arch program for students who meet specific criteria, with 20-30 awards given each year.

Furthermore, the GMW Aspire Foundation Scholarship, initiated by distinguished alumnus Sri Jasbir Singh, awards Rs 1,00,000 to deserving students, significantly alleviating their financial burdens. The association also allocates Rs 1.3 to 1.5 lakh annually for UG and PG student projects, encouraging innovation and practical application of knowledge. In addition, the alumni association recognizes academic excellence through the institution of gold medals awarded to the first-rank holders in various departments during graduation ceremonies, celebrating outstanding achievements. Every Year Alumni Association Select one Best Alumni from every Department and Award will be presented during MILANA (MSRIT Alumni association Day). Through these initiatives, the MSRIT Alumni Association not only strengthens the bond among its members but also contributes significantly to enhancing the educational experience of current students, fostering a supportive and engaged community that continues to thrive beyond graduation.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.msritalumni.com/page/Scholarships.dz">https://www.msritalumni.com/page/Scholarships.dz</a>

**5.4.2 - Alumni's financial contribution during the year**

**A. ? 15 Lakhs**

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

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

The governance of M. S. Ramaiah Institute of Technology (MSRIT) reflects effective leadership aligned with the institution's vision and mission. Established in 1962, MSRIT aims to be an institution of international eminence known for delivering quality technical education, cutting-edge research, and innovative solutions to meet global socio-economic needs.

**Vision:** To be recognized globally for imparting exceptional technical education and fostering innovative research that addresses pressing socio-economic challenges.

**Mission:** MSRIT is committed to fulfilling this vision by:

1. Providing quality technical education in a conducive learning environment that emphasizes continuous improvement and customization.
2. Establishing research clusters in emerging fields through collaborations with globally reputed organizations.
3. Engaging in innovative skills development, techno-entrepreneurial activities, and consultancy services that cater to socio-economic needs.

To achieve these objectives, MSRIT has established various committees and bodies that support its administrative framework. The governance is overseen by a Governing Body (GB), which includes directors of the institution, distinguished academicians, prominent industrialists, the Principal, and senior faculty members. The GB plays a crucial role in approving the vision and mission, strategic plans, new academic programs, and infrastructure development initiatives. The GB convenes biannually to review the institution's progress and growth, ensuring alignment with its objectives. The college has a clearly defined organizational structure that facilitates effective governance and fosters a collaborative atmosphere for academic and administrative functions. Through these governance strategies, MSRIT is steadfast in its commitment to

excellence in education and research, preparing its students to thrive in a dynamic global landscape.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	<a href="https://msrit.edu/gov-others.html">https://msrit.edu/gov-others.html</a>

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Effective leadership at M. S. Ramaiah Institute of Technology (MSRIT) is exemplified through its commitment to decentralization and participative management. The institution fosters a culture of inclusivity by actively involving faculty members in a diverse range of administrative roles across various academic and non-academic committees, allowing for collaborative decision-making. Decentralization of Administrative and Academic Powers: At the helm of MSRIT's academic and administrative processes is the Principal, supported by key personnel including the Vice-Principal, Registrars (Academic, Administration, Admission), Controller of Examinations, and Heads of Departments. This collaborative leadership ensures a cohesive operational structure, with senior faculty members participating in various governance bodies such as the Governing Body, Academic Council, Board of Studies, Research and Development (R&D) Committee, and the Internal Quality Assurance Cell (IQAC).

Delegation of Financial Powers: Financial operations are overseen by the Chief Executive and Chief of Finance, with the Finance Committee, comprising the Chief Executive, Chief of Finance, Principal, and several senior faculty members, executing financial activities. This committee allocates budgets to individual departments through consultations with department heads, with all decisions subject to approval by the Governing Body. Each Head of Department is authorized to make financial decisions up to Rs. 5 lakh per annum, while the Principal can utilize up to Rs. 25 lakh annually for routine operations. Through these practices, MSRIT not only empowers its staff but also enhances accountability and transparency within the institution, ultimately contributing to a more dynamic and effective academic environment.

File Description	Documents
Upload strategic plan and deployment documents on the website	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for additional Information	<a href="https://msrit.edu/gov-others.html#governing">https://msrit.edu/gov-others.html#governing</a>

## 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The strategic plan for M. S. Ramaiah Institute of Technology (MSRIT) for the period 2020-2030 is a comprehensive framework designed to align with the institution's vision, mission, and core values. This plan is geared towards establishing MSRIT as a leading technical institute in India, excelling in teaching, research, and development. It emphasizes the importance of providing quality technical education and career guidance to a diverse student population.

MSRIT's strategic plan is centered around four key themes:

- 1. Quality of Teaching and Learning Process with Outcome-Based Education:** This theme focuses on enhancing teaching methodologies to ensure effective learning outcomes for students.
- 2. Quality Research, Innovation, and Creativity Programs:** The institution has prioritized research and development over the last decade, promoting a vibrant research culture among faculty and increasing the number of full-time Ph.D. scholars.. Nine Centers of Excellence are being established specifically to address research requirements and support Ph.D. candidates. Faculty members are also encouraged to engage in in-house research, with seed grants exceeding Rs. 5 lakhs available to help kickstart projects.
- 3. Outreach and Engagement:** MSRIT aims to strengthen connections with industry and the community through various outreach initiatives.
- 4. Efficient and Effective Management:** This theme encompasses the institution's commitment to improving administrative processes

and resource allocation for better operational efficiency.

Through the implementation of this strategic plan, MSRIT is poised to make significant strides towards its aspiration of becoming a premier institution for technical education and research in the country.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://s3.ap-south-1.amazonaws.com/www.msr-it-igac.com/assets/6.2.1-Revised+Strategic+plan_2024.pdf">https://s3.ap-south-1.amazonaws.com/www.msr-it-igac.com/assets/6.2.1-Revised+Strategic+plan_2024.pdf</a>
Upload any additional information	No File Uploaded

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

M. S. Ramaiah Institute of Technology (MSRIT) demonstrates effective and efficient functioning of its various institutional bodies, as evidenced by its well-defined policies, administrative setup, and clearly outlined appointment and service rules. The institutional governance framework establishes distinct roles and responsibilities that facilitate smooth administration and academic operations.

**Governing Body:** The Governing Body convenes biannually to review and approve essential initiatives such as launching new degree programs and planning infrastructural developments. Additionally, it reviews and approves the budget submitted by the Finance Committee, ensuring fiscal responsibility.

**Academic Council:** Meeting annually, the Academic Council plays a pivotal role in scrutinizing and approving proposals from the Board of Studies. This includes modifications related to courses of study, academic regulations, curricula, and instructional and evaluation methods. Their decisions directly impact the educational standards maintained by the institution.

**Finance Committee:** The Finance Committee meets once a year to prepare the budget for the institute and manage funding for autonomous examinations, ensuring that financial resources are allocated effectively.

**Recruitment Process:** The recruitment procedure begins with Heads of Departments submitting their faculty requirements to the Principal. Advertisements are published in leading newspapers, and eligible candidates are shortlisted for interviews conducted by the respective departments.

**Promotional Policies:** The management considers staff members for promotion annually, specifically those who have enhanced their qualifications (e.g., earning a Ph.D.).

This structured governance approach enables MSRIT to uphold academic excellence while fostering an environment conducive to growth and development for both faculty and students.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://msrit-bucket.s3-uswest-2.amazonaws.com/Organogram.png">https://msrit-bucket.s3-uswest-2.amazonaws.com/Organogram.png</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://msrit.edu/">https://msrit.edu/</a>

### 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) Documen	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression



M. S. Ramaiah Institute of Technology (MSRIT) prioritizes the welfare of its teaching and non-teaching staff by implementing a range of effective measures that support career development and progression.

The institution allows encashment of earned leave according to established norms, ensuring that faculty have options for managing their time off. To promote skill enhancement, MSRIT provides all financial and leave benefit for the participation in technical seminars and workshops. Faculty members benefit from comprehensive retirement plans, ensuring financial security post-employment. Additionally, the Employees Family Welfare Fund provides substantial support: a lump sum of Rs. 100,000 is allotted in the event of a staff member's death. MSRIT offers medical insurance coverage for employees and their families, as well as for students. In the past year, the institution has invested significantly in medical insurance and additional health expenses, covering treatments at M. S. Ramaiah Hospitals up to Rs. 1,00,000 per year for each staff member.

For the children of teaching faculty, the institution provides fee concessions, while faculty can also benefit from shares in consultancy activities. Non-teaching staff receive festival advances and are assured time-bound increments. Furthermore, the institute facilitates seamless transportation solutions for its staff, enhancing their convenience and accessibility. Through these comprehensive welfare measures, MSRIT not only supports the well-being of its staff but also fosters an environment conducive to personal and professional growth, ultimately contributing to a dedicated and motivated workforce.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.starhealth.in/">https://www.starhealth.in/</a>

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

31



File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### 6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

50

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

257

File Description	Documents
Summary of the IQAC report	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 6.4 - Financial Management and Resource Mobilization

### 6.4.1 - Institution conducts internal and external financial audits regularly

M. S. Ramaiah Institute of Technology (MSRIT) prioritizes financial integrity through the regular conduct of both internal and external financial audits. This systematic approach ensures compliance with financial regulations and promotes transparency in all financial operations.

**Internal Audit:** The internal audit process at the institute is continuous and methodical. It involves the Finance Committee working in conjunction with qualified auditors from external agencies. A dedicated team is assigned to verify all financial transactions, including payments, receipts, vouchers, ledgers, and cashbooks. Additionally, the Internal Quality Assurance Cell (IQAC) conducts a process audit of the accounts twice a year, further ensuring meticulous oversight of financial management.

**External Audit:** For external audits, the management has appointed B. N. Subramanya & Co., Chartered Accountants, to carry out a comprehensive review of the college's financial statements. At the end of each financial year, qualified chartered accountants meticulously audit records, including income statements, expenditures, balance sheets, and accompanying notes. Funded projects are also subjected to external auditing to guarantee adherence to financial standards.

To promote accountability and inform stakeholders, the institution publishes its audited financial statements on its official website. This transparency allows concerned parties to access critical financial information, reinforcing the institute's commitment to responsible financial governance. Through these robust auditing practices, MSRIT not only safeguards its financial resources but also enhances trust and confidence among its students, staff, and the broader community.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://msrit-bucket.s3.us-west-2.amazonaws.com/Reports/Audited_Financial_Reports/Financial+Statement+--+2024.pdf">https://msrit-bucket.s3.us-west-2.amazonaws.com/Reports/Audited_Financial_Reports/Financial+Statement+--+2024.pdf</a>

#### **6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)**

**73.05080**

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

M. S. Ramaiah Institute of Technology (MSRIT) employs various strategies for mobilizing funds and optimally utilizing resources to ensure financial sustainability and support institutional goals. The primary source of revenue is the tuition fees collected from students. In addition, the institute actively seeks financial assistance through external research projects and extensive consultancy work, which contribute additional income streams. Interest generated from the institution's corpus further bolsters its financial resources.

The majority of the institute's expenditure is allocated to salaries and benefits for both teaching and non-teaching staff. Expenditure planning involves a collaborative approach, gathering input from department heads and section leaders to prepare comprehensive budgets. These budgets account for various needs, including equipment procurement, workshop and conference facilitation, travel expenses, and maintenance costs for laboratories and equipment.

Recurring expenses, such as chemicals, glassware, and stationery, are carefully considered before finalizing the annual budget. Each departmental budget is rigorously scrutinized by the finance committee to ensure fiscal responsibility. Quarterly meetings are held to monitor and evaluate the expenditure of various departments.

Furthermore, the budget encompasses allocations for the library, seed money for innovative projects, incentives for research publications, stipends for full-time research scholars, sports activities, centralized computer maintenance, and housekeeping services. Scholarships are funded through partnerships with government and non-government organizations, enhancing support for deserving students.

Through these strategic financial practices, MSRIT not only manages its resources effectively but also fosters an environment conducive to academic excellence and research innovation.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://msrit-bucket.s3.us-west-2.amazonaws.com/Reports/Audited_Financial_Reports/Financial+Statement+-+2024.pdf">https://msrit-bucket.s3.us-west-2.amazonaws.com/Reports/Audited_Financial_Reports/Financial+Statement+-+2024.pdf</a>

## 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The Internal Quality Assurance Cell (IQAC) at M. S. Ramaiah Institute of Technology (MSRIT) plays a pivotal role in institutionalizing quality assurance strategies and processes. With a focus on continuous quality improvement, the IQAC adopted a participatory approach, which has significantly enhanced curriculum enrichment, academic excellence, teaching and learning processes, evaluation methods, and the overall research environment.

Among its key initiatives, the IQAC conducts regular academic audits to monitor and evaluate institutional performance. After each semester, senior faculty members perform internal audits to assess the effectiveness of academic programs, with a designated coordinator identifying auditors for each department. Furthermore, the IQAC undertakes internal audits by appointing 40 senior faculty members as IQAC auditors, who audit teaching, non-teaching departments, and administrative offices at the semester's end. Any identified discrepancies prompt specific suggestions for improvements in the respective departments. To further strengthen the quality system, external academic audits have been implemented since 2013, with an external agency conducting annual evaluations of institutional performance. These audits provide critical insights that drive quality enhancement.

Additionally, the IQAC is proactive in supporting faculty development through pedagogy and skill upgradation training. Since 2013, it has initiated training programs focused on Outcome-Based Education (OBE) and assessment techniques, ensuring that faculty are well-equipped to foster effective teaching and learning environments. Through these concerted efforts, the IQAC at MSRIT has

made substantial contributions to incremental improvements in quality and the implementation of post-accreditation quality initiatives, reinforcing the institution's commitment to excellence in education.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://naac.msrit.edu/IQAC/index.html">https://naac.msrit.edu/IQAC/index.html</a>

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

M. S. Ramaiah Institute of Technology (MSRIT) employs a systematic approach to reviewing its teaching-learning processes, operational structures, and learning outcomes through the Internal Quality Assurance Cell (IQAC). This review mechanism is aligned with established norms and takes place at periodic intervals.

Programme Assessment Committee (PAC) review, which assesses the attainment levels of students concerning knowledge, skills, and attitudes. The IQAC has defined procedures to calculate the attainment of Course Outcomes (COs) and Program Outcomes (POs). Recommendations from the PAC play a crucial role in informing curriculum revisions and enhancing teaching methodologies. The IQAC also audits the achievements of all COs and POs for both undergraduate and postgraduate programs, ensuring accountability and continuous improvement. To strengthen industry engagement within the teaching-learning framework, the institution emphasizes industry participation. Additionally, the IQAC mandates industry internships for students (both UG and PG) lasting 3 to 4 weeks, integrating real-world experience into the academic curriculum.

Curriculum design at MSRIT is significantly influenced by industry feedback, incorporating insights from the Academic Council, Board of Studies, and Department Advisory Boards, all of which include industry experts. This ensures that the curriculum remains relevant to current industrial demands. Moreover, the IQAC promotes the inclusion of industry professionals in course delivery through Faculty Development Programs, workshops, seminars, and technical talks. This initiative enriches the learning experience, bridging the gap between academic theory and practical application, and equipping students with the skills necessary for their future careers. Through these initiatives, MSRIT reinforces its commitment

to academic excellence and industry relevance.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://naac.msrit.edu/IQAC/index.html">https://naac.msrit.edu/IQAC/index.html</a>

**6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)**

**A. Any 4 or all of the above**

File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://drive.google.com/file/d/1vkBJypzQGMbYfVwJqGlMyAH9jprdTxI/view?usp=drive_link">https://drive.google.com/file/d/1vkBJypzQGMbYfVwJqGlMyAH9jprdTxI/view?usp=drive_link</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## **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**

To promote gender equity and raise awareness of social responsibilities, M. S. Ramaiah Institute of Technology (MSRIT) has initiated a variety of impactful events over the years. These activities aim to encourage women's participation within the engineering field and extend outreach efforts to empower local communities.

The annual IEEE Women in Engineering Fest, held every March, this

multi-day festival is dedicated to inspiring women's continued engagement in engineering disciplines. It features a wide array of technical and non-technical activities, many of which are specifically designed for women, fostering interest and inclusivity in engineering. MSRIT promotes collaboration among all students, regardless of gender, ensuring that both male and female students are encouraged to participate and contribute to the success of these initiatives.

In addition to academic events, MSRIT's commitment to gender equity is reflected in its vibrant sports culture. The institute hosts various competitions for female students such as the State Level Inter Colleges Tournament as well as events in chess, badminton, and more, allowing both male and female athletes to compete at high levels against the best teams in the state. Continuing its dedication to this mission, MSRIT is committed to actively promoting gender equity and enhancing social responsibility through its programs and initiatives. By fostering an inclusive environment and empowering all students, the institution reinforces its role in supporting societal progress and development for the future.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpdjI6InRlVUoxOVdTRG85OG9ZVnljOXk4N3c9PSIsInZhbHVlIjojY0VSa2hvdTR3cWtiS09UNnpIeVdzSExHVm03VGwyUTlBSGZSVjhtZFhtUzdGTmpNeEtCeGtRMWRUbzlkOG42ZCIsm1hYyI6ImNjNzJiMjYyNzQ0NGJjNjg2OTkwMDI5YTk0MGQ4YWJjZTYwYmI2ZTQ3YzMyMTY5NmViZjZjZjZTViZWNhM2Y0ZDMiLCJ0YWciOiIifQ==">https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpdjI6InRlVUoxOVdTRG85OG9ZVnljOXk4N3c9PSIsInZhbHVlIjojY0VSa2hvdTR3cWtiS09UNnpIeVdzSExHVm03VGwyUTlBSGZSVjhtZFhtUzdGTmpNeEtCeGtRMWRUbzlkOG42ZCIsm1hYyI6ImNjNzJiMjYyNzQ0NGJjNjg2OTkwMDI5YTk0MGQ4YWJjZTYwYmI2ZTQ3YzMyMTY5NmViZjZjZjZTViZWNhM2Y0ZDMiLCJ0YWciOiIifQ==</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy      Biogas plant  
Wheeling to the Grid   Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment**

**A. Any 4 or All of the above**

File Description	Documents
Geotagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>



**7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)**

M. S. Ramaiah Institute of Technology (MSRIT) has established a robust solid waste management system to effectively handle both degradable and non-degradable waste. The institution has implemented a clear procedure, providing separate bins on every floor and in all blocks for the collection of segregated dry waste, wet waste, and e-waste. The majority of dry waste and e-waste is generated within the institution, while significant amounts of wet waste originate from hostels and canteens. The collected dry waste is carefully sorted into recyclable materials, such as plastic and paper, which are sent for recycling to minimize environmental impact. Additionally, construction and demolition waste from the campus is processed and repurposed as recycled aggregate by the Civil Engineering Department, substituting natural aggregates in concrete production.

In terms of liquid waste management, the effluent generated from various laboratories, restrooms, and other sources undergoes treatment in an effluent treatment plant. The treated water is reused for toilet flushing and gardening purposes, thereby promoting sustainability and resource efficiency on campus.

For e-waste management, MSRIT collects and securely stores all electronic waste in compliance with pollution control directives. This waste is then properly handled and transferred to Premier Comprint, a certified e-waste management company, ensuring responsible disposal and recycling. Through these comprehensive waste management strategies, MSRIT demonstrates its commitment to environmental sustainability, resource conservation, and adherence to best practices in waste management. By fostering awareness and implementing effective systems, the institution actively contributes to a cleaner and healthier campus environment.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View File</a>
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore**

**A. Any 4 or all of the above**



<b>well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus</b>	
File Description	Documents
Geotagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>
<b>7.1.5 - Green campus initiatives include</b>	
<b>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</b> <ol style="list-style-type: none"> <li>1.Restricted entry of automobiles</li> <li>2.Use of bicycles/ Battery-powered vehicles</li> <li>3.Pedestrian-friendly pathways</li> <li>4.Ban on use of plastic</li> <li>5.Landscaping</li> </ol>	<b>A. Any 4 or All of the above</b>
File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>
<b>7.1.6 - Quality audits on environment and energy undertaken by the institution</b>	
<b>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</b> <ol style="list-style-type: none"> <li>1. Green audit</li> <li>2. Energy audit</li> <li>3.Environment audit</li> <li>4.Clean and green campus recognitions/awards</li> <li>5.Beyond the campus environmental promotional activities</li> </ol>	<b>C. Any 2 of the above</b>

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.**

**A. Any 4 or all of the above**

File Description	Documents
Geotagged photographs / videos of facilities	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	<a href="#">View File</a>
Details of the software procured for providing assistance	<b>No File Uploaded</b>
Any other relevant information	<a href="#">View File</a>

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

**M. S. Ramaiah Institute of Technology (MSRIT) is deeply committed to fostering an inclusive environment that promotes tolerance and harmony among diverse cultural, regional, linguistic, communal, and socio-economic groups. The institution recognizes the importance of diversity in enriching the educational experience and actively engages in several initiatives to celebrate and embrace this diversity. One of the key strategies employed by MSRIT is the**

celebration of various national and international days, events, and festivals throughout the academic year. By organizing activities that highlight the significance of cultural heritage, the institution encourages students and staff to appreciate and respect different traditions and values. Events such as Republic Day, Independence Day, International Women's Day, Teachers Day, Engineers Day and various cultural festivals are prominently celebrated, creating opportunities for students from different backgrounds to come together, share experiences, and learn from one another.

Additionally, the institution hosts workshops, seminars, and cultural programs that focus on promoting awareness and understanding of various socio-economic and communal issues. These platforms provide a venue for open dialogue, allowing participants to engage in constructive discussions that foster mutual respect and empathy. By incorporating these efforts into its academic and social fabric, MSRIT cultivates a sense of belonging among its students and staff. The institution's commitment to inclusivity not only enriches the campus community but also prepares students to thrive in a diverse global environment.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>

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

M. S. Ramaiah Institute of Technology (MSRIT) is committed to sensitizing its students and employees about their constitutional obligations, focusing on the values, rights, duties, and responsibilities of citizenship. This initiative empowers individuals to conduct themselves as responsible citizens who contribute positively to society. The institution aims to equip students with the knowledge, skills, and values essential for maintaining a balance between a successful livelihood and a fulfilling life, thereby providing a supportive, safe, accessible, and affordable learning environment.

To inspire students, MSRIT organizes various programs that promote awareness of cultural traditions, civic values, and

responsibilities. Notable figures from diverse backgrounds are often invited to share their insights, enhancing the educational experience and encouraging a sense of duty among students. The institute has also conducted awareness campaigns addressing important social issues, such as the ban on plastics and the Swachh Bharat initiative, engaging students in meaningful community actions. A key highlight of the academic year is the Vigilance Awareness Week themed 'Integrity - A Way of Life,' which aims to heighten awareness regarding sanitation, living standards, and self-awareness. Additionally, the dedicated NSS (National Service Scheme) unit at MSRIT plays a crucial role in encouraging student involvement in community service, organizing activities that benefit society. Blood donation camps, guest lectures, and workshops featuring eminent personalities are arranged to discuss ethics, values, civic duties, and environmental sustainability.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization 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 Annual awareness programmes on the Code of Conduct are organized**

**A. All of the above**

File Description	Documents
Code of Ethics - policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

At M. S. Ramaiah Institute of Technology (MSRIT), national festivals and the birth and death anniversaries of revered Indian personalities are celebrated with great enthusiasm each year. These events serve not only as occasions for commemoration but also as opportunities to educate students about the invaluable contributions these figures made to the nation's progress and development.

Among the major events that MSRIT regularly celebrates are Republic Day and Independence Day, which reinforce the values of democracy, freedom, and patriotism among students. On Gandhi Jayanti, the institute honors the principles of non-violence and truth advocated by Mahatma Gandhi, inspiring students to incorporate these values into their lives. International Yoga Day is observed, promoting well-being and mindfulness, reflecting the institute's commitment to holistic development.

In addition to these key celebrations, MSRIT observes Teachers' Day to show appreciation for educators and their pivotal role in shaping the future. Engineers' Day recognizes the contributions of engineers to society, encouraging students to aspire toward innovation and excellence in their respective fields. The observance of Rashtriya Ekta Diwas fosters unity among students, while the celebration of Ambedkar Jayanti, Kanakadasa Jayanti, and Valmiki Jayanti honors the legacies of influential leaders and thinkers in Indian history. MSRIT not only nurtures a sense of national pride among its students but also instills a deeper understanding of their social responsibilities and heritage, contributing to the development of conscientious and engaged citizens.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

M. S. Ramaiah Institute of Technology (MSRIT) is dedicated to fostering innovation and entrepreneurship among its students through its Project Grant initiative. Recognizing the potential of undergraduate and postgraduate students to contribute to technological advancement, MSRIT offers project grants of up to Rs. 50,000 for students. This support empowers students to transform their innovative project ideas into tangible outcomes, including patents and product development.

During the academic year 2023-24, the institution has identified and funded around 55 projects from both undergraduate and postgraduate students, highlighting its commitment to enhancing research and development capabilities. This financial support not only helps students conduct in-depth research but also encourages them to explore commercial viability. The impact of the Project Grant initiative has been significant; 35 of the funded projects have successfully filed for patents, underscoring the quality and originality of the students' ideas. Furthermore, 5 projects are currently in the exploratory phase, with the potential to evolve into startups. This initiative nurtures an entrepreneurial spirit, equipping students with the skills and resources necessary to launch their own ventures.

By providing financial assistance and guidance throughout the project lifecycle, MSRIT enables students to bridge the gap between academic knowledge and real-world application. This hands-on experience fosters creativity and innovation, positioning students to make meaningful contributions to society while encouraging a culture of entrepreneurship within the institution. Through these initiatives, MSRIT is cultivating a new generation of innovators and leaders poised to drive future advancements.

File Description	Documents
Best practices in the Institutional website	<a href="https://s3.amazonaws.com/naac.msrit.edu/new_downloads/Best+Practices.pdf">https://s3.amazonaws.com/naac.msrit.edu/new_downloads/Best+Practices.pdf</a>
Any other relevant information	<a href="https://msrit-bucket.s3-us-west-2.amazonaws.com/Uploads/ResearchPolicy.pdf">https://msrit-bucket.s3-us-west-2.amazonaws.com/Uploads/ResearchPolicy.pdf</a>

### 7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

M. S. Ramaiah Institute of Technology distinguishes itself through its dedicated focus on the program of Diversity, Inclusion, and Integration, which aligns seamlessly with the institution's overarching vision of becoming an institute of international eminence. This commitment is reflected in its mission to impart quality technical education, foster cutting-edge research, and drive innovation to meet global socio-economic needs. MSRIT places significant emphasis on outcome-based education and project-based learning, ensuring students are equipped with practical skills relevant to their professional pursuits. The institution also offers skill-based training programs designed to enhance the capabilities of its students. To reinforce its commitment to research and innovation, MSRIT has established numerous research centers in collaboration with leading global institutions. This strategic initiative not only promotes cutting-edge research but also facilitates international partnerships between academia and industry, enhancing the educational experience and contributing to knowledge transfer.

In addition to academic excellence, MSRIT prioritizes societal impact through various community engagement initiatives. The institute actively participates in societal activities, such as organizing blood donation camps and providing computer training to students from government schools. By distributing study materials and creating awareness about hygiene, safe drinking water, and overall safety, MSRIT demonstrates its dedication to uplifting the local community and addressing pressing societal issues. Furthermore, the institution adopts best practices in sustainability, including the use of renewable energy resources, wastewater management, and solid waste disposal, showcasing its commitment to environmental responsibility.

File Description	Documents
Appropriate link in the institutional website	<a href="https://msrit.edu/department/int-411.html;https://msrit.edu/research/coe.html">https://msrit.edu/department/int-411.html;https://msrit.edu/research/coe.html</a>
Any other relevant information	<a href="#">View File</a>

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

M. S. Ramaiah Institute of Technology (MSRIT) has outlined key objectives for the upcoming academic year, emphasizing the institution's commitment to continuous improvement and excellence. The following initiatives will be prioritized:



**Enhanced Research and Development:** The institution aims to increase faculty publications and actively encourage students to engage in Quality research, thereby promoting a vibrant research culture.

**Student-Centric Development Activities:** MSRIT plans to conduct academic and skills development activities that cater specifically to the needs of its students, enhancing their learning experiences.

**Strengthening Industry-Academic Interface:** Efforts will be made to foster greater collaboration between industry and academia, encouraging corporate participation in academic initiatives. The institution seeks to create synergistic partnerships that enhance student development through combined efforts of industry, alumni, and academic initiatives.

**Development Programs for Faculty and Students:** A variety of development programs will be organized to support professional growth for both faculty and students.

**Improvement in NIRF Rankings:** The institution aims to enhance its National Institutional Ranking Framework (NIRF) ranking through targeted initiatives and quality improvement.

**Environmental Awareness:** Initiatives will be introduced to raise awareness and implement measures for environmental protection and sustainability.

**To Conduct International Conferences in the area of Material science in collaboration with King Mongkuts University, North Bangkok. Planned Two International Conference in 2023-24**

**Launch of New PG Courses:** Plans are underway to introduce new postgraduate courses, including M.Tech in Artificial Intelligence and Advanced Architecture

**MSRIT is poised to enhance its educational offerings and strengthen its position as a leading institution.**