



YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution		Rajagiri School of Engineering & Technology (AUTONOMOUS)
• Name of the Head of the institution		Dr. P.S. Sreejith
• Designation		Principal
• Does the institution function from its own campus?		Yes
• Phone No. of the Principal		9447812820
• Alternate phone No.		04842660999
• Mobile No. (Principal)		9447812820
• Registered e-mail ID (Principal)		office@rajagiritech.edu.in
• Address		Rajagiri School of Engineering & Technology, Rajagiri Valley, Kakkanad, Kochi 682039, Kerala, India
• City/Town		Ernakulam
• State/UT		Kerala
• Pin Code		682039
2.Institutional status		
• Autonomous Status (Provide the date of conferment of Autonomy)		18/09/2020
• Type of Institution		Co-education

• Location	Urban				
• Financial Status	Self-financing				
• Name of the IQAC Co-ordinator/Director	Dr. Manoj G Tharian				
• Phone No.	9447704578				
• Mobile No:	9447704578				
• IQAC e-mail ID	iqac.rset@rajagiritech.edu.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.rajagiritech.ac.in/Home/naac/AQAR%202021-2022.pdf				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.rajagiritech.ac.in/Home/Exam/pdf/Academic%20Calendar_AY%202022-23_modified%20.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 2	A	3.03	2017	22/02/2017	31/12/2025
Cycle 1	B	2.79	2009	31/12/2009	30/12/2014
6.Date of Establishment of IQAC			07/10/2008		
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.)?					

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Mr. Binu A	Project Funding	KMRL	01/07/2022	1000000
Dr. Simi Zerine Sreeba, Dr. Jobin K. Antony	Chip to Start Up Programme	Ministry of Electronics and Information Technology, Govt. of India	22/05/2023	8600000
Department of information Technology	Fund for Improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST) programme	Department of Science and Technology, Ministry of Science & Technology, Govt. of India	22/12/2023	4000000

8. Provide details regarding the composition of the IQAC:

<ul style="list-style-type: none"> Upload the latest notification regarding the composition of the IQAC by the HEI 	No File Uploaded	
9.No. of IQAC meetings held during the year	10	
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
10. Did IQAC receive funding from any funding agency to support its activities during the year?	No	

<ul style="list-style-type: none"> • If yes, mention the amount 	
11. Significant contributions made by IQAC during the current year (maximum five bullets)	
The college is constantly trying to improve the mentoring system for the students.	
Continuous focus on improving teaching-learning infrastructure and ICT equipment and their maintenance for quality enhancement.	
Conducted internal audits and evaluations to assess the effectiveness of academic programs and support services.	
The introduction of an activity hour every Friday to enhance leadership skills and universal values.	
Preparing and submitting reports to external quality assurance bodies, such as accreditation agencies.	
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:	
Plan of Action	Achievements/Outcomes
<p>Conducting Audits -Academic Audits conducted - S2 ,S4, S6, S8</p>	<p>The audits aim to identify areas of improvement, ensure accountability, and promote continuous enhancement of academic standards. Academic Audits were conducted for all four semesters in all branches for the same.</p>
<p>Scheduling Academic Activities Academic Calendar - S1, S3, S5, S7 B.Tech.</p>	<p>Developed an academic calendar that outlines the start and end dates of each academic activity. This calendar serves as a reference point for scheduling other activities like exams, open house, course file audits etc.</p>
<p>Revising and Publishing Activity Calendar for Course</p>	<p>Revising and publishing the activity calendar involves reviewing and adjusting the schedule of academic activities, such as classes, exams, and events, and making it available to students, faculty, and other</p>

	<p>stakeholders to ensure effective planning and coordination. Version 2 of Course Activity Calendar listing academic activities related to the course for an entire semester was published</p>
<p>Event Audit on RSET Flagship events</p>	<p>Event audit on RSET flagship events involve conducting a comprehensive assessment of the organization, planning, execution, and outcomes of the flagship events hosted by RSET to evaluate their effectiveness, impact, and adherence to predetermined goals and objectives. Audited files of Samavarathanam, RIDHI , NSS, IEDC and Deeksharamabham.</p>
<p>Streamlining Academic Audit- Directory Structure for maintaining course files in Sharepoint</p>	<p>Streamlining academic audit involves establishing clear objectives, forming an independent committee, and developing a comprehensive audit plan with defined timelines and key performance indicators. This process ensures a thorough evaluation of the institution, promoting transparency, accountability, and continuous improvement in academic quality. To streamline academic audits and maintain course files in SharePoint, it is beneficial to establish an organized audit directory structure. This structure can include a root folder for academic audits, subfolders for each academic year, further subfolders for programs or departments, and additional subfolders for individual courses. Within these folders, files related to the</p>

	<p>audit can be organized, such as syllabi, curriculum mapping documents, assessment records, course materials and student feedback reports. Implementing such a directory structure facilitates easy navigation and retrieval of course files, enhancing efficiency during the academic audit process. Department wise directory structure was designed to maintain course files in the soft copy form.</p>
<p>CO-PO Sheets Automation Process</p>	<p>The CO-PO sheets automation process involves using technology and software tools to streamline the collection, analysis, and reporting of data related to Course Outcomes (CO) and Program Outcomes (PO) in an educational institution. This automated approach simplifies the tracking and assessment of student learning outcomes, enabling efficient monitoring of curriculum effectiveness and continuous improvement efforts. CO-PO Sheets Automation Process is In Progress.</p>
<p>Faculty Experience Details Calculation</p>	<p>The faculty experience details calculation involves assessing and summing up the combined years of teaching, research, industry experience, and relevant qualifications of faculty members in an educational institution to determine their overall expertise and seniority within the academic field. This calculation helps in evaluating the faculty's capabilities and ensuring the appropriate</p>

	allocation of responsibilities and roles. Faculty Experience Details were Calculated.
Score Calculation for Faculty Recruitment	The faculty recruitment score calculation process involves evaluating and assigning scores to candidates based on criteria such as qualifications, teaching experience and research publications to determine their suitability for a faculty position in an academic institution. Faculty Recruitment Mark Calculation Process were completed.
Guidelines and Scheme for Workload & Course Allocation to the Timetable Committee	The guidelines and scheme for workload and course allocation to the timetable committee enables to create an effective and balanced timetable for the academic institution. Guidelines and Scheme for Workload & Course Allocation to the Timetable Committee were prepared.
Guidelines for Conducting RSET Events and Checklist form	The guidelines for conducting RSET events and checklist form outline the necessary procedures, requirements, and considerations to ensure the smooth and organized execution of events hosted by RSET, providing a structured approach for event planning, coordination, and evaluation. The checklist form serves as a practical tool to verify the completion of essential tasks and components throughout the event management process. Guidelines were submitted.
Academic Handbook - KTU	The handbook of KTU (Kerala Technological University) provides comprehensive

	<p>information about the college policies, rules, regulations, academic programs, curriculum, examination procedures, and other essential guidelines, serving as a valuable resource for students, faculty, and staff members. Handbook - KTU was prepared.</p>
<p>IQAC Core Committee Meeting Conducted</p>	<p>The IQAC core committee meeting was conducted to discuss and address matters related to quality enhancement, review progress towards achieving institutional goals, and devise strategies for continuous improvement in accordance with the quality assurance framework of the educational institution. These meetings play a vital role in ensuring ongoing evaluation and enhancement of the institution's academic and administrative practices. IQAC Core Committee Meeting Conducted.</p>
<p>IQAC Newsletter 2022-23</p>	<p>The IQAC newsletter serves as a periodic publication that provides updates, insights, and highlights on the activities, initiatives, and achievements of the Internal Quality Assurance Cell, showcasing the institution's commitment to quality assurance and continuous improvement in various aspects of education and administration. It serves as a platform for disseminating information, promoting transparency, and fostering a culture of quality within the institution. IQAC Newsletter 2022-23 were published</p>

<p>IQAC Report 2022-23</p>	<p>The IQAC report is a comprehensive document prepared by the Internal Quality Assurance Cell, which assesses and evaluates the institution's performance, progress, and quality enhancement efforts. It includes an analysis of key areas such as teaching and learning, research and publications, infrastructure, governance, student support services, and stakeholder feedback, providing recommendations and action plans for further improvement. IQAC Report 2022-23 were prepared.</p>
<p>Administrative Supporting Bodies- Clubs/Cells/Committee were constituted</p>	<p>The list of clubs/cells/committees were prepared to offer opportunities for students to engage in extracurricular activities, pursue their interests, and contribute to the vibrant campus community.</p>
<p>Mandatory Cells/Committee list for KTU and AICTE</p>	<p>The mandatory cells/committees list for KTU (Kerala Technological University) and AICTE (All India Council for Technical Education) consists of essential committees, such as Anti-Ragging Committee, Grievance Redressal Cell, Women Empowerment Cell, and Internal Complaints Committee, which are mandated to ensure compliance with regulations, address student grievances, promote inclusivity, and maintain a safe and conducive environment in the educational institutions under their purview.</p> <p>MandatoryCells/Committee list for KTU and AICTE were prepared</p>

	and published.
Mark band of Students 2019-2023 batch	The academic performance of the final year S7 students (2019-23 batch) has been categorized into various bands in the order of their marks. It is also supported with the current backlog status of students upto semester five. This data can be utilized by the departments for improving the results by effectively planning the remedial/mentoring activities. Academic cells like Placements ,Career guidance etc. may also utilize this data for organizing their activities during this academic year.
Department wise presentation on annual AQAR submission and NAAC audit preparation	A Department wise presentation on NAAC criteria was conducted by the NAAC Coordinator in association with the IQAC team to facilitate the preparation of assessment and evaluation process for institutional accreditation. The presentation also includes the importance of timely submission of data and proof towards filing AQAR every year.
NAAC-Data Collection, Categorization, Consolidation, Proof Collection, for AQAR 2022-23	For the NAAC-AQAR (Annual Quality Assurance Report), the data collection process involves gathering relevant information from different sources within the institution, including academic programs, faculty, infrastructure, student support services, research activities, and extracurricular initiatives. The collected data is then categorized, organized, and consolidated according to the specified AQAR format.

	<p>Additionally, the process requires the collection and submission of supporting evidence and proof to substantiate the reported data, ensuring transparency and accountability in the quality assurance reporting. Data Collection, Categorization, Consolidation and Proof Collection, for AQAR 2022-23, has been completed</p>
<p>NIRF initial analysis and Presentation by Nodal Officer</p>	<p>The NIRF initial analysis and presentation by the Nodal Officer involves a comprehensive review and assessment of the institution's performance and rankings in various parameters and disciplines as per the National Institutional Ranking Framework (NIRF), followed by a presentation to stakeholders highlighting strengths, weaknesses, and strategies for further improvement was conducted.</p>
<p>Semester Plan -S1, S3, S5, S7 B.Tech</p>	<p>The semester plan for B.Tech programs in S1, S3, S5, and S7 were prepared which outlines the curriculum, courses, timetable, and assessment schedule for each semester, providing a structured framework to ensure proper progression of subjects, coverage of key topics, and effective delivery of the academic program, facilitating a well-organized and efficient learning experience for students.</p>
<p>Survey :GHRDC Survey Completed</p>	<p>The GHRDC Survey, conducted by the Global Human Resource Development Centre, is a comprehensive assessment and</p>

	<p>ranking exercise that evaluates educational institutions based on various parameters such as infrastructure, faculty quality, research output, placements, and industry engagement, providing valuable insights and recognition to institutions in the field of higher education. GHRDC Survey was submitted</p>
<p>Survey: Data Quest Survey Completed</p>	<p>The Data Quest Survey is a renowned annual survey conducted by Data Quest magazine that assesses and ranks IT and technology institutions in India, providing insights into their performance, industry collaborations, research contributions, and overall impact in the field of information technology education and innovation. Data Quest Survey was submitted.</p>
<p>Themes identified for conducting Events in RSET</p>	<p>Themes were identified for conducting events in RSET (Rajagiri School of Engineering and Technology) which serves as a focal points or topics around which various activities, workshops, seminars, or competitions are organized, aiming to create engaging and enriching experiences for participants and promote knowledge sharing and skill development in specific areas of interest or importance.</p>
<p>Time Table for IQAC</p>	<p>The time table for IQAC (Internal Quality Assurance Cell) outlines the schedule and allocation of activities, meetings, reviews, and assessments conducted by the IQAC team within the</p>

	<p>institution, ensuring systematic and timely execution of quality assurance initiatives and continuous improvement efforts. Weekly Work Plan for IQAC has been prepared.</p>
Data submitted for Dataquest Top Technical School Survey 2023	<p>The data submitted for the Dataquest Top Technical School Survey encompasses relevant information, statistics, and performance indicators related to an educational institution's technical programs, faculty, infrastructure, placements, research output, and industry collaborations. This data submission is crucial for participating in the survey and being considered for rankings and recognition in the field of technical education.</p>
IQAC Guidelines for workload allocation (2022-23)	<p>The IQAC (Internal Quality Assurance Cell) guidelines for workload allocation 2021-2022 provide a framework and set of principles for distributing workload responsibilities among faculty members within an educational institution. These guidelines typically consider factors such as teaching load, research and publication activities, administrative duties, mentoring, responsibilities, and professional development, aiming to ensure a fair and equitable distribution of workload while promoting academic excellence and maintaining a conducive learning environment.</p>
Reconstitution of student Internship committee	<p>The reconstitution of the student internship committee involves the process of forming</p>

	<p>or restructuring the committee responsible for overseeing and managing student internships within an educational institution. This reconstitution typically involves selecting or appointing new committee members, defining their roles and responsibilities, and establishing protocols and procedures for the effective coordination, monitoring, and evaluation of student internships, aiming to enhance the quality, relevance, and success of the internship programme.</p>
<p>Website Updation - IQAC in association with the website committee</p>	<p>The website update by IQAC in association with the website committee of the college is an initiative aimed at making necessary updates and improvements to the RSET website, aligning it with the requirements and standards set by the NBA (National Board of Accreditation) team for accreditation purposes. This effort ensures that the website accurately reflects the institution's achievements, programmes, facilities, and other relevant information, providing a comprehensive and upto-date online presence for stakeholders and evaluators.</p>
<p>Survey : ATAL Ranking of Institutions - ARIIA 2023</p>	<p>The ATAL Ranking of Institutions on Innovation Achievements (ARIIA) 2023 survey is a national-level assessment conducted to recognize and rank higher education institutions in India based on their innovation and entrepreneurship-</p>

	<p>related initiatives. The survey evaluates institutions on various parameters such as innovation and start-up support, funding, intellectual property, industry collaboration, and social impact, with the aim of promoting a culture of innovation and entrepreneurship within the education system.</p>
<p>RSET News 2022 - Newsletter of RSET</p>	<p>RSET News 2022 is the official newsletter of Rajagiri School of Engineering and Technology (RSET) that captures and highlights the significant achievements, events, and updates from the academic year, serving as a comprehensive source of information and communication for the RSET community. It provides a platform to showcase the accomplishments of students, faculty, and staff, as well as the latest developments and initiatives undertaken by the institution.</p>
<p>RSET Annual Report 2022</p>	<p>The RSET Annual Report 2022 provides a complete overview of the achievements, initiatives, and progress made by Rajagiri School of Engineering and Technology (RSET) throughout the year. It showcases the academic, research, and extracurricular activities, highlights the accomplishments of students and faculty, and presents key statistics and data related to admissions, placements, and infrastructure, providing stakeholders with valuable insights into the institution's growth and development.</p>

<p>NBA Criteria 9 and 10 documents consolidation and file management</p>	<p>In preparation for the NBA accreditation, the consolidation and file management process for Criteria 9 and 10 involves organizing and compiling essential documents for all departments. This includes preparing student lists with and without quota details, as well as faculty lists, ensuring accurate and comprehensive information is available for assessment by the NBA Expert Team. The consolidation and meticulous management of these documents contribute to the smooth evaluation process and demonstrate the institution's commitment to fulfilling the NBA accreditation requirements.</p>
<p>Feedback - survey forms created for 1. Student Satisfaction Survey 2. Student Feedback on Facilities</p>	<p>New survey forms have been created for conducting the Student Satisfaction Survey and gathering feedback from students regarding the facilities provided by the institution. These forms aim to collect valuable insights and opinions from students, enabling the institution to identify areas of improvement and enhance the overall satisfaction and experience of students.</p>
<p>Guidelines for the conduct of class and course committee</p>	<p>The guidelines for the conduct of class and course committees provide a framework for effective coordination and communication among faculty and students, fostering a collaborative environment for curriculum planning, course management, and addressing academic concerns. These guidelines ensure the smooth</p>

	functioning of class and course committees, promoting active student engagement and faculty involvement in enhancing the teaching-learning process.
Action to be taken report related to the internal audit conducted by IQAC in June 2023	The Action to be Taken report, based on the findings of the internal audit conducted by IQAC in June 2023, highlights the necessary steps and measures to be implemented to address the identified areas of improvement and ensure compliance with quality standards. This report serves as a valuable guide for implementing corrective actions and enhancing overall institutional effectiveness and quality assurance.
Autonomy Report - Progress Report for the Academic Year : 2022-23 sent to UGC.	Autonomy Report - Progress Report for the Academic Year : 2022-23 sent to UGC.
Class Representatives Feedback Form	The Class Representatives Feedback Form is a tool designed to gather valuable feedback from class representatives regarding various aspects of their academic experience, including teaching methodologies, course content, and overall classroom environment. The feedback received through this form helps in assessing the effectiveness of teaching practices and making necessary improvements to enhance the learning experience for all students.
IQAC Audit Manual 2023	The IQAC Audit Manual 2023 serves as a comprehensive guide for conducting internal audits within an institution. It outlines the procedures, criteria, and guidelines to

	ensure effective quality assurance and continuous improvement in various aspects of the institution's functioning.				
Survey Submitted - All Kerala Higher Education Survey (AKHES)	RSET successfully participated in the All Kerala Higher Education Survey (AKHES) and submitted the required data. The survey aimed to gather comprehensive information about higher education institutions in Kerala and assess their performance in various areas. RSET's participation in the survey reflects commitment to quality education and continuous improvement in line with the higher education landscape in Kerala.				
13. Was the AQAR placed before the statutory body?	No				
<ul style="list-style-type: none"> Name of the statutory body 					
<table border="1"> <thead> <tr> <th>Name of the statutory body</th> <th>Date of meeting(s)</th> </tr> </thead> <tbody> <tr> <td>Nil</td> <td>Nil</td> </tr> </tbody> </table>		Name of the statutory body	Date of meeting(s)	Nil	Nil
Name of the statutory body	Date of meeting(s)				
Nil	Nil				
14. Was the institutional data submitted to AISHE ?	Yes				
<ul style="list-style-type: none"> Year 					
<table border="1"> <thead> <tr> <th>Year</th> <th>Date of Submission</th> </tr> </thead> <tbody> <tr> <td>2021-2022</td> <td>10/05/2023</td> </tr> </tbody> </table>		Year	Date of Submission	2021-2022	10/05/2023
Year	Date of Submission				
2021-2022	10/05/2023				
15. Multidisciplinary / interdisciplinary					
Multidisciplinary and interdisciplinary approaches involve collaboration across disciplines, interdisciplinary approaches place					

a stronger emphasis on integration and synthesis of knowledge. A multidisciplinary approach involves individuals or teams from different disciplines working together on a common problem or project. Each participant contributes their expertise from their respective field, but the collaboration may not necessarily involve significant integration or synthesis of knowledge between disciplines. In this approach, each discipline operates independently, and their contributions are combined at the end, often without a deep interaction or blending of ideas. Towards multidisciplinary activities, departments conduct courses as minor baskets for the students of other departments. Open electives are also conducted by different departments for students. Funded projects and consultancy activities across disciplines have been in practice regularly. Certificate programs are conducted for students across the departments. An interdisciplinary approach, on the other hand, goes beyond simple collaboration by actively integrating and synthesizing knowledge from different disciplines to address complex problems or questions. In this approach, researchers or experts from various fields come together to create a more comprehensive understanding of the issue at hand. The emphasis lies in finding connections, shared concepts, and common theories across disciplines to create a more unified and holistic perspective. In summary, both multidisciplinary and interdisciplinary approaches involve collaboration across disciplines. However, interdisciplinary approaches place a stronger emphasis on integrating and synthesizing knowledge to create a more cohesive and comprehensive understanding of the subject matter. This deeper integration allows for a richer and more nuanced exploration of complex problems that cannot be adequately addressed within the boundaries of a single discipline. Towards interdisciplinary activities, departments collaborate with faculty and students of other departments for student projects. Faculty development programmes (FDP) are also conducted befitting interdisciplinary and multidisciplinary departments.

16.Academic bank of credits (ABC):

The Academic Bank of Credits promotes the idea of lifelong learning and recognizes that learning can occur in various contexts beyond traditional classroom settings. It provides a mechanism for students to accumulate, store, and utilize their earned credits, facilitating their educational progression and reducing barriers to mobility between institutions or educational systems. RSET's participation in NAD - ABC Initiative National Academic Depository (NAD) is an initiative by MHRD to provide a 24X7 online depository to Academic institutions to store and publish academic awards. This digital depository not only ensures easy access to and retrieval of an

academic award but also validates and guarantees its authenticity and safe storage. Academic Bank of Credits(ABC) has been established on the lines of the National Academic Depository (NAD), which enables students to register or commence credit transfer. The outcomes of credit redemption and issuance of certificates, as well as the compilation of award records, are administered by academic institutions via the NAD Platform. Students can access and transfer their awards easily. It also avoids the risk of forged certificates. Hence being the owner of academic awards, Academic Institutions must mandatorily register themselves under ABC via NAD. RSET also participated in this initiative and deputed Dr. Sminu Izudheen as Nodal Officer who will be the Account Owner and point of contact for matters related to DigiLocker-NAD. The nodal officer created an Institution Account for RSET (NAD ID: NAD044473) using the DigiLocker authentication service. RSET team comprising of Dr. Sminu Izudheen (Nodal Officer), Ms. Liza Annie Joseph (IQAC Coordinator), and Dr. Ragin Ramdas (IQAC Joint Secretary) participated in an online interactive session where NAD-DigiLocker & ABC Team delivered a general awareness about the program and further procedures to be followed. An official meeting was conducted at the Principal's office to update the status. Principal Dr. P.S. Sreejith, Dr. Vinod Kumar P.B. (Controller of Examinations), Fr. Mejo Paul CMI (Deputy Controller of Examination), Dr. Sreekumar G. (Deputy Controller of Examination) , Mr. Jobin Jose, Mr. Krishna Das, Dr. Sminu Izudheen(Nodal Officer) and Ms. Liza Annie Joseph(IQAC Coordinator) were the attendees. Dr. Sminu Izudheen and Ms. Liza Annie Joseph updated the status. Dr. Sminu Izudheen has given a general awareness of the process and presented different templates available in the NAD portal for generating B.Tech. degree mark lists. The decision was taken on the mark list template RSET will be following for its B.Tech degree program.

17.Skill development:

Rajagiri School of Engineering and Technology has a strong focus on skill development and conducts various programs to enhance the practical skills and employability of its students. These skill development programs are designed to complement the academic curriculum and provide students with additional industry-relevant skills. The college offers a wide range of skill development programs in collaboration with industry partners, professional organizations, and training institutes. These programs cover various domains such as technical skills, soft skills, leadership development, entrepreneurship, and industry-specific training. Technical skill development programs include workshops, seminars, and hands-on training sessions conducted by experts from industry

and academia. Students have the opportunity to learn and practice skills in areas such as programming languages, software development, data analysis, robotics, and emerging technologies. The college also emphasizes the development of soft skills such as communication, teamwork, problem-solving, and critical thinking. Through interactive sessions, group activities, and personality development programs, students gain proficiency in effective communication, interpersonal skills, and professional etiquette.

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

The Indian knowledge system is rich and diverse, encompassing ancient wisdom, traditional practices, and indigenous knowledge. To ensure the preservation and dissemination of this knowledge, it is crucial to integrate it appropriately into the education system. One way to achieve this is by promoting the teaching of Indian languages in schools and universities. By offering courses and educational materials in Indian languages such as Hindi, Tamil, Bengali, or Telugu, students can connect with their cultural roots and gain a deeper understanding of Indian knowledge systems. Language is a powerful tool for cultural expression, and it plays a vital role in transmitting knowledge across generations. Integrating Indian languages into the curriculum allows students to access traditional texts, philosophical ideas, and scientific concepts in their original linguistic context. Moreover, integrating Indian culture into the education system fosters a sense of pride and identity among students. Cultural elements, including art, music, dance, and literature, can be incorporated into the teaching process, making it more engaging and meaningful. This approach helps students appreciate the diverse heritage of India and promotes cross-cultural understanding. Additionally, the use of online courses and technology can be instrumental in disseminating Indian knowledge on a broader scale. Online platforms provide opportunities for individuals across the country, irrespective of their geographic location, to access educational content related to Indian knowledge systems. This digital medium allows for flexible learning schedules and enables students to learn at their own pace.

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

Outcome-Based Education (OBE) emphasizes clearly defined learning outcomes and aligning teaching methods and assessments to achieve those outcomes. By shifting the focus from content coverage to measurable student achievements, OBE promotes a learner-centered approach that prepares students with the skills and knowledge necessary for practical application in the real world. Defined

Learning Outcomes: In an OBE framework, educators and curriculum developers identify the essential knowledge, skills, and attitudes that students should acquire. Syllabus revisions were encouraged to improve the learning outcomes. **Aligning Teaching Methods:** Once the learning outcomes are established, instructors align their teaching methods, strategies, and activities to help students achieve those outcomes. The focus is on selecting instructional approaches that are most likely to support students in mastering the identified competencies. This alignment ensures that teaching is purposeful and directed toward specific learning goals. **Assessment Alignment:** OBE involves aligning assessments with the identified learning outcomes. Assessment methods and tools are designed to evaluate whether students have achieved the intended competencies. **Student-Centered Approach:** Outcome-based education often takes a student-centered approach, tailoring the learning experience to individual learners' needs and allowing them to take an active role in their education. It emphasizes understanding students' strengths, weaknesses, and learning preferences to create a more effective and personalized learning environment. **Continuous Improvement:** OBE promotes a continuous improvement cycle in education. Through ongoing assessment and analysis of student performance, educators can identify areas for improvement in both teaching methods and learning outcomes. By placing emphasis on clearly defined learning outcomes and aligning teaching methods and assessments, Outcome-Based Education aims to make education more purposeful, transparent, and accountable. It helps ensure that students acquire the necessary knowledge and skills to meet the demands of their chosen fields and prepares them for real-world challenges.

20.Distance education/online education:

Distance education, also known as online education, is a mode of learning that enables students to pursue education remotely, often through virtual platforms and online resources. This flexible and accessible approach to education allows learners to study at their own pace and from any location with an internet connection. Through distance education, students can access a wide range of courses, degree programs, and educational resources, breaking down geographical barriers and providing opportunities for lifelong learning. The use of technology, multimedia tools, and interactive platforms facilitates engagement, collaboration, and personalized learning experiences. Moreover, distance education opens doors for individuals who may face constraints such as work, family responsibilities, or physical limitations, allowing them to pursue education and acquire new skills to enhance their personal and professional development.

Extended Profile

1.Programme	
1.1	14
Number of programmes offered during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
2.Student	
2.1	3437
Total number of students during the year:	
File Description	Documents
Institutional data in Prescribed format	View File
2.2	825
Number of outgoing / final year students during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
2.3	4279
Number of students who appeared for the examinations conducted by the institution during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1	625
Number of courses in all programmes during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	196
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	196
Number of sanctioned posts for the year:	
4.Institution	
4.1	447
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	72
Total number of Classrooms and Seminar halls	
4.3	949
Total number of computers on campus for academic purposes	
4.4	2500.3072
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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.

Rajagiri School of Engineering & Technology (RSET) - Autonomous, stands as a leading educational establishment offering high-quality engineering education and research opportunities. RSET is dedicated to equipping students in various engineering disciplines to address the demands at local, national, regional, and global levels. Embracing an Outcome-based Education approach, RSET focuses on achieving Programme Educational Objectives (PEOs) and Programme Outcomes (POs) tailored to its diverse course offerings. Program

Specific Outcomes (PSOs) are emphasized to enhance students' employability, entrepreneurial skills, and overall competency in their chosen fields of study. The institution's curriculum is finely attuned to the needs of the local and regional industries, benefiting from its strategic location near Kerala's industrial hub, Infopark, and the proposed Smart City. This proximity facilitates hands-on experience for students, exposing them to practical aspects of their profession. Moreover, the curriculum encompasses both fundamental and advanced courses, ensuring alignment with global requirements. Students engage in internships and research projects that bridge academia and industry, offering them valuable exposure on a global scale. Since 2020, RSET has operated autonomously, further enabling its commitment to academic excellence and innovation.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	Nil

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

9

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
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

315

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

1.2 - Academic Flexibility

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

135

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

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

14

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

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

The institution places great emphasis on upholding professional ethics, promoting gender equality, fostering human values, and

ensuring environmental sustainability, all of which are in line with its fundamental vision and mission. Professional ethics and sustainability are fundamental aspects integrated into the Specified Programme Outcomes for every academic program. Consequently, these principles are interwoven throughout the course objectives across all subjects. To cultivate ethical behavior, students actively participate in obligatory project work, where they are required to adhere to professional ethics throughout the stages of design, development, and report writing. Furthermore, the curriculum incorporates mandatory courses focused on Sustainability Engineering, underscoring the institution's dedication to sustainable practices. Beyond academic endeavors, various clubs organize outreach activities aimed at cultivating social responsibility and instilling human values in the student body. Through these collective efforts, the institution nurtures a comprehensive educational environment that empowers students to emerge as conscientious and ethical professionals, equipped to tackle global challenges.

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	View File
Any additional information	No File Uploaded

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

10

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	No File Uploaded
Any additional information	No File Uploaded

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

469

File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded

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

1479

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

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	https://drive.google.com/drive/folders/10RNkjQGJ1nlw0sO3oZKRn7qFrXZ159NE?usp=drive_link
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	No File Uploaded
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following **C. Feedback collected and analysed**

File Description	Documents
Provide URL for stakeholders' feedback report	https://www.rajagiritech.ac.in/Home/igac/index.asp?strPathOnly=DSR/ADMINISTRATION/FEEDBACK%20SYSTEM/2022-2023/
Any additional information	View File

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

930

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

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)

139

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

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

The student's learning levels are monitored through classroom interaction, and assessments are used to assess the learning levels of the students.

The departments schedule remedial classes for slow learners. Teachers provide one-to-one attention in remedial classes. The departments use monitoring and mentoring to keep track of slow learners' progress. Tutoring by peers, senior students, and mentors is offered. Faculty respond to students' queries personally, over the phone, email, and WhatsApp.

Advanced learners are encouraged to take up honors and MOOC courses. Meritorious students are awarded cash prizes for securing high grades. Placement Cell invites Companies for placement drive and students are encouraged to register for the interviews actively. Training and Placement Cell also provides training in interview

skills and communication skills.

Online resources are available to strengthen the knowledge base. Students are encouraged to participate in conferences and workshops. The library also ensures accessibility for the online material. The faculty facilitates students to publish articles in journals/conferences. The Institute provides an opportunity for top students from each branch to visit international universities, as part of student_exchange program.

Rajagiri has MOUs with various industries and professional societies that offer job-oriented courses for both learners. Students are permitted internships in reputed companies.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
12/12/2023	3352	199

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

Teaching-learning methods include the following:

Lecture method: This conventional method is commonly adopted by all teachers to interpret, explain, and revise the content for a better understanding of the subject by the learners.

Interactive method: The students participate in group discussions, subject quizzes, and seminars.

Experiential Learning:The department communicates the following experiential learning practices to improve the creativity and cognitive levels of the students -

- Laboratory Sessions.
- Project development by students where they platform their working model in the technical fest.
- Industrial Visits.

Participatory Learning:Students participate in different activities such as seminars, group discussions, wallpapers, and projects.

- An annual cultural program is organized every year to give an opening to their creativity.
- Regular Quizzes are organized at intra or inter-department levels.
- Seminar Presentation.

Problem-solving methods:The department encourages students to develop problem-solving skills.

- Assignments based on problems
- Mini Project
- Case studies discussions

The institute also provides innovative student-centric methods such as Hackathons, Workshops, Seminars, Virtual Labs, Simulation, activity-based learning, Flipped Classrooms, Guest lectures, Peer learning groups, MOOCs, Google Classroom, Project-based learning, Real-time studies, PPT, Journal Review, Proto-type model, projects, Viva, Poster presentation, Public Speaking for Participative, Problem-solving and Experiential-learning.

File Description	Documents
Upload any additional information	View File
Link for additional Information	Nil

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

Rajagiri follows ICT-enabled teaching in addition to traditional classroom education. All the classrooms and labs are ICT-enabled with projectors installed and the campus is enabled with high-speed WiFi connection.

The faculty uses various ICT-enabled tools to enhance the quality of teaching-learning like: .

The faculty members used Google Meet or Zoom to conduct tests and for lecture delivery.

Use of interactive methods for effective teaching such as PPT with animations, Video clippings, Use of online resources from NPTEL, Coursera, YouTube links, Simulation tools, Virtual labs, online assessment tools like Mentimeter - Quiz.com, and various Cloud portals, etc. . WhatsApp group used as platforms to communicate, make announcements, address queries, and share information. .

To teach problem-solving subjects in an online mode, faculty have used various online tools like- whiteboard in Microsoft Teams, Jamboard in Google Meet, etc. All the teaching materials and instructional material for conducting Experiments are uploaded by faculty members in Google Classroom.

The research journals and e-books are available in the online library to our faculty and students. . All the departments have created online materials that are broadcast on the Rajagiri YouTube channel.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	http://gyan.rajagiritech.ac.in/
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

138

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

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

The institution prepares the semester plan and academic calendar for every semester in advance. The coverage of the academic plan covers the list of examination dates, vacation dates, festivals, etc. The semester plan provides the total effective working days available in each semester. Then the timetable committee prepares the timetable by correlating the working days available and coverage of the curriculum of the subjects. Thus, the academic calendar monitors the effective delivery of the program with academic and business inputs. The concerned faculty members prepare course plans for their respective subjects. These hours are distributed among classroom teaching, case studies, workshops, and lab sessions as per the subject requirements. These plans are made in advance and serve as a guide for conducting sessions. HODs check the progress of each course and ensure the timely and effective completion of a course in the specified time frame with the perfect blend of practical and theoretical inputs.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

207

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	No File Uploaded
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

56

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	View File
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)

1905

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
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**

75

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
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

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
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

Rajagiri has an inhouse software known as REXA (Rajagiri Examination Automation).

IT Integration and Reforms: The Office of Controller of Examinations integrated IT in the management of the Examination System. Mark entry, Grade, Percentage, and Cumulative Grade Point Average (CGPA), preparation, and analysis of results are automated. The mark statement of every semester is accessible to restricted users, especially to the Heads of the Departments to assess the performance of students periodically and guide them properly. Challan for the payment of Examination fees and hall tickets are computer-generated. The payment of the Examination Fee is through online mode. The students can download their hall tickets.

This software is exclusively developed and used for conducting the examinations from the 2020 batch of students onwards (B.Tech and M.Tech). The examination-related tasks include question bank uploading, question paper generation, question paper scrutiny, final question paper generation, answer paper valuation, tabulation, and results. This software is linked with another software RSMS (Rajagiri Student Management System) for getting the student's details for course, exam registration, and internal marks. The software can be viewed by both faculty and students. The Controller of Examinations with two Deputy Controllers is given the master permissions for the total access.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.rajagiritech.ac.in/home/exam/Conduct_of_Examination.asp

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

As to the objectives of Outcome Based Education (OBE), the Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) are framed by the department offering the concerned program after rigorous consultation with all faculty and stakeholders. It is displayed on

1. Website
2. Curriculum /regulations books
3. Classrooms
4. Laboratories
5. Student Induction Programs
6. Parent meet
7. Faculty meetings
8. Alumni meetings
9. Professional Body meetings

While addressing the students, the HODs create awareness of POs, PSOs, and COs. The faculty members, class teachers, and mentors inform the students create awareness, and emphasize the need to attain the outcomes.

PSOs are the specific skill requirements and accomplishments to be fulfilled by the students at the end of the program.

POs incorporate many areas of inter-related knowledge, skills, and personality traits that are to be acquired by the students during their graduation.

COs are direct statements describing the essential and enduring disciplinary knowledge, abilities that students should possess, and the depth of learning expected from the course. The COs are prepared by the course coordinator in consultation with concerned faculty members teaching the same course.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	No File Uploaded
Upload any additional information	View File
Link for additional Information	Nil

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

Programme outcome (PO) / programme-specific outcome (PSO) assessment is done by giving 80% weightage to direct assessment and 20% weightage to indirect assessment. Direct assessment is based on Course Outcome (CO) attainment. Indirect assessment is done through a program exit survey. Direct Assessment Tools and Process: Direct assessment tools are used to directly assess POs and PSOs. Initially, the attainment of each course outcome is determined using internal as well as external (university exam) assessments. The attainment of each PO to a particular course is determined from the attainment values obtained for each course outcome related to that PO and the CO-PO mapping values.

Similarly values of PSO attainment are also determined. Indirect Assessment Tools and Process: Indirect assessment is done through a program exit survey. An exit survey is conducted for students who have graduated from the department for that year. The questionnaire consists of 15 relevant questions for assessing each PO and PSO. The first 12 questions correspond to the 12 POs and the remaining 3 questions are for PSOs. Each question has 5 options, namely, strongly agree, agree, disagree, and strongly disagree which is given marks 5, 4, 3, 2 and 1.

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

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

706

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

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

<https://www.rajagiritech.ac.in/Home/igac/index.asp?strPathOnly=DSR/ADMINISTRATION/FEEDBACK%20SYSTEM/2022-2023/>

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

RSET has several initiatives being pursued on the research front. Individual departments have Research Groups based on specific areas of study and the expertise of the faculty. Faculty members are encouraged to acquire state of art in their chosen area through need-based training programmes offered by competent institutions. This is passed on to the students through Projects currently relevant while fulfilling the curricular requirements. A Research Advisory Committee (RAC) is in place which offers timely guidance and support to faculty members in pursuance of their research as well as in formulating application-oriented research proposals for external funding. Broad policies to augment institutional research are drawn out by the RAC. The implementation part is looked after by the Research Promotion Committee (RPC) which provides first-hand support on a case by case basis. Young researchers have found the overall system encouraging and helpful in accomplishing their goals.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.rajagiritech.ac.in/Home/Research/ResearchSeed.asp
Any additional information	View File

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)

NIL

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	No File Uploaded
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	No File Uploaded
List of teachers receiving grant and details of grant received	No File Uploaded
Any additional information	No File Uploaded

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

0

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	No File Uploaded
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)

4209250

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

3.2.2 - Number of teachers having research projects during the year

7

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.rajagiritech.ac.in/Home/igac/index.asp?strPathOnly=DSR/RESEARCH/FUNDED%20PROJECTS/2022-2023/
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

42

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

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

5

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.rajagiritech.ac.in/Home/igac/index.asp?strPathOnly=DSR/RESEARCH/FUNDED%20PROJECTS/2022-2023/
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 institution has created an ecosystem for innovations and the creation and transfer of knowledge Rajagiri Research Centre. Rajagiri Research Centre was established in 2003 with the aim of promoting research in the fields of Engineering and Science in the institution. Dr.K. Babu Joseph, (former Vice Chancellor of the Cochin University of Science and Technology and the first Principal of RSET), headed the Research Centre as Dean during the period 2003-2009 and a Research Committee with senior Professors as members was constituted. Research areas such as Topology, Fuzzy Mathematics, Image Compression, etc were identified and certain research activities were initiated on the basis of professional research interests and a few research papers were published. In the year 2007-08, a new research approach was adopted carefully integrating the undergraduate academic programs with the research interests of the faculty. Accordingly, a new entity, Rajagiri Research and Consultancy Center (RRCC) was founded. RRCC conceives RSET as a community of research groups, the entire faculty and students being part of them. Currently, there exist RRCC interdisciplinary and trans-disciplinary research groups engaged in research in diverse engineering areas. Major efforts are implemented by way of student projects and consultancy to the industry. Currently Dr. (Fr.) Varghese Panthaloorkaran is the coordinator of RRCC. Rajagiri has become an accepted Place of Research under APJ Abdul Kalam Technological University and Ph.D. programmes under KTU are being offered in Mathematics, Electronics & Communication Engineering, Computer Science, Mechanical Engineering, Information Technology, and Electrical Engineering.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.rajagiritech.ac.in/Home/igac/index.asp?strPathOnly=DSR/RESEARCH/COMMITTEES%20TO%20PROMOTE%20RESEARCH/2022-23/

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

4

File Description	Documents
Report of the events	No File Uploaded
List of workshops/seminars conducted during the year	View File
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	View File
Any additional information	No File Uploaded

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

5

File Description	Documents
URL to the research page on HEI website	https://www.rajagiritech.ac.in/Home/igac/index.asp?strPathOnly=DSR/FACULTY/FACULTY%20WITH%20GUIDESHIP/2022-2023/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
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

43

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
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	View File
Paste link for additional information	Nil

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

908

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	View File

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

8

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	No File Uploaded

3.5 - Consultancy

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

0.60652

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	No File Uploaded
Any additional information	View File

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

NIL

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	No File Uploaded
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
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

NSS has always stood up to its strong spirit of serving people keeping in mind the policy of "Not Me But You". The belief that we must live for others, is being realized through the selfless service of the NSS volunteers who get into timely action for the upliftment of the needy people. NSS units of the RSET have always given the volunteers, a platform to serve society and bring happiness and smiles on many faces, which has sown the seeds of social commitment in many students who are otherwise kept aloof from the real challenges and torments faced by the masses in the society as a whole. NSS by its range of community service initiatives has triggered a change in the personality and attitude of the volunteers. So it is not simply an association; it's a platform to achieve the overall abilities of every individual enrolled in the scheme. The service rendered by NSS are varied in nature: Health, Education, Legal Aid, Community and Physical services. Regular Activities and Special Camping Programmes are the highlights of the NSS activities of the college. Mass programmes for Socio-Economic Surveys, Nature Study tours, General orientation and Organic farming are some activities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rajagiritech.ac.in/Home/igac/index.asp?strPathOnly=DSR/STUDENT/STUDENT%20ACTIVITIES/2022-2023/EXTRA%20CURRICULAR%20ACTIVITIES/National%20Service%20Scheme/

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

0

File Description	Documents
Number of awards for extension activities in during the year	No File Uploaded
e-copy of the award letters	No File Uploaded
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)

50

File Description	Documents
Reports of the events organized	View File
Any additional information	No File Uploaded

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

400

File Description	Documents
Reports of the events	View File
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

40

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

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)

8

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

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.

RSET has a well maintained lush green and well-developed high-tech campus of 40 acres. It is equipped with modern facilities and learning resources to achieve academic excellence according to its vision and strategic objectives. Teaching and Learning Resources include resources and infrastructure required for library, laboratories, computer labs, class rooms, events, meetings and conference. Support facilities include High performance computing facility, FAB lab, Department libraries, auditorium, seminar halls, conference halls, Board room, committee rooms, hostels, non-resident student centre, canteens, coffee shop, honesty shop, wending machines, agricultural farms, biodiversity park, Fitness centers, sports facilities (indoor & outdoor). College provides first-class hostel facilities separately for both boys and girls. The college provides efficient transport facilities to a number of cities and towns nearby. The campus is renowned for promoting cleaner, greener

and sustainable practices, and the solar power plant of 717.95 kWp capacity reaffirms our commitment to fight climate change and environmental degradation. The Innovation and development center (IEDC) not only acts as a facilitator that shapes students' ideas but also serves as a platform to showcase their skills.

Utilities include Safe drinking water, Restrooms, Prayer rooms and power generators. Classes are scheduled for optimal utilization of the available physical infrastructure.

As part of Rajagiri School of Engineering and Technology's efforts to foster greater collaboration between Academia and Industry, the Steag Centre for Smart City Technologies has been set up within the campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rajagiritech.ac.in/Home/Fotogallery/Photo.asp?dir=College+View

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

Physical Education and Sports is an integral part of Rajagirian's total educational programme. The Physical Education faculty of RSET is committed to providing students with a worthwhile and enjoyable learning environment while providing the necessary knowledge and tools to adhere to a lifetime of activity and better health. RSET has been maintaining a high standard in almost all games. We offer systematic training and coaching for various games in the evening throughout the year. Leading institution teams are invited to RSET for playing practice matches. In order to give a competitive experience and exposure, RSET teams participate in all the APJAKTU inter-collegiate tournaments and inter-collegiate tournaments in the country.

FACILITIES FOR SPORTS & GAMES

Physical Education Faculties

1. Dr. Shibu P.P - Deputy Director in physical Education
2. Dr. Rejeesh T Chacko - Deputy Director in Physical Education

3. Ms.Jinsha T.K - Asst.Professor in Physical Education
4. Mr.Soman K.P - Ground Marker
5. Mr.Rejeesh A.T - Fitness Trainer (Contract)

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://www.rajagiritech.ac.in/Home/Centres/Physical_education.asp

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

70

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

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

2341.5

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
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)

Alethea, the library is a computerized information system, which has all the facilities for information storage and retrieval. It follows the open access library system. It has a total area of 755.86 Sq.m. and a seating capacity of 201. The library functions from 8.00 a.m.

to 8.30 p.m. on all days, except state public holidays other than Sundays. Apart from this central facility, each department has separate department libraries.

Library Collection (as on 1st January 2024)

Library Collection

Books (Including E-Books)

42712

Total Number of Volumes (Hard Copy)

34535

Total Number of Titles (Hard Copy)

13126

E- Book Titles

8177

1. McGrawHill Accessengineering Library 957 Titles

2. Ebsco Engineering Core 7220 Titles

Journals (including E-Journals)

630

National Journals (Print)

86

Back Volumes of Journals

2117

Magazines

33

No. of CD's & DVD's

3244

Timing during working days 8.00am - 8.30pm

Timing during Sundays & Holidays 9.30am - 4.00pm

E- Journal Packages -2023

Publisher

E-Content

No. of E-Journals

IEEE

IEEE - ASPP (All Society Periodical Package) IEEE Journals, transactions and Magazines

190 online IEEE Society-sponsored journals, magazines, and transactions Back files access from the year 2010 onwards.

ELSEVIER

Science Direct

275 E-Journals Back files access from the year 2000 onwards.

ASME

Mechanical Engineering

32 E-Journals

ASCE

Civil Engineering

35 E-Journals

Taylor & Francis

The American Mathematical Monthly

10 issues per year Back files access from the year 1997 onwards

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://103.141.56.145/libhome/

4.2.2 - Institution has access to the following: e- A. Any 4 or more of the above journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

19.85277

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

4.2.4 - 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

133

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	View File

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

The computing resources at Rajagiri School of Engineering & Technology (Autonomous) Kochi is intended to support the educational, instructional, research, and administrative activities of the college and the use of these resources is a privilege that is extended to members of the RSET community. The IT policy of the college is formulated to maintain, secure, and ensure legal and appropriate use of Information technology infrastructure established on the campus and provide guidelines on acceptable and unacceptable use of IT resources of the college.

This policy establishes strategies and responsibilities for protecting the confidentiality, integrity, and availability of the information assets that are accessed, created, managed, and/or controlled by the College. Information assets addressed by the policy include data, information systems, computers, network devices, intellectual property, as well as documents and verbally communicated information. In addition, this policy supportseffective organizational security and protects users and IT resources from, but not limited to cyber criminals, bullying, misuse of accounts and assets as well as the spread of malicious software.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rajagiritech.ac.in/home/pdf/RSET%20IT-policy-2020.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3437	1252

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on A. 50 Mbps

campus

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

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

C. Any two of the above

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.youtube.com/@RajagiriEngg/videos
List of facilities for e-content development (Data Template)	View File

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)

113.5

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	No File Uploaded

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 College has a well-defined policy and system in place for the maintenance and utilization of all its physical and academic facilities. The college has a well-established maintenance department which includes computer maintenance, electrical maintenance, plumbing and civil work maintenance. There is a reporting system for the faults and damages of classroom equipment.

The faculty and students can register the complaint in the maintenance register available at the reception. The maintenance department go through the maintenance register regularly and ensure that the complaints registered are rectified at the earliest possible. Annual Maintenance contract is signed with the service providers for the maintenance of Air conditioning systems, elevators, UPS, and firefighting equipments in the campus. The maintenance of the LAN, computer systems and peripherals, LCD projectors, photocopier machines, EPABX, biometric attendance system and CCTV surveillance system are done inhouse by the system administrator and the maintenance department. The maintenance of books and other resources in library are taken care by the librarian along with library assistant. The library advisory committee guides the librarian in the development of library as a learning resource. The institute emphasizes on utilizing the expertise and resources available inhouse for the maintenance of the physical, academic and other support facilities. The routine cleaning of laboratory, classrooms, administrative units, passages, open areas, washrooms is carried out by people appointed by an external cleaning contractor

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

313

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded

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

0

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	No File Uploaded

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	https://www.rajagiritech.ac.in/Home/igac/index.asp?strPathOnly=DSR/STUDENT/STUDENT%20SUPPORT%20SYSTEM/2022-2023/CAPACITY%20ENHANCEMENT%20PROGRAMMES/
Details of capability development and schemes	View File
Any additional information	No File Uploaded

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

452

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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

A. All of the above

online/offline students' grievances Timely redressal of grievances through appropriate committees

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	View File

5.2 - Student Progression

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

452

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

32

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	No File Uploaded

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

19

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

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**

35

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded

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

The Student Council for the academic year 2022-'23 serves as a vital link between students and the administration, fostering opportunities for social and cultural growth while emphasizing individual development. One of its key responsibilities includes overseeing the publication of the annual college magazine.

Elections for the Student Council took place on November 8, 2022, resulting in the selection of Mr. Naeemu Rahman T N as Chairperson and Ms. Jesmary Ann John as Vice Chairperson. The official swearing-in ceremony and inauguration occurred on November 15, 2022, at RSET Central Lawn.

Regular council meetings were held to address student concerns and suggestions, leading to actionable outcomes. Notable events organized by the Student Council included a Christmas celebration on December 23, 2022, and a "FIFA Rally" on November 23, 2023, in conjunction with the FIFA World Cup Football 2022.

The biennial technical festival, Techkshetra 2022, was successfully hosted by the council on December 17, 2023. Additionally, in collaboration with the Arts Club, they coordinated the annual arts

festival "Bharatham 2023" on May 10th, 11th, and 12th, comprising 27 performing arts competitions and 15 literary events.

Moreover, the Student Council, alongside the Sports Club, organized the "Ranabhoomi" sports and games event on February 3rd and 4th, 2023, and orchestrated Onam Celebrations on August 26, 2023, featuring competitions like the Onam Procession, Tug of War, Malyli Manga & Sreeman, AthaPookalam, among others. Additionally, a Farewell Day event, "YAADEIN," was held for the graduating class of 2023.

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

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

33

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

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

Each department has an alumni representative and co-ordinator. They are contributing significantly to the development of the institution through a handful of activities and other support services. Alumni often donate funds to their alma mater, whether through one-time donations, annual contributions, or setting up endowments. These financial contributions can support scholarships, research grants, infrastructure development, faculty support, and various other initiatives. Alumni associations provide platforms for networking among graduates, facilitating professional connections, mentorship opportunities, and career advancement prospects for current students and fellow alumni. Alumni frequently volunteer their time and expertise by serving as mentors, guest speakers, or advisors to

students, faculty, and staff. They may offer guidance on academic and career matters, share industry insights, or provide assistance with research projects and internships.

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

5.4.2 - Alumni's financial contribution during the year D. 2 Lakhs - 5 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

The Vision and Mission of our institution is stated as follows:

Vision: To evolve into a premier technological and research institution, moulding eminent professionals with creative minds, innovative ideas and sound practical skill, and to shape a future where technology works for the enrichment of mankind.

Mission: To impart state-of-the-art knowledge to individuals in various technological disciplines and to inculcate in them a high degree of social consciousness and human values, thereby enabling them to face the challenges of life with courage and conviction.

RSET(Autonomous)has a broad objective of being an active agent of change by responding to the needs and challenges of the times.This is achieved basically through the process of education, training and research. RSET materializes it's vision by effectively carrying out the mission by constituting various academic as well as administrative bodies. These bodies are formed by ensuring participation from various stake holders including academicians, industry experts, researchers, parents, alumni, faculty and students. A few committees constituted for streamlining the activities of RSET are: Governing body, Academic Council, IQAC,

Ethics committee, Finance committee, Exam Cell and Student council.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.rajagiritech.ac.in/Home/aboutus/GB.asp

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

Rajagiri School of Engineering & Technology (RSET) - Autonomous, Kakkanad, Kochi, is a premier educational institution offering excellence in engineering education and research. RSET (Autonomous) is an endeavour of the Sacred Heart Province of the Carmelites of Mary Immaculate (CMI) - the first-ever indigenous religious congregation for men in the Syrian Catholic tradition of Christianity in India. Heirs to the profound vision of St.Kuriakose Elias Chavara, one of the founding fathers of the congregation, the CMIs' have zealously worked towards providing value-based quality education to society at large, irrespective of religious differences, down the centuries. Heads of Departments conduct regular department meetings during which the requirements of the Departments such as Equipment, Laboratory materials, Books, Journals and others are discussed and brought out as requests with appropriate budget estimate. This is presented to the Head of the Institution who in turn takes it to the Management for further action. A meeting of the Heads of Departments is convened by the management, to ascertain the Annual Operation Plan (AOP), either in the beginning or at the end of the academic year meet for allotting budgetary provisions as per the requisitions from the departments. Thus, the college decentralizes the authority and provides operational autonomy to the committees. The HODs have been delegated the financial power to the tune of Rs. 25000/- for taking care of emergency situations and for consumables.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://www.rajagiritech.ac.in/Home/aboutus/Organogram.asp

6.2 - Strategy Development and Deployment

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

Academic retreats are organised every year to articulate the strategic plan. A detailed evaluation of the previous year activities are conducted and short term and long term goals are formulated for the progress of the institution. The implementation of the strategic plan is monitored by the Principal and the autonomous bodies.

RSET also offered a diverse range of certificate/diploma/ add-on courses. These supplementary programs are designed to empower students with specialized skills and knowledge in specific areas, complementing their primary education. With these additional offerings, RSET aims to create well-rounded professionals capable of thriving in various industries and adapting to the ever-changing demands of the job market. RSET initiates MoU with various institutes and industry.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.rajagiritech.ac.in/Home/stc/
Upload any additional information	View File

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.

Rajagiri School of Engineering & Technology (Autonomous) is an institution supported by the Sacred Heart Province of CMI, a religious congregation in India. The functioning of RSET is

characterized by its well-established institutional bodies and efficient practices. The governing body, comprising 20 members including the Manager, Director, Principal, management representatives, senior faculty, industrialists, educationists, and university and government nominees, plays a crucial role in overseeing operations. The College Council, chaired by the Director and consisting of the Principal and five senior faculty members, supports the institution's overall functioning. The Finance Committee, provides advisory support for budgeting and auditing. The Principal is aided by the Academic Council, Vice-Principal, Deans, Heads of Departments (HoDs), Controller of Examinations, and Internal Quality Assurance Cell (IQAC). The Academic Council, with 22 members including the Principal, senior faculty, HoDs, university nominees, and experts, ensures the maintenance of instruction, education, training, research, and examinations. The UG, PG, and Research Deans, oversee academic and research activities. The institution's nine departments are led by eminent academicians, supported by dedicated faculty and technical staff. The Controller of Examinations along with his team prepares the examination calendar and manages the examination process. The IQAC operates in various segments. RSET exemplifies effective governance and efficient functioning through its well-structured institutional bodies, ensuring the institution's smooth operation and development.

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.rajagiritech.ac.in/Home/aboutus/Organogram.asp
Upload any additional information	View File
Paste link for additional Information	https://www.rajagiritech.ac.in/home/aboutus/Principal.asp

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	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

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

RSET has effective welfare measures for both teaching and non teaching staff. RSET implemented a Staff welfare fund to assist staff members in their financial crisis. The financial aid will be made available in the form of welfare fund loan, with a nominal rate of interest. Induction programmes are regularly conducted by RSET in view of orienting the newly joining faculty members.

Programmes are organised in the institutional level as well as in department level for improving the quality of faculty intake. Immense opportunities are given to faculty members along with financial aid for participating in various career advancement programmes in various other reputed organisations. Self-appraisal system existing in RSET monitors and assess the academic performance of faculty members and awards stage promotions and increments based on their competence. RSET provides a research friendly environment for all the budding researchers by setting up research promotion schemes and policies which help them to carry out their research work along with their teaching career. RSET also encourages faculty members to acquire Ph.D degree by granting sufficient study leaves and supporting the faculty members for availing lightly loaded options as mentioned in the staff policy.

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

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

0

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

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

25

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

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.)

128

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The institution follows a systematic procedure by following a two-tire audit. • Internal Audit • Statutory audit (External Audit)

Internal audit is conducted twice a year. They give early warning so

that corrective measures are taken on time. External audits are conducted in accordance with the auditing standards generally accepted in India. These standards require that we plan and perform audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. The audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements.

The external auditor conducts the audit after the closure of the financial year. The auditor examines the books and records to form his opinion whether the Institute keeps proper books of account, he examines the Balance sheets. Separate external auditors are appointed for internal and statutory audits. An audit undertaken by the province is a management tool conducted by the in-house representatives. Major areas covered by the audit are: 1) Income:2) Payments: 3) Verification of assets and liabilities, and 4) Statutory payments are made on time and required returns are filed on time.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.rajagiritech.ac.in/Home/audited.asp

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)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	No File Uploaded
Any additional information	No File Uploaded

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

The institution maintains a favourable back up financial support for all the statutory and required activities to be conducted in the institution in an academic year. The budget requirements are handled

by the Finance committee comprising of the Principal, a Senior teacher and a nominee from Governing body and University. This committee is the advisory body to the Director, to sanction the budget estimates. The major income for the institution is derived from student fees.

The institution also receives income from various research funding organisations to carry out innovative research.

Resource mobilization procedures in the institute:

- Head of the departments have been allotted regularly replenished amount which can be utilized for emergency requirements for the department.
- For all the chartered programmes organised under department/ institution is approved by the Principal/Director as and when it is required.
- Before the beginning of a financial year every department proposes an annual budget for the expected expenses in the areas of lab/ course activities, research, infrastructure, library, training and travel, software licences, maintenance etc. which will be sanctioned following approval.
- Various technical activities are conducted through sponsorship from industry/ financial organisations.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.rajagiritech.ac.in/Home/audited.asp

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)

1.Preparation of Standardized templates and guidelines

The Internal Quality Assurance Cell (IQAC) has played a pivotal role in driving quality improvement initiatives across various areas. IQAC has worked on the development of guidelines that serve as essential frameworks for various academic processes. These

guidelines ensure consistency, fairness, and effectiveness in areas such as workload distribution, faculty feedback system, retest procedures, assignment execution, class and course committee conduct, comprehensive course work assessment, and the execution of the final-year B.Tech. main project. By providing clear instructions and standardizing procedures, these guidelines enhance the overall quality of academic operations at RSET.

2. Creation and updating of various feedback surveys and automation of multiple tasks.

Moreover, the IQAC has been actively involved in the preparation and revision of various feedback questionnaires. These questionnaires play a crucial role in gathering valuable insights and perspectives from stakeholders such as students, faculty, and staff. By continuously improving and updating the questionnaires, the IQAC ensures the collection of meaningful feedback that can be utilized for faculty development, curriculum enhancement, and overall institutional improvement.

The efforts put forward by IQAC for the addition and updation of various features in our inhouse software have brought about ease, efficiency, and convenience to various activities within the institution. Through its proactive involvement in these areas, the IQAC of RSET demonstrates its commitment to driving quality improvement, fostering a culture of transparency, accountability, and continuous enhancement within the institution.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rajagiritech.ac.in/Home/iqac/iqac.asp

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

1. Faculty Orientation Program and Academic Retreat -RIDHI 2022

Faculty orientation programme conducted on 21st July 2022 on the theme "How can you be an infectious Inspiring Teacher" aims to familiarize newly appointed faculty members with the institution's values, policies, resources, and academic culture, setting the stage for a successful and engaging academic journey.

The Academic Retreat - RIDHI 2022 was conducted from the 17th -26th August 2022. Highlighting the importance of Outcome-based education (OBE), the first day's session was on "Introduction to OBE' followed by sessions on CO Framing and CO-PO mapping, the sessions were handled by Dr. Umakanth P. Kulkarni, SDM College of Engineering, Dharwad. This was followed by a session on 'Design Course Learning Outcomes' and 'Effective Teaching Strategies to be Included in the Curriculum' handled by Dr. Edamana Prasad, IIT Madras. The second part of the retreat focused on the curriculum structure of RSET and a workshop on Background study & Curriculum Preparation was conducted by each department. On the last day a session on 'Talk on Student Engagement' was handled by Dr. Vijayalakshmi V., IITM, Chennai.

2. Academic Audits To ensure the adherence to quality standards and continuous improvement in academic practices, IQAC conducts regular academic audits twice within each semester. These audits cover various aspects, including course files, class teacher files, and Head of Department (HoD) files.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rajagiritech.ac.in/Home/iqac/new_sletter.asp

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	https://www.rajagiritech.ac.in/Home/Magazine/Magazine.asp
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Five of the nine Heads of the Departments of the 9 B.Tech programmes offered by the institution are women. While electing the members of the student council it is made sure that two seats are exclusively reserved for female student representatives. In all the programs offered in RSET, 50% or more of the students are female. In all the clubs, it is ensured that there is equal representation of female faculty coordinators. ICC was formed to prevent sexual harassment of women in RSET. RSET also has a gender equity cell which promotes gender amity amongst all. There are exclusive women's teams for basketball, badminton, chess, table tennis, tennis, handball, volleyball, kabaddi, netball and athletics which have won many accolades for the institution. All the corridors, classrooms and labs are under CCTV surveillance. There are security personnel deployed at all entrances and visitors' registers are maintained to track the entry and exit of visitors from outside the campus. There is a students' welfare office functioning in RSET which ensures the psychological well being of the students as well as the students' grievances. A separate restroom is provided for women in the medical centre facility on campus. Every floor of every building has separate washrooms for women. RSET has a full time female physical education instructor. There is a separate fitness centre for ladies. Separate common rooms facility are also provided for girls on campus. There are two common rooms exclusively for girls in the KE block of RSET.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.rajagiritech.ac.in/Home/igac/index.asp?strPathOnly=DSR/RSET%20HIGHLIGHTS/RSET%20%20VALUE%20ENRICHMENT%20ACTIVITIES/2022-2023/GENDER%20EQUITY%20CELL/

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

B. Any 3 of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

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

Solid Waste Management: RSET has a waste segregation unit in the campus where the solid waste including plastic, paper and glass are collected and segregated. The collected paper and plastic are then pressed into cubes using a hydraulic press and are then disposed of. The glass is powdered using a glass crushing machine and then powdered glass is then reused in concrete and plastering. There is also a leaf crusher machine on the campus. All the dried leaves from the trees are collected and then powdered using this machine. This powdered leaf waste is then reused as organic fertiliser for the various plants and trees on campus. There is also a composting unit on campus, where the dried leaves collected from around the campus is mixed with cow dung, and the compost obtained is then used as organic fertiliser.

Liquid Waste Management: There are two Sewage Treatment Plants (STPs) functioning on campus. There is a 240kl unit available on the college campus and a 80kl unit in Sanjoe hostel. The sewage from campus and hostel are treated in these STPs and the treated water which is expelled from these STPs are then used for gardening.

E-waste management: E-waste from the campus including computers,

printers, air conditioning units and other electrical and electronic equipment is recycled through a government recognized e-waste recyclers.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	View File
Any other relevant information	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus **A. Any 4 or all of the above**

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: **B. Any 3 of the above**

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

C. Any 2 of the above

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions/awards
5. Beyond the campus environmental promotional activities

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

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

B. Any 3 of the above

reading materials, screen reading, etc.

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

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).

RSET is an endeavour of Carmelites of Mary Immaculate (CMI). Our education policy states that we aspire towards creating a just and humane society where the dignity of the human person is respected, where unjust social structures are challenged, where our cultural heritage of ahimsa, religious harmony and national unity are upheld, and where the poor and the marginalized are specially taken care of.

RSET has always been open to diversity and working towards inclusiveness. This is reflected in the vast variety of students from various countries, religions, regions, and castes that are studying in the institution and is celebrated in the form of various festivals and days of national/international importance. Various activities which encourage the students to cultivate openmindedness and mindfulness are incorporated into the curriculum as well as carried out in the form of co- and extra-curricular activities.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

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

The B.Tech. curriculum is incorporated with mandatory non-credit courses such as Constitution of India, Professional Ethics and Life Skills which equip the students with the knowledge of constitution of India, the fundamental rights and duties of its citizens, develop

life skills required in personal and professional life, develop an inclusive mindset and develop an understanding of professional ethics and human values. The institution has an Ethics Committee consisting of the Principal, senior faculty members and representatives from local administration. The institution celebrates days of national importance as well as regional festivals like Onam. Annual festival like Christmas is celebrated by all students across all religions in the institution. Institution conducts a Student Induction Programme (SIP) annually for the newly joined students of the institution. Universal Human Values (UHV) is a major part of the SIP and various themes like justice, liberty, equality, fraternity, human dignity and the unity are chosen for discussion. The institution also has an NSS cell which carries out various social and community activities. To inculcate the value of honesty in students, institution has an "honesty shop" which is an 'unmanned' stationery shop selling all necessary stationery items which the students and staff may purchase by depositing the listed price in a box kept on the counter.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

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

C. Any 2 of the above

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

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

RSET believes in organising and celebrating various commemerative days of national ans international ommemerative days and festivals. The following days have been celebrated by the various clubs/assoications/bodies/cells in RSET:

1. World Environment Day 2022
2. International Yoga Day 2022
3. Independance Day
4. Onam (harvest festival of Kerala) 2022
5. Engineer's Day 2022
6. IEEE Day 2022
7. Human Rights and World Philosophy Day
8. International Anti-corruption Day
9. Christmas Day
10. National Youth Day
11. National Youth Day & Birth Anniversary of Swami Vivekananda
12. Republic Day
13. International Day of Women and girls in science
14. International Women's Day
15. English Language Day
16. Mathematics Day
17. World Nature Conservation Day
18. World Entrepreneurs' Day
19. World Teacher's Day 2022
20. World AIDS Day 2022
21. Constitution Day 2022
22. Army Day 2023
23. National Girl Child Day 2023
24. National Voters Day 2023

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

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

Best Practice #1 Title of the Practice: Rajagiri Student Management System (RSMS)

Best Practice #2 Title of the Practice : Rajagiri Examination Automation System (REXA)

File Description	Documents
Best practices in the Institutional website	https://www.rajagiritech.ac.in/Home/igac/index.asp?strPathOnly=DSR/RSET%20HIGHLIGHTS/RSET%20BEST%20PRACTICES/2022-2023/
Any other relevant information	Nil

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)

RSET has long been committed to providing an enriching and holistic educational experience to its students. Recognizing the evolving demands of the modern job market and the need to foster well-rounded individuals, RSET has embraced the practice of offering add-on courses. These supplementary educational programs aim to complement the core academic curriculum, empowering students to explore diverse areas of interest and develop additional skills that go beyond their discipline. The practice of offering add-on courses reflects our dedication to nurturing not just competent engineers but also versatile professionals with a broader perspective on learning and life. These courses are designed to bridge the gap between theory and practice, equipping students with relevant industry skills and enhancing their employability. In this endeavour, RSET remains

committed to maintaining the highest standards of academic excellence. As we continue to offer a diverse array of add-on courses, we encourage our students to seize these opportunities and embark on a path of continuous learning that transcends the boundaries of their chosen disciplines. Together, we aspire to shape future leaders who possess not only technical acumen but also a well-rounded set of skills, values, and experiences that empower them to make a positive impact on society.

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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.

Rajagiri School of Engineering & Technology (RSET) - Autonomous, stands as a leading educational establishment offering high-quality engineering education and research opportunities. RSET is dedicated to equipping students in various engineering disciplines to address the demands at local, national, regional, and global levels. Embracing an Outcome-based Education approach, RSET focuses on achieving Programme Educational Objectives (PEOs) and Programme Outcomes (POs) tailored to its diverse course offerings. Program Specific Outcomes (PSOs) are emphasized to enhance students' employability, entrepreneurial skills, and overall competency in their chosen fields of study. The institution's curriculum is finely attuned to the needs of the local and regional industries, benefiting from its strategic location near Kerala's industrial hub, Infopark, and the proposed Smart City. This proximity facilitates hands-on experience for students, exposing them to practical aspects of their profession. Moreover, the curriculum encompasses both fundamental and advanced courses, ensuring alignment with global requirements. Students engage in internships and research projects that bridge academia and industry, offering them valuable exposure on a global scale. Since 2020, RSET has operated autonomously, further enabling its commitment to academic excellence and innovation.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	Nil

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

9

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
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

315

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

1.2 - Academic Flexibility

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

135

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

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

14

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

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

The institution places great emphasis on upholding professional ethics, promoting gender equality, fostering human values, and ensuring environmental sustainability, all of which are in line with its fundamental vision and mission. Professional ethics and sustainability are fundamental aspects integrated into the Specified Programme Outcomes for every academic program. Consequently, these principles are interwoven throughout the course objectives across all subjects. To cultivate ethical behavior, students actively participate in obligatory project work, where they are required to adhere to professional ethics throughout the stages of design, development, and report writing. Furthermore, the curriculum incorporates mandatory courses focused on Sustainability Engineering, underscoring the institution's dedication to sustainable practices. Beyond academic endeavors, various clubs organize outreach activities aimed at cultivating social responsibility and instilling human values in the student body. Through these collective efforts, the institution nurtures a comprehensive educational environment that empowers students to emerge as conscientious and ethical professionals, equipped to tackle global challenges.

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	View File
Any additional information	No File Uploaded

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

10	
File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	No File Uploaded
Any additional information	No File Uploaded

1.3.3 - Number of students enrolled in the courses under 1.3.2 above**469**

File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded

1.3.4 - Number of students undertaking field work/projects/ internships / student projects**1479**

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

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	https://drive.google.com/drive/folders/10RNkjOGJ1nlw0sO3oZKRn7qFrXZ159NE?usp=drive_link
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	No File Uploaded
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

C. Feedback collected and analysed

File Description	Documents
Provide URL for stakeholders' feedback report	https://www.rajagiritech.ac.in/Home/igac/index.asp?strPathOnly=DSR/ADMINISTRATION/FEEDBACK%20SYSTEM/2022-2023/
Any additional information	View File

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

930

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

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)

139

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

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

The student's learning levels are monitored through classroom interaction, and assessments are used to assess the learning levels of the students.

The departments schedule remedial classes for slow learners. Teachers provide one-to-one attention in remedial classes. The departments use monitoring and mentoring to keep track of slow learners' progress. Tutoring by peers, senior students, and mentors is offered. Faculty respond to students' queries personally, over the phone, email, and WhatsApp.

Advanced learners are encouraged to take up honors and MOOC courses. Meritorious students are awarded cash prizes for securing high grades. Placement Cell invites Companies for placement drive and students are encouraged to register for the interviews actively. Training and Placement Cell also provides training in interview skills and communication skills.

Online resources are available to strengthen the knowledge base. Students are encouraged to participate in conferences and workshops. The library also ensures accessibility for the online material. The faculty facilitates students to publish articles in journals/conferences. The Institute provides an opportunity for top students from each branch to visit international universities, as part of student_exchange program.

Rajagiri has MOUs with various industries and professional societies that offer job-oriented courses for both learners. Students are permitted internships in reputed companies.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
12/12/2023	3352	199

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

Teaching-learning methods include the following:

Lecture method: This conventional method is commonly adopted by all teachers to interpret, explain, and revise the content for a better understanding of the subject by the learners.

Interactive method: The students participate in group discussions, subject quizzes, and seminars.

Experiential Learning: The department communicates the following experiential learning practices to improve the creativity and cognitive levels of the students -

- Laboratory Sessions.
- Project development by students where they platform their working model in the technical fest.
- Industrial Visits.

Participatory Learning: Students participate in different activities such as seminars, group discussions, wallpapers, and projects.

- An annual cultural program is organized every year to give an opening to their creativity.
- Regular Quizzes are organized at intra or inter-department levels.
- Seminar Presentation.

Problem-solving methods: The department encourages students to develop problem-solving skills.

- Assignments based on problems
- Mini Project
- Case studies discussions

The institute also provides innovative student-centric methods such as Hackathons, Workshops, Seminars, Virtual Labs, Simulation, activity-based learning, Flipped Classrooms, Guest lectures, Peer learning groups, MOOCs, Google Classroom, Project-based learning, Real-time studies, PPT, Journal Review, Prototype model, projects, Viva, Poster presentation, Public Speaking for Participative, Problem-solving and Experiential-learning.

File Description	Documents
Upload any additional information	View File
Link for additional Information	Nil

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

Rajagiri follows ICT-enabled teaching in addition to traditional classroom education. All the classrooms and labs are ICT-enabled with projectors installed and the campus is enabled with high-speed WiFi connection.

The faculty uses various ICT-enabled tools to enhance the quality of teaching-learning like: •

The faculty members used Google Meet or Zoom to conduct tests and for lecture delivery.

Use of interactive methods for effective teaching such as PPT with animations, Video clippings, Use of online resources from NPTEL, Coursera, YouTube links, Simulation tools, Virtual labs, online assessment tools like Mentimeter - Quiz.com, and various Cloud portals, etc. • WhatsApp group used as platforms to communicate, make announcements, address queries, and share information. •

To teach problem-solving subjects in an online mode, faculty have used various online tools like- whiteboard in Microsoft Teams, Jamboard in Google Meet, etc. All the teaching materials and instructional material for conducting Experiments are uploaded by faculty members in Google Classroom.

The research journals and e-books are available in the online library to our faculty and students. • All the departments have created online materials that are broadcast on the Rajagiri YouTube channel.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	http://gyan.rajagiritech.ac.in/
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

138

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

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

The institution prepares the semester plan and academic calendar for every semester in advance. The coverage of the academic plan covers the list of examination dates, vacation dates, festivals,

etc. The semester plan provides the total effective working days available in each semester. Then the timetable committee prepares the timetable by correlating the working days available and coverage of the curriculum of the subjects. Thus, the academic calendar monitors the effective delivery of the program with academic and business inputs. The concerned faculty members prepare course plans for their respective subjects. These hours are distributed among classroom teaching, case studies, workshops, and lab sessions as per the subject requirements. These plans are made in advance and serve as a guide for conducting sessions. HODs check the progress of each course and ensure the timely and effective completion of a course in the specified time frame with the perfect blend of practical and theoretical inputs.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

207

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	No File Uploaded
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

56

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	View File
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)

1905

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
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

75

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
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

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
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

Rajagiri has an inhouse software known as REXA (Rajagiri Examination Automation).

IT Integration and Reforms: The Office of Controller of Examinations integrated IT in the management of the Examination System. Mark entry, Grade, Percentage, and Cumulative Grade Point Average (CGPA), preparation, and analysis of results are automated. The mark statement of every semester is accessible to restricted users, especially to the Heads of the Departments to assess the performance of students periodically and guide them properly. Challan for the payment of Examination fees and hall tickets are computer-generated. The payment of the Examination Fee is through online mode. The students can download their hall tickets.

This software is exclusively developed and used for conducting the examinations from the 2020 batch of students onwards (B.Tech and M.Tech). The examination-related tasks include question bank uploading, question paper generation, question paper scrutiny, final question paper generation, answer paper valuation, tabulation, and results. The software is linked with another software RSMS (Rajagiri Student Management System) for getting the student's details for course, exam registration, and internal marks. The software can be viewed by both faculty and students. The Controller of Examinations with two Deputy Controllers is given the master permissions for the total access.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.rajagiritech.ac.in/home/exam/Conduct_of_Examination.asp

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

As to the objectives of Outcome Based Education (OBE), the Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) are framed by the department offering the concerned program after rigorous consultation with all faculty and stakeholders. It is displayed on

1. Website
2. Curriculum /regulations books
3. Classrooms
4. Laboratories
5. Student Induction Programs
6. Parent meet
7. Faculty meetings
8. Alumni meetings
9. Professional Body meetings

While addressing the students, the HODs create awareness of POs, PSOs, and COs. The faculty members, class teachers, and mentors inform the students create awareness, and emphasize the need to attain the outcomes.

PSOs are the specific skill requirements and accomplishments to be fulfilled by the students at the end of the program.

POs incorporate many areas of inter-related knowledge, skills, and personality traits that are to be acquired by the students during their graduation.

COs are direct statements describing the essential and enduring disciplinary knowledge, abilities that students should possess, and the depth of learning expected from the course. The COs are prepared by the course coordinator in consultation with concerned faculty members teaching the same course.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	No File Uploaded
Upload any additional information	View File
Link for additional Information	Nil

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

Programme outcome (PO) / programme-specific outcome (PSO) assessment is done by giving 80% weightage to direct assessment and 20% weightage to indirect assessment. Direct assessment is based on Course Outcome (CO) attainment. Indirect assessment is done through a program exit survey. Direct Assessment Tools and Process: Direct assessment tools are used to directly assess POs and PSOs. Initially, the attainment of each course outcome is determined using internal as well as external (university exam) assessments. The attainment of each PO to a particular course is determined from the attainment values obtained for each course outcome related to that PO and the CO-PO mapping values.

Similarly values of PSO attainment are also determined. Indirect Assessment Tools and Process: Indirect assessment is done through a program exit survey. An exit survey is conducted for students who have graduated from the department for that year. The questionnaire consists of 15 relevant questions for assessing each PO and PSO. The first 12 questions correspond to the 12 POs and the remaining 3 questions are for PSOs. Each question has 5 options, namely, strongly agree, agree, disagree, and strongly disagree which is given marks 5, 4, 3, 2 and 1.

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

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

706

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

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

<https://www.rajagiritech.ac.in/Home/igac/index.asp?strPathOnly=DSR/ADMINISTRATION/FEEDBACK%20SYSTEM/2022-2023/>

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

RSET has several initiatives being pursued on the research front. Individual departments have Research Groups based on specific areas of study and the expertise of the faculty. Faculty members are encouraged to acquire state of art in their chosen area through need-based training programmes offered by competent institutions. This is passed on to the students through Projects currently relevant while fulfilling the curricular requirements. A Research Advisory Committee (RAC) is in place which offers timely guidance and support to faculty members in pursuance of their research as well as in formulating application-oriented research proposals for external funding. Broad policies to augment institutional research are drawn out by the RAC. The implementation part is looked after by the Research Promotion Committee (RPC) which provides first-hand support on a case by case basis. Young researchers have found the overall system encouraging and helpful in accomplishing their goals.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.rajagiritech.ac.in/Home/Research/ResearchSeed.asp
Any additional information	View File

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)

NIL

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	No File Uploaded
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	No File Uploaded
List of teachers receiving grant and details of grant received	No File Uploaded
Any additional information	No File Uploaded

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

0

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	No File Uploaded
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)	
4209250	
File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	No File Uploaded
Any additional information	No File Uploaded
3.2.2 - Number of teachers having research projects during the year	
7	
File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.rajagiritech.ac.in/Home/igac/index.asp?strPathOnly=DSR/RESEARCH/FUNDED%20PROJECTS/2022-2023/
List of research projects during the year	View File
3.2.3 - Number of teachers recognised as research guides	
42	
File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File
3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year	
5	

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.rajagiritech.ac.in/Home/igac/index.asp?strPathOnly=DSR/RESEARCH/FUNDED%20PROJECTS/2022-2023/
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 institution has created an ecosystem for innovations and the creation and transfer of knowledge Rajagiri Research Centre. Rajagiri Research Centre was established in 2003 with the aim of promoting research in the fields of Engineering and Science in the institution. Dr.K. Babu Joseph, (former Vice Chancellor of the Cochin University of Science and Technology and the first Principal of RSET), headed the Research Centre as Dean during the period 2003-2009 and a Research Committee with senior Professors as members was constituted. Research areas such as Topology, Fuzzy Mathematics, Image Compression, etc were identified and certain research activities were initiated on the basis of professional research interests and a few research papers were published. In the year 2007-08, a new research approach was adopted carefully integrating the undergraduate academic programs with the research interests of the faculty. Accordingly, a new entity, Rajagiri Research and Consultancy Center (RRCC) was founded. RRCC conceives RSET as a community of research groups, the entire faculty and students being part of them. Currently, there exist RRCC interdisciplinary and trans-disciplinary research groups engaged in research in diverse engineering areas. Major efforts are implemented by way of student projects and consultancy to the industry. Currently Dr. (Fr.) Varghese Panthalookaran is the coordinator of RRCC. Rajagiri has become an accepted Place of Research under APJ Abdul Kalam Technological University and Ph.D. programmes under KTU are being offered in Mathematics, Electronics & Communication Engineering, Computer Science, Mechanical Engineering, Information Technology, and Electrical Engineering.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.rajagiritech.ac.in/Home/igac/index.asp?strPathOnly=DSR/RESEARCH/COMMITTEES%20TO%20PROMOTE%20RESEARCH/2022-23/

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

4

File Description	Documents
Report of the events	No File Uploaded
List of workshops/seminars conducted during the year	View File
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	View File
Any additional information	No File Uploaded

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

5

File Description	Documents
URL to the research page on HEI website	https://www.rajagiritech.ac.in/Home/igac/index.asp?strPathOnly=DSR/FACULTY/FACULTY%20WITH%20GUIDESHIP/2022-2023/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
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

43

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
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	View File
Paste link for additional information	Nil

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

908

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	View File

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

8

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	No File Uploaded

3.5 - Consultancy

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

0.60652

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	No File Uploaded
Any additional information	View File

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

NIL

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	No File Uploaded
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
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

NSS has always stood up to its strong spirit of serving people keeping in mind the policy of "Not Me But You". The belief that we must live for others, is being realized through the selfless service of the NSS volunteers who get into timely action for the upliftment of the needy people. NSS units of the RSET have always given the volunteers, a platform to serve society and bring happiness and smiles on many faces, which has sown the seeds of social commitment in many students who are otherwise kept aloof from the real challenges and torments faced by the masses in the society as a whole. NSS by its range of community service initiatives has triggered a change in the personality and attitude of the volunteers. So it is not simply an association; it's a platform to achieve the overall abilities of every individual enrolled in the scheme. The service rendered by NSS are varied in nature: Health, Education, Legal Aid, Community and Physical services. Regular Activities and Special Camping Programmes are the highlights of the NSS activities of the college. Mass programmes for Socio-Economic Surveys, Nature Study tours, General orientation and Organic farming are some activities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rajagiritech.ac.in/Home/igac/index.asp?strPathOnly=DSR/STUDENT/STUDENT%20ACTIVITIES/2022-2023/EXTRA%20CURRICULAR%20ACTIVITIES/National%20Service%20Scheme/

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

0

File Description	Documents
Number of awards for extension activities in during the year	No File Uploaded
e-copy of the award letters	No File Uploaded
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)

50

File Description	Documents
Reports of the events organized	View File
Any additional information	No File Uploaded

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

400

File Description	Documents
Reports of the events	View File
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

40

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

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)

8

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

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.

RSET has a well maintained lush green and well-developed high-tech campus of 40 acres. It is equipped with modern facilities and learning resources to achieve academic excellence according to its vision and strategic objectives. Teaching and Learning Resources include resources and infrastructure required for library, laboratories, computer labs, class rooms, events, meetings and conference. Support facilities include High performance computing facility, FAB lab, Department libraries, auditorium, seminar halls, conference halls, Board room, committee rooms, hostels, non-resident student centre, canteens, coffee shop, honesty shop, wending machines, agricultural farms, biodiversity park, Fitness centers, sports facilities (indoor &

outdoor). College provides first-class hostel facilities separately for both boys and girls. The college provides efficient transport facilities to a number of cities and towns nearby. The campus is renowned for promoting cleaner, greener and sustainable practices, and the solar power plant of 717.95 kWp capacity reaffirms our commitment to fight climate change and environmental degradation. The Innovation and development center (IEDC) not only acts as a facilitator that shapes students' ideas but also serves as a platform to showcase their skills.

Utilities include Safe drinking water, Restrooms, Prayer rooms and power generators. Classes are scheduled for optimal utilization of the available physical infrastructure.

As part of Rajagiri School of Engineering and Technology's efforts to foster greater collaboration between Academia and Industry, the Steag Centre for Smart City Technologies has been set up within the campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rajagiritech.ac.in/Home/Fotogallery/Photo.asp?dir=College+View

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

Physical Education and Sports is an integral part of Rajagirian's total educational programme. The Physical Education faculty of RSET is committed to providing students with a worthwhile and enjoyable learning environment while providing the necessary knowledge and tools to adhere to a lifetime of activity and better health. RSET has been maintaining a high standard in almost all games. We offer systematic training and coaching for various games in the evening throughout the year. Leading institution teams are invited to RSET for playing practice matches. In order to give a competitive experience and exposure, RSET teams participate in all the APJAKTU inter-collegiate tournaments and inter-collegiate tournaments in the country.

FACILITIES FOR SPORTS & GAMES

Physical Education Faculties

1. Dr.Shibu P.P - Deputy Director in physical Education
2. Dr.Rejeesh T Chacko - Deputy Director in Physical Education
3. Ms.Jinsha T.K - Asst.Professor in Physical Education
4. Mr.Soman K.P - Ground Marker
5. Mr.Rejeesh A.T - Fitness Trainer (Contract)

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://www.rajagiritech.ac.in/Home/Centres/Physical_education.asp

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

70

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

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

2341.5

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
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)

Alethea, the library is a computerized information system, which has all the facilities for information storage and retrieval. It follows the open access library system. It has a total area of 755.86 Sq.m. and a seating capacity of 201. The library functions from 8.00 a.m. to 8.30 p.m. on all days, except state public holidays other than Sundays. Apart from this central facility, each department has separate department libraries.

Library Collection (as on 1st January 2024)

Library Collection

Books (Including E-Books)

42712

Total Number of Volumes (Hard Copy)

34535

Total Number of Titles (Hard Copy)

13126

E- Book Titles

8177

1.McGrawHill Accessengineering Library 957 Titles

2. Ebsco Engineering Core 7220 Titles

Journals (including E-Journals)

630

National Journals (Print)

86

Back Volumes of Journals

2117

Magazines

33

No. of CD's & DVD's

3244

Timing during working days 8.00am - 8.30pm

Timing during Sundays & Holidays 9.30am - 4.00pm

E- Journal Packages -2023

Publisher

E-Content

No. of E-Journals

IEEE

IEEE - ASPP (All Society Periodical Package) IEEE Journals, transactions and Magazines

190 online IEEE Society-sponsored journals, magazines, and transactions Back files access from the year 2010 onwards.

ELSEVIER

Science Direct

275 E-Journals Back files access from the year 2000 onwards.

ASME

Mechanical Engineering

32 E-Journals

ASCE

Civil Engineering

35 E-Journals

Taylor & Francis

The American Mathematical Monthly

10 issues per year Back files access from the year 1997 onwards

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://103.141.56.145/libhome/

**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	View File
Upload any additional information	View File

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

19.85277

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

4.2.4 - 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

133

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	View File

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

The computing resources at Rajagiri School of Engineering & Technology (Autonomous) Kochi is intended to support the educational, instructional, research, and administrative activities of the college and the use of these resources is a privilege that is extended to members of the RSET community. The IT policy of the college is formulated to maintain, secure, and ensure legal and appropriate use of Information technology infrastructure established on the campus and provide guidelines on acceptable and unacceptable use of IT resources of the college.

This policy establishes strategies and responsibilities for protecting the confidentiality, integrity, and availability of the information assets that are accessed, created, managed, and/or controlled by the College. Information assets addressed by the policy include data, information systems, computers, network devices, intellectual property, as well as documents and verbally communicated information. In addition, this policy supportseffective organizational security and protects users and IT resources from, but not limited to cyber criminals, bullying, misuse of accounts and assets as well as the spread of malicious software.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rajagiritech.ac.in/home/pdf/RS-ET%20IT-policy-2020.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3437	1252

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	A. 250 Mbps
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File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

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	C. Any two of the above
--	-------------------------

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.youtube.com/@RajagiriEngg/videos
List of facilities for e-content development (Data Template)	View File

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)

113.5

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	No File Uploaded

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 College has a well-defined policy and system in place for the maintenance and utilization of all its physical and academic facilities. The college has a well-established maintenance department which includes computer maintenance, electrical maintenance, plumbing and civil work maintenance. There is a reporting system for the faults and damages of classroom equipment. The faculty and students can register the complaint in the maintenance register available at the reception. The maintenance department go through the maintenance register regularly and ensure that the complaints registered are rectified at the earliest possible. Annual Maintenance contract is signed with the service providers for the maintenance of Air conditioning systems, elevators, UPS, and firefighting equipments in the campus. The maintenance of the LAN, computer systems and peripherals, LCD projectors, photocopier machines, EPABX, biometric attendance system and CCTV surveillance system are done inhouse by the system administrator and the maintenance department. The maintenance of books and other resources in library are taken care by the librarian along with library assistant. The library advisory committee guides the librarian in the development of library as a learning resource. The institute emphasizes on utilizing the expertise and resources available inhouse for the maintenance of the physical, academic and other support facilities. The routine cleaning of laboratory, classrooms, administrative units, passages, open areas, washrooms is carried out by people appointed by an external cleaning contractor

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support**5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year**

313

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded

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

0

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	No File Uploaded

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	https://www.rajagiritech.ac.in/Home/igac/index.asp?strPathOnly=DSR/STUDENT/STUDENT%20SUPPORT%20SYSTEM/2022-2023/CAPACITY%20ENHANCEMENT%20PROGRAMMES/
Details of capability development and schemes	View File
Any additional information	No File Uploaded

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations

and career counselling offered by the institution during the year

452

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	View File

5.2 - Student Progression**5.2.1 - Number of outgoing students who got placement during the year**

452

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

32

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	No File Uploaded

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

19

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

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

35

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded

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

The Student Council for the academic year 2022-'23 serves as a vital link between students and the administration, fostering opportunities for social and cultural growth while emphasizing individual development. One of its key responsibilities includes overseeing the publication of the annual college magazine.

Elections for the Student Council took place on November 8, 2022, resulting in the selection of Mr. Naeemu Rahman T N as Chairperson and Ms. Jesmary Ann John as Vice Chairperson. The official swearing-in ceremony and inauguration occurred on November 15, 2022, at RSET Central Lawn.

Regular council meetings were held to address student concerns and suggestions, leading to actionable outcomes. Notable events organized by the Student Council included a Christmas celebration on December 23, 2022, and a "FIFA Rally" on November 23, 2023, in conjunction with the FIFA World Cup Football 2022.

The biennial technical festival, Techkshetra 2022, was successfully hosted by the council on December 17, 2023. Additionally, in collaboration with the Arts Club, they coordinated the annual arts festival "Bharatham 2023" on May 10th, 11th, and 12th, comprising 27 performing arts competitions and 15 literary events.

Moreover, the Student Council, alongside the Sports Club, organized the "Ranabhoomi" sports and games event on February 3rd and 4th, 2023, and orchestrated Onam Celebrations on August 26, 2023, featuring competitions like the Onam Procession, Tug of War, Malyli Manga & Sreeman, AthaPookalam, among others. Additionally, a Farewell Day event, "YAADEIN," was held for the graduating class of 2023.

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

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

33

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

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

Each department has an alumni representative and co-ordinator. They are contributing significantly to the development of the institution through a handful of activities and other support services. Alumni often donate funds to their alma mater, whether through one-time donations, annual contributions, or setting up endowments. These financial contributions can support scholarships, research grants, infrastructure development, faculty support, and various other initiatives. Alumni associations provide platforms for networking among graduates, facilitating professional connections, mentorship opportunities, and career advancement prospects for current students and fellow alumni. Alumni frequently volunteer their time and expertise by serving as mentors, guest speakers, or advisors to students, faculty, and staff. They may offer guidance on academic and career matters, share industry insights, or provide assistance with research projects and internships.

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

5.4.2 - Alumni's financial contribution during the year

D. 2 Lakhs - 5 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT**6.1 - Institutional Vision and Leadership**

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

The Vision and Mission of our institution is stated as follows:

Vision: To evolve into a premier technological and research institution, moulding eminent professionals with creative minds, innovative ideas and sound practical skill, and to shape a future where technology works for the enrichment of mankind.

Mission: To impart state-of-the-art knowledge to individuals in various technological disciplines and to inculcate in them a high degree of social consciousness and human values, thereby enabling them to face the challenges of life with courage and conviction.

RSET(Autonomous)has a broad objective of being an active agent of change by responding to the needs and challenges of the times.This is achieved basically through the process of education, training and research. RSET materializes it's vision by effectively carrying out the mission by constituting various academic as well as administrative bodies. These bodies are formed by ensuring participation from various stake holders including academicians, industry experts, researchers, parents, alumni, faculty and students. A few committees constituted for streamlining the activities of RSET are: Governing body, Academic Council, IQAC, Ethics committee, Finance committee, Exam Cell and Student council.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.rajagiritech.ac.in/Home/aboutus/GB.asp

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

Rajagiri School of Engineering & Technology (RSET) - Autonomous, Kakkanad, Kochi, is a premier educational institution offering

excellence in engineering education and research. RSET (Autonomous) is an endeavour of the Sacred Heart Province of the Carmelites of Mary Immaculate (CMI) - the first-ever indigenous religious congregation for men in the Syrian Catholic tradition of Christianity in India. Heirs to the profound vision of St.Kuriakose Elias Chavara, one of the founding fathers of the congregation, the CMIs' have zealously worked towards providing value-based quality education to society at large, irrespective of religious differences, down the centuries. Heads of Departments conduct regular department meetings during which the requirements of the Departments such as Equipment, Laboratory materials, Books, Journals and others are discussed and brought out as requests with appropriate budget estimate. This is presented to the Head of the Institution who in turn takes it to the Management for further action. A meeting of the Heads of Departments is convened by the management, to ascertain the Annual Operation Plan (AOP), either in the beginning or at the end of the academic year meet for allotting budgetary provisions as per the requisitions from the departments. Thus, the college decentralizes the authority and provides operational autonomy to the committees. The HODs have been delegated the financial power to the tune of Rs. 25000/- for taking care of emergency situations and for consumables.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://www.rajagiritech.ac.in/Home/aboutus/Organogram.asp

6.2 - Strategy Development and Deployment

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

Academic retreats are organised every year to articulate the strategic plan. A detailed evaluation of the previous year activities are conducted and short term and long term goals are formulated for the progress of the institution. The implementation of the strategic plan is monitored by the Principal and the autonomous bodies.

RSET also offered a diverse range of certificate/diploma/ add-on courses. These supplementary programs are designed to empower students with specialized skills and knowledge in specific areas, complementing their primary education. With these additional offerings, RSET aims to create well-rounded professionals capable of thriving in various industries and adapting to the ever-changing demands of the job market. RSET initiates MoU with various institutes and industry.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.rajagiritech.ac.in/Home/stc/
Upload any additional information	View File

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.

Rajagiri School of Engineering & Technology (Autonomous) is an institution supported by the Sacred Heart Province of CMI, a religious congregation in India. The functioning of RSET is characterized by its well-established institutional bodies and efficient practices. The governing body, comprising 20 members including the Manager, Director, Principal, management representatives, senior faculty, industrialists, educationists, and university and government nominees, plays a crucial role in overseeing operations. The College Council, chaired by the Director and consisting of the Principal and five senior faculty members, supports the institution's overall functioning. The Finance Committee, provides advisory support for budgeting and auditing. The Principal is aided by the Academic Council, Vice-Principal, Deans, Heads of Departments (HoDs), Controller of Examinations, and Internal Quality Assurance Cell (IQAC). The Academic Council, with 22 members including the Principal, senior faculty, HoDs, university nominees, and experts, ensures the maintenance of instruction, education, training, research, and examinations. The UG, PG, and Research Deans, oversee academic and research activities. The institution's nine departments are led by eminent academicians, supported by dedicated faculty and technical staff. The Controller of Examinations along with his team prepares the examination calendar and manages the examination process. The IQAC operates in various segments. RSET exemplifies effective governance and efficient functioning

through its well-structured institutional bodies, ensuring the institution's smooth operation and development.

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.rajagiritech.ac.in/Home/aboutus/Organogram.asp
Upload any additional information	View File
Paste link for additional Information	https://www.rajagiritech.ac.in/home/aboutus/Principal.asp

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	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

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

RSET has effective welfare measures for both teaching and non teaching staff. RSET implemented a Staff welfare fund to assist staff members in their financial crisis. The financial aid will be made available in the form of welfare fund loan, with a nominal rate of interest. Induction programmes are regularly conducted by RSET in view of orienting the newly joining faculty members.

Programmes are organised in the institutional level as well as in department level for improving the quality of faculty intake. Immense opportunities are given to faculty members along with

financial aid for participating in various career advancement programmes in various other reputed organisations. Self-appraisal system existing in RSET monitors and assess the academic performance of faculty members and awards stage promotions and increments based on their competence. RSET provides a research friendly environment for all the budding researchers by setting up research promotion schemes and policies which help them to carry out their research work along with their teaching career. RSET also encourages faculty members to acquire Ph.D degree by granting sufficient study leaves and supporting the faculty members for availing lightly loaded options as mentioned in the staff policy.

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

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

0

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

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

25

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

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.)

128

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The institution follows a systematic procedure by following a two-tire audit. • Internal Audit • Statutory audit (External Audit)

Internal audit is conducted twice a year. They give early warning so that corrective measures are taken on time. External audits are conducted in accordance with the auditing standards generally accepted in India. These standards require that we plan and perform audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. The audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements.

The external auditor conducts the audit after the closure of the financial year. The auditor examines the books and records to form his opinion whether the Institute keeps proper books of account, he examines the Balance sheets. Separate external auditors are appointed for internal and statutory audits. An audit undertaken by the province is a management tool conducted by the in-house representatives. Major areas covered by the audit are: 1) Income:2) Payments: 3) Verification of assets and liabilities, and 4) Statutory payments are made on time and required returns are filed on time.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.rajagiritech.ac.in/Home/audited.asp

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)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	No File Uploaded
Any additional information	No File Uploaded

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

The institution maintains a favourable back up financial support for all the statutory and required activities to be conducted in the institution in an academic year. The budget requirements are handled by the Finance committee comprising of the Principal, a Senior teacher and a nominee from Governing body and University. This committee is the advisory body to the Director, to sanction the budget estimates. The major income for the institution is derived from student fees.

The institution also receives income from various research funding organisations to carry out innovative research.

Resource mobilization procedures in the institute:

- Head of the departments have been allotted regularly replenished amount which can be utilized for emergency requirements for the department.
- For all the chartered programmes organised under department/ institution is approved by the Principal/Director as and when it is required.
- Before the beginning of a financial year every department proposes an annual budget for the expected expenses in the

areas of lab/ course activities, research, infrastructure, library, training and travel, software licences, maintenance etc. which will be sanctioned following approval.

- Various technical activities are conducted through sponsorship from industry/ financial organisations.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.rajagiritech.ac.in/Home/audited.asp

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)

1. Preparation of Standardized templates and guidelines

The Internal Quality Assurance Cell (IQAC) has played a pivotal role in driving quality improvement initiatives across various areas. IQAC has worked on the development of guidelines that serve as essential frameworks for various academic processes. These guidelines ensure consistency, fairness, and effectiveness in areas such as workload distribution, faculty feedback system, retest procedures, assignment execution, class and course committee conduct, comprehensive course work assessment, and the execution of the final-year B.Tech. main project. By providing clear instructions and standardizing procedures, these guidelines enhance the overall quality of academic operations at RSET.

2. Creation and updating of various feedback surveys and automation of multiple tasks.

Moreover, the IQAC has been actively involved in the preparation and revision of various feedback questionnaires. These questionnaires play a crucial role in gathering valuable insights and perspectives from stakeholders such as students, faculty, and staff. By continuously improving and updating the questionnaires, the IQAC ensures the collection of meaningful feedback that can be utilized for faculty development, curriculum enhancement, and

overall institutional improvement.

The efforts put forward by IQAC for the addition and updation of various features in our inhouse software have brought about ease, efficiency, and convenience to various activities within the institution. Through its proactive involvement in these areas, the IQAC of RSET demonstrates its commitment to driving quality improvement, fostering a culture of transparency, accountability, and continuous enhancement within the institution.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rajagiritech.ac.in/Home/iqac/iqac.asp

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

1. Faculty Orientation Program and Academic Retreat -RIDHI 2022

Faculty orientation programme conducted on 21st July 2022 on the theme "How can you be an infectious Inspiring Teacher" aims to familiarize newly appointed faculty members with the institution's values, policies, resources, and academic culture, setting the stage for a successful and engaging academic journey.

The Academic Retreat - RIDHI 2022 was conducted from the 17th -26th August 2022. Highlighting the importance of Outcome-based education (OBE), the first day's session was on "Introduction to OBE" followed by sessions on CO Framing and CO-PO mapping, the sessions were handled by Dr. Umakanth P. Kulkarni, SDM College of Engineering, Dharwad. This was followed by a session on 'Design Course Learning Outcomes' and 'Effective Teaching Strategies to be Included in the Curriculum' handled by Dr. Edamana Prasad, IIT Madras. The second part of the retreat focused on the curriculum structure of RSET and a workshop on Background study & Curriculum Preparation was conducted by each department. On the last day a session on 'Talk on Student Engagement' was handled by Dr. Vijayalakshmi V., IITM, Chennai.

2. Academic Audits To ensure the adherence to quality standards and continuous improvement in academic practices, IQAC conducts regular academic audits twice within each semester. These audits

cover various aspects, including course files, class teacher files, and Head of Department (HoD) files.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rajagiritech.ac.in/Home/igac/newsletter.asp

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	https://www.rajagiritech.ac.in/Home/Magazine/Magazine.asp
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Five of the nine Heads of the Departments of the 9 B.Tech programmes offered by the institution are women. While electing the members of the student council it is made sure that two seats are exclusively reserved for female student representatives. In all the programs offered in RSET, 50% or more of the students are female. In all the clubs, it is ensured that there is equal

representation of female faculty coordinators. ICC was formed to prevent sexual harassment of women in RSET. RSET also has a gender equity cell which promotes gender amity amongst all. There are exclusive women's teams for basketball, badminton, chess, table tennis, tennis, handball, volleyball, kabaddi, netball and athletics which have won many accolades for the institution. All the corridors, classrooms and labs are under CCTV surveillance. There are security personnel deployed at all entrances and visitors' registers are maintained to track the entry and exit of visitors from outside the campus. There is a students' welfare office functioning in RSET which ensures the psychological well being of the students as well as the students' grievances. A separate restroom is provided for women in the medical centre facility on campus. Every floor of every building has separate washrooms for women. RSET has a full time female physical education instructor. There is a separate fitness centre for ladies. Separate common rooms facility are also provided for girls on campus. There are two common rooms exclusively for girls in the KE block of RSET.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.rajagiritech.ac.in/Home/igac/index.asp?strPathOnly=DSR/RSET%20HIGHLIGHTS/RSET%20%20VALUE%20ENRICHMENT%20ACTIVITIES/2022-2023/GENDER%20EQUITY%20CELL/

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

B. Any 3 of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

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

Solid Waste Management: RSET has a waste segregation unit in the

campus where the solid waste including plastic, paper and glass are collected and segregated. The collected paper and plastic are then pressed into cubes using a hydraulic press and are then disposed of. The glass is powdered using a glass crushing machine and then powdered glass is then reused in concrete and plastering. There is also a leaf crusher machine on the campus. All the dried leaves from the trees are collected and then powdered using this machine. This powdered leaf waste is then reused as organic fertiliser for the various plants and trees on campus. There is also a composting unit on campus, where the dried leaves collected from around the campus is mixed with cow dung, and the compost obtained is then used as organic fertiliser.

Liquid Waste Management: There are two Sewage Treatment Plants (STPs) functioning on campus. There is a 240kl unit available on the college campus and a 80kl unit in Sanjoe hostel. The sewage from campus and hostel are treated in these STPs and the treated water which is expelled from these STPs are then used for gardening.

E-waste management: E-waste from the campus including computers, printers, air conditioning units and other electrical and electronic equipment is recycled through a government recognized e-waste recyclers.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	View File
Any other relevant information	View File

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

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

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

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

B. Any 3 of the above

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

- 1. Green audit**
- 2. Energy audit**
- 3. Environment audit**
- 4. Clean and green campus recognitions/awards**
- 5. Beyond the campus environmental promotional activities**

C. Any 2 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

<p>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.</p>	<p>B. Any 3 of the above</p>
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File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	View File

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).

RSET is an endeavour of Carmelites of Mary Immaculate (CMI). Our education policy states that we aspire towards creating a just and humane society where the dignity of the human person is respected, where unjust social structures are challenged, where our cultural heritage of ahimsa, religious harmony and national

unity are upheld, and where the poor and the marginalized are specially taken care of.

RSET has always been open to diversity and working towards inclusiveness. This is reflected in the vast variety of students from various countries, religions, regions, and castes that are studying in the institution and is celebrated in the form of various festivals and days of national/international importance. Various activities which encourage the students to cultivate openmindedness and mindfulness are incorporated into the curriculum as well as carried out in the form of co- and extra-curricular activities.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

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

The B.Tech. curriculum is incorporated with mandatory non-credit courses such as Constitution of India, Professional Ethics and Life Skills which equip the students with the knowledge of constitution of India, the fundamental rights and duties of its citizens, develop life skills required in personal and professional life, develop an inclusive mindset and develop an understanding of professional ethics and human values. The institution has an Ethics Committee consisting of the Principal, senior faculty members and representatives from local administration. The institution celebrates days of national importance as well as regional festivals like Onam. Annual festival like Christmas is celebrated by all students across all religions in the institution. Institution conducts a Student Induction Programme (SIP) annually for the newly joined students of the institution. Universal Human Values (UHV) is a major part of the SIP and various themes like justice, liberty, equality, fraternity, human dignity and the unity are chosen for discussion. The institution also has an NSS cell which carries out various social and community activities. To inculcate the value of honesty in students, institution has an "honesty shop" which is an 'unmanned' stationery shop selling all necessary stationery items which the students and staff may purchase by depositing the listed price in a box kept on the counter.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

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

C. Any 2 of the above

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

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

RSET believes in organising and celebrating various commemerative days of national ans international ommemerative days and festivals. The following days have been celebrated by the various clubs/assoications/bodies/cells in RSET:

1. World Environment Day 2022
2. International Yoga Day 2022
3. Independance Day
4. Onam (harvest festival of Kerala) 2022
5. Engineer's Day 2022

6. IEEE Day 2022
7. Human Rights and World Philosophy Day
8. International Anti-corruption Day
9. Christmas Day
10. National Youth Day
11. National Youth Day & Birth Anniversary of Swami Vivekananda
12. Republic Day
13. International Day of Women and girls in science
14. International Women's Day
15. English Language Day
16. Mathematics Day
17. World Nature Conservation Day
18. World Entrepreneurs' Day
19. World Teacher's Day 2022
20. World AIDS Day 2022
21. Constitution Day 2022
22. Army Day 2023
23. National Girl Child Day 2023
24. National Voters Day 2023

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

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

Best Practice #1 Title of the Practice: Rajagiri Student Management System (RSMS)

Best Practice #2 Title of the Practice : Rajagiri Examination Automation System (REXA)

File Description	Documents
Best practices in the Institutional website	https://www.rajagiritech.ac.in/Home/igac/index.asp?strPathOnly=DSR/RSET%20HIGHLIGHTS/RSET%20BEST%20PRACTICES/2022-2023/
Any other relevant information	Nil

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)

RSET has long been committed to providing an enriching and holistic educational experience to its students. Recognizing the evolving demands of the modern job market and the need to foster well-rounded individuals, RSET has embraced the practice of offering add-on courses. These supplementary educational programs aim to complement the core academic curriculum, empowering students to explore diverse areas of interest and develop additional skills that go beyond their discipline. The practice of offering add-on courses reflects our dedication to nurturing not just competent engineers but also versatile professionals with a broader perspective on learning and life. These courses are designed to bridge the gap between theory and practice, equipping students with relevant industry skills and enhancing their employability. In this endeavour, RSET remains committed to maintaining the highest standards of academic excellence. As we continue to offer a diverse array of add-on courses, we encourage our students to seize these opportunities and embark on a path of continuous learning that transcends the boundaries of their chosen disciplines. Together, we aspire to shape future leaders who possess not only technical acumen but also a well-rounded set of skills, values, and experiences that empower them to make a positive impact on society.

File Description	Documents
Appropriate link in the institutional website	https://www.rajagiritech.ac.in/Home/igac/index.asp?strPathOnly=DSR/RSET%20HIGHLIGHTS/RSET%20DISTINCTIVENESS/2022-2023/ADD%20ON%20COURSES/
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

1. Strategic efforts to increase consultancy engagements and collaborations to drive innovation and real-world impact
2. Focused initiatives to expand research activities and secure funded projects for advancing knowledge and addressing pressing societal challenges.
3. Proactive endeavors are planned to strengthen industry collaborations, fostering mutually beneficial partnerships that bridge the gap between academia and real-world applications.
4. Focused efforts on strengthening the MoU based activities to foster strategic partnerships, knowledge exchange, and collaborative initiatives with external organizations.
5. Introduce finishing school activities to bridge the gap between formal education and employment, preparing students to enter the workforce with essential skills and professionalism.
6. Syllabus framing for the next academic year for the new curriculum introduced in 2023 which covers a)
Interdisciplinary Approach b) Industry Alignment c) Hands-on Learning d) Ethics and Social Responsibility e) Global Perspectives f) Entrepreneurship and Innovation g) Life-long Learning. The syllabus setting involves
 - Department-wise discussions for syllabus setting with the formation of internal and external experts
 - Meetings organized with internal subject experts along with external subject experts so as to formulate a proper syllabus
 - Feedback from industry experts and alumni regarding the syllabus