



SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

RAMCO INSTITUTE OF TECHNOLOGY

NORTH VENGANALLUR VILLAGE, KRISHNAPURAM PANCHAYAT,

RAJAPALAYAM

626117

<https://www.ritrjpm.ac.in>

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

January 2024

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Ramco Institute of Technology is founded with a vision to impart high quality engineering education at an affordable cost. Under the able guidance of our Chairman Shri.P.R.Venketrama Raja, son of Shri P. R. Ramasubrahmaneya Rajha; distinguished professionals, academicians and education experts, we continually aim to revolutionize the learning environment by creating an enviable knowledge pool of engineering and technology graduates who are attuned to the current industry requirements.

Being part of the Ramco Group, which is well known for its qualitative and innovative brands not only in India but across the world, we are looked upon to set high standards in the education sector. True to its legacy, RIT has embarked on a mission to empower students with high-quality, accessible yet world-class engineering education and prepare these young minds for lifelong learning by creating and disseminating appropriate knowledge.

Vision

To evolve as an Institute of international repute in offering high-quality technical education, Research and extension programmes in order to create knowledgeable, professionally competent and skilled Engineers and Technologists capable of working in multi-disciplinary environment to cater to the societal needs.

Mission

To accomplish its unique vision, the Institute has a far-reaching mission that aims:

- To offer higher education in Engineering and Technology with highest level of quality, Professionalism and ethical standards
- To equip the students with up-to-date knowledge in cutting-edge technologies, wisdom, creativity and passion for innovation, and life-long learning skills
- To constantly motivate and involve the students and faculty members in the education process for continuously improving their performance to achieve excellence.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

The public knows the institution by its brand name, RAMCO. The trustworthiness of the trust overseeing the institution's financial position.

Effective Functioning of the Governing Council from its inception and its contribution to the overall development of the institute. Transparent and good Governance in academics and administration.

The college attracts meritorious students from across the districts of Tamilnadu by the provision of extended support given by the management in terms of merit scholarships.

Highly qualified, experienced and competent faculty with Number of doctorates from premier institutions. Faculty members are given the opportunity to participate in a variety of training programmes intended for improving their proficiency.

The college is effectively practicing OBE.

Institutional Weakness

Lack of academic freedom to design and develop a course without having autonomy status

Shortfall to reach the national institutional ranking framework bandwidth in the engineering category

Marginal MNCs for placements with a higher CTC

Student and faculty members of Startup Eco System Development on campus.

Minor Improvements in Consultancy Projects Over the Years

Less number of admissions from other state. Lacking of student diversity

Institutional Opportunity

Utilizing the services of distinguished alumni members for better placement, career guidance, and entrepreneurship promotion.

Providing scholarships for research scholars enrolling via the institute's research centres, both part-time and full-time

Engaging students in extension activities with the institute's NSS and UBA units to achieve holistic development

Enhancing the effectiveness of industry interaction through the institute industry/institute interaction cell

Having the potential to develop infrastructure (like Amenity Centres) in a phased manner and improve the index of student satisfaction

To increase the number of PhDs and reach 60% in due course of time

Commercialization of in-house developed products

Engaging adjunct faculty from industry across all domains

Institutional Challenge

Admission for non-CSE/IT branches.

Student internships in public sector industries

Expectation of students i.e higher CTC in the entry level itself.

Attracting core engineering company placements catering to all domains/international placements

Recruiting and retaining competent faculty in the emerging areas

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

We have system for effective curriculum planning and delivery through a well-planned and documented process includes

- Preparation of academic calendar and course file,
- Allocation of subjects based on competency,
- Identification of curriculum gap from various stake holders and implementation with university integration and approval
- Setting of objectives (CO,PO,PSO), target and mapping,
- Delivery of content with outcome by active, passive learning methods, and innovative practices,
- Collection of periodic feedback reviews from various stake holders, DRM, CAC, and CCM, course committee meetings, course exit survey, and program exit survey etc,
- Mentoring of students.

For institutional-level continuous internal evaluation, through

- preparation of Internal examination schedule with hall allocation, invigilation duties, and squad duties,
- preparation fo question paper based on the given format and using the revised Bloom's Taxonomy Level with CO and performance indicators,
- auditing of Question paper by external experts, Conducting of central evaluation with scheme of evaluation.
- Assessing of Laboratory courses, project work, and internships regularly, project review by Industrial experts with rubrics
- The students' marks in the direct assessment (Internal Assessment Tests) and indirect assessment (Assignments / Tutorials / Quiz / Mini-project / Case studies) are recorded in the enterprise resource planning portal for the university portal entry and course attainment calculation.
- Analysis of attainment, outcomes, continuous improvement
- Displaying of the university examination schedules in the notice board, Academic audit, ISO audit for quality checking.
- Number of value added courses and online MOOC programs like NPTEL, Online courses where

students have benefitted is 758

- 2933 students have done NPTEL, online course and value added courses (more than 30 hours)
- For the academic year 2022-2023, 754 students have undertaken the projects and internship.
- Feedback collection from various stake holders (students, faculty members, alumni, parent, employer), feedback analysis, action taken and communicated to the relevant bodies and same is available in the website.
- To integrate cross-cutting problems including gender, the environment and sustainability, human values, and professional ethics, the institute has provided variety of courses to the curriculum.

Teaching-learning and Evaluation

Student Enrolment and Profile:

- Anna university/ AICTE admission norms/Institution admission is followed.
- For reservation, the TNEA policy is followed.
- Scholarship schemes are given the Management for the meritorious students
- Employees of Ramco groups are given fees waiving for their wards admission.

Catering to Student Diversity

For advanced learner

- Mentorship for Competitions
- Project based learning
- Specialized and activities
- Professional Engagement

For Slow Learners

- Customized study Material
- Active Learning Techniques
- Interactive learning, Additional classes, Special Classes & peer learning
- Improvement tests

Teaching-Learning Process

- Student Centric Methods such as Experiential learning, Participative Learning, Project based Learning and Problem Solving Methodologies are followed for effective TLP
- Teachers regularly use various ICT tools during TLP:
- For Video Conferencing and teaching purposes the faculty use Zoom and Google Meet.
- Faculty members are completing IUCEE courses to expertise in TLP

Teacher Profile and Quality

- Maintaining the student faculty ratio as per the norms

- High profiled teachers with PhD and pursuing PhD faculty are available
- Adjunct faculty members from IIT and NIT are appointed as Adjunct professor and supporting the department in terms of TLP, Evaluation, Department development, Professional development, Research /proposal and getting funds etc.,

Evaluation Process and Reforms:

- 2017, 2021 Anna university regulation is followed
- Examination Control Office (ECO) holds the responsibility of conduction Internal and external examinations.
- Internal Assessment Test (IAT) and Continuous Internal Assessment Test (CIAT) are followed as per Anna University regulation.
- The question paper mapped to Cos, Bloom's Cognitive Level and Performance Indicator
- The performance of the test is analysed during the class committee meeting, department review meeting and college academic committee meeting.
- The corrective actions are planned accordingly for each subject in order to improve the performance.
- Well defined redressal mechanism is established in ECO. Issues of the students are addressed properly to the concerned in charges and solved.

Student Performance and Learning Outcomes

- The evaluation is designed to measure the attainment of COs, POs and PSOs.
- COs specify the learner level and outcomes are expressed as knowledge, skills and attitudes.
- Key Competency Factor is used to CO-PO- PSO mapping in 1 to 3 level scales.

Research, Innovations and Extension

Research promotion

- Well established Research and Development Policy
- Research Incentives for Journal, conference, book and book chapter publications and funded projects
- Procurement of Research Equipment and Software
- Financial support for faculty members to enhance their competency level
- Organizing workshops and seminars on research methodologies
- Product Development Centers were established
- Proposed to give institute Fellowships for Full-time research scholars
- Exclusive R&D budget

Resource Mobilization for Research

- 7 recognized Anna University research centres
- 29 Anna University Research Supervisors
- Received 34 minor and major research projects worth of Rs. 1.16 crore
- Received DSIR – SIRO certification
- Research progress is monitored through Research Scholar Progress Monitoring Committee (RSPMC)

Innovation Ecosystem

- Approved RIT Innovation and Entrepreneurship Policy (RIT-IEP)
- Approved MSME incubation host center for idea submission
- 11 ideas from first two editions received a fund grant worth of Rs.1.36 crores
- Provision of registration fee for patent filing
- Creating awareness programs/workshop/seminars through IPR and entrepreneurship cell
- 7 patents Granted
- 74 patents filed and published
- 15 copyright registered
- 1 industrial design

Research Publications and Awards

- Institute Scopus h-index: 30
- Number of Publications during 2013-2023: 514 (Scopus as on 09.1.24)
- Number of Publications since 2018: 459
- Total number of Citations: 3478
- Average Citation index: 6.76
- Average Impact factor: 3.49
- Number of Papers with minimum 10 SCOPUS citations: 99
- Research paper with highest SCOPUS citations: 112
- Highest impact factor of the journal: 10.696 (This journal current IF: 11.7)

Consultancy

- Well-established consultancy policy including revenue sharing is available for faculty members, staff members and students
- Revenue is generated through Industrial consultancy projects, testing and training

Extension Activities

- Extension activities are carried out through RIT - NCC, NSS, YRC and UBA
- Promotes the advancement of community services in the 5 adopted villages
- Received award and funding for extension activities: JAL SHAKTHI ABHIYAN, RAKSHIN PROJECT by SAKSHI 2020, and Rs. 1.75 Lakhs from UBA
- Founded 5 NGO

Collaboration

- Constituted Institute industry/institute interaction cell
- 38 functional MoU's
- Students get benefits like attending guest lectures, industrial visits, internships, final year UG projects, skill enhancement trainings, and placements.
- Faculty members enhance their technical competence through industrial visits and industrial training

Infrastructure and Learning Resources

The campus has been well-equipped with infrastructure that has effectively supported the institution's

expansion. Six months prior to the start of courses, the use of current facilities is scheduled, potential new facilities are investigated, and backup solutions are developed promptly. Adequate classrooms, furniture, teaching aids, faculty rooms and rest rooms maintained hygienically are provided to support a positive teaching- learning environment. The campus is technology-enabled with a 1200Mbps, 260 CCTV Surveillance points, 24/7 Wi-Fi connectivity through 180 campus wide access points both academic and hostel premises.

Over the past five years, the institution has made significant additions to its facilities,

- To prepare students to work in a technology enhanced world, upgraded the computing facility with internet and Wi-Fi connectivity worth of Rs.1.25 crores. Computer laboratories and departments have specialised software for effective teaching and research. A digital learning centre is being designed to enhance learning and teaching abilities. This centre will focus on recording, editing, and uploading lectures to the educational social networks and Learning Management Systems.
- To develop high-quality infrastructure for research i) Upgraded existing laboratories with improved physical infrastructure at a cost of Rs.735.25 lakhs; Purchase of sophisticated equipment worth Rs.473.31 lakhs; Upgradation/installation of software to the tune of Rs.73.07 lakhs and ii) established industry supported laboratories such as Tessolve Semiconductor Test Engineering lab, Medsby Innovation Centre, NI Lab View Research Lab, Yaskawa Robotics Education Cell, CoE for BIM Lab, ICT Academy CoE for Design powered by Autodesk and MSME Innovation Center/Engineering Learning Workspace.
- Existing student amenities facilities upgradation is in progress worth of Rs.4.00 crore, such as a yoga centre and medical centre consisting of a clinic, pharmacy, nurse station, ward, and waiting room. Sport facilities were established with worth of Rs.94.32 lakhs.
- RIT landscaping (22.95 acres) upgrade progress such as nursery development, practices of silviculture (planting, weeding and pruning works) in which around 3500 seedlings planted in the playground and amenity centre area, solid waste management for composting which is used for the plants, dairy farm maintenance and creation of percolation ponds for recharging the ground water.

Student Support and Progression

- In the realm of student support, the institution demonstrates a commitment to financial aid, showcasing the percentage of students benefiting from scholarships and freeships from various sources over the past five years.
- Additionally, the institution focuses on holistic development through capacity-building activities, encompassing soft skills, language and communication skills, life skills such as yoga and physical fitness, and ICT/computing skills.
- The institution's dedication to student progression is evident through the provision of guidance for competitive examinations and career counselling, emphasizing the percentage of students benefiting from these services in the last five years.
- Notably, the institution employs a multifaceted approach to address student grievances, including sexual harassment and ragging cases, involving regulatory compliance, awareness initiatives, and efficient grievance redressal mechanisms.
- Students are also part of committees such as IQAC, PAQIC, DAC, and other mandatory committees and cells. Professional bodies, student forums, and clubs provide students with the opportunity to participate in a wide range of co-curricular, extra-curricular, social, and community development activities. Fully committed NSS, NCC, Rotaract, women Development cell, etc. are in place.
- The Training and Placement Centre, Career Guidance Cell, Entrepreneurship Development Cell, and

Industry Institute Interaction Cell help students achieve their goals.

- Alumni engagement is emphasized as a key aspect, with the institution tracking the percentage of placements and students progressing to higher education over the past five years.
- Furthermore, achievements in academic examinations at various levels, coupled with awards and medals in sports and cultural activities at different levels, highlight the institution's dedication to fostering well-rounded student development. The average participation in sports and cultural programmes reflects a vibrant extracurricular landscape, contributing to the overall student experience. Every year, the best outgoing students [from each department and overall institute] are recognised and awarded.

Governance, Leadership and Management

Research promotion

- Well established Research and Development Policy
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Institutional Values and Best Practices

GENDER EQUITY

- Inaugurated Prevention of Sexual Harassment (RIT-POSH) cell in association with Centre for Women Welfare Safety and Progress (CFWWSAP).
- The cell consists of executive members from the faculty and students.

ENERGY CONSERVATION MEASURES

- To conserve energy in our campus, Energy Conservation Quality Circle (ECQC) has been formed in our institute.
- The main objective of the ECQC is to reduce the electricity consumption without compromising the comforts and need.

MANAGEMENT OF DEGRADABLE AND NON-DEGRADABLE WASTES

- Sustainable design features and practices are followed in order to build and maintain a green campus.

- Biodegradable wastes are collected and treated organically to convert them into composts.

WATER CONSERVATION FACILITIES

- The institute has implemented rain water harvesting system in the all the academic blocks and hostels.
- Conservation Measures proposed includes: (i) Roof Top Collection and (ii) Storage Ponds.

GREEN CAMPUS INITIATIVES

- More than 10,000 plant saplings have been planted in and around the campus to maintain its green landscape and foliage.
- The Miyawaki method of afforestation is already in practice in our campus.
- The usage of plastics in the campus is generally less.
- Paper wastage is avoided through ERP system of accounting in the office.

DIVYANGJAN-FRIENDLY, BARRIER FREE ENVIRONMENT & FACILITIES

- Policy document for the differently-abled
- Built-in Environment with Ramps/Lifts

INCLUSIVE ENVIRONMENT

- Celebration of commemorative days, events such as National Unity Day.
- Awareness programs and rallies on tolerance, harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities

SENSITIZATION OF STUDENTS AND EMPLOYEES TO THE CONSTITUTIONAL OBLIGATIONS

- Celebration of National Constitution Day
- Awareness Programs on Social Justice and constitutional rights/law

HUMAN VALUES AND PROFESSIONAL ETHICS

- Code of ethics policy document for staff of RIT
- Code of conduct for students

BEST PRACTICES AND INSTITUTIONAL DISTINCTIVENESS

- NGOs to Promote Humanity, Self-responsibility and Social Concern
- Green Initiatives to Promote Eco-friendly Campus
- IIT PALS Initiative to enhance & promote engineering education, technical skills and experience of the students.
- RIT Scholarship for Meritorious students to encourage academic success and enhance placement and career prospects.
- Industry-powered Laboratories to partner with industries on society-based projects for the benefit of industries and society at large.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	RAMCO INSTITUTE OF TECHNOLOGY
Address	North Venganallur Village, Krishnapuram Panchayat, Rajapalayam
City	Rajapalayam
State	Tamil Nadu
Pin	626117
Website	https://www.ritrjpm.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	L. Ganesan	04563-233404	9489634782	04563-233499	principal@ritrjpm.ac.in
IQAC / CIQA coordinator	S. Rajakaruna karan	04563-233415	9865312352	04563-233499	vp@ritrjpm.ac.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	

State	University name	Document
Tamil Nadu	Anna University	View Document

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	03-06-2021	View Document
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	15-05-2023	12	
AICTE	View Document	15-05-2023	12	
AICTE	View Document	15-05-2023	12	

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

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	North Venganallur Village, Krishnapuram Panchayat, Rajapalayam	Rural	22.95	92875

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/ Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Civil Engineering,Civil Engineering	48	HSC or Diploma	English	60	43
UG	BE,Computer Science And Engineering,Computer Science And Engineering	48	HSC or Diploma	English	120	120
UG	BE,Electrical And Electronics Engineering,Electrical And Electronics Engineering	48	HSC or Diploma	English	60	60
UG	BE,Electronics And Communication Engineering,Electronics And Communication Engineering	48	HSC or Diploma	English	120	120
UG	BE,Mechanical Engineering,Mechanical Engineering	48	HSC or Diploma	English	60	58
UG	BTech,Artificial Intelligence And Data Science,Artificial Intelligence and Data Science	48	HSC or Diploma	English	120	120
UG	BTech,Comp	48	HSC or	English	60	60

	uter Science And Business Sys tems,Comput er Science and Business Systems		Diploma			
UG	BTech,Infor mation Tech nology,Infor mation Technology	48	HSC or Diploma	English	60	60

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Soci ety or Other Authorized Bodies	8				18				100			
Recruited	6	2	0	8	12	6	0	18	51	49	0	100
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				196
Recruited	111	85	0	196
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				47
Recruited	40	7	0	47
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	6	2	0	12	6	0	15	11	0	52
M.Phil.	0	0	0	0	0	0	2	0	0	2
PG	0	0	0	0	0	0	34	38	0	72
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

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

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	4		1		5

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	359	3	0	0	362
	Female	291	0	0	0	291
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Category		Year 1	Year 2	Year 3	Year 4
SC	Male	14	16	9	8
	Female	8	10	4	0
	Others	0	0	0	0
ST	Male	1	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	327	126	66	113
	Female	208	221	130	76
	Others	0	0	0	0
General	Male	18	15	9	12
	Female	13	13	9	4
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		589	401	227	213

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	As an affiliated college, Ramco Institute of Technology (RIT) adheres to the Anna University (AU) curriculum. The prospect of expanding the array of multidisciplinary and interdisciplinary courses is under consideration, especially after achieving autonomous status. The college plans to implement the “Conceive Design Implement Operate (CDIO)” concept for curriculum development. The CDIO's essential feature is that it creates dual impact learning experiences through the usage of modern pedagogical approaches, new learning experiences and innovative teaching methods. Therefore, learning becomes imparted in personal and interpersonal skills, product, process, and system building skills.
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	<p>Despite its status as an affiliated institution, RIT encourages students to actively engage in multidisciplinary projects. Our students have participated in the national level project competitions such as IITM PALS innoWAH!, Intech Olympiad, ISIE Electric Solar Vehicle Championship (ESVC), Saur Urja Vehicle Championship (SUVC), E-BAJA SAE, BAJA SAEINDIA, SAE Self Driving Car Challenge, SAEISS Bicycle Design Competition, Mini Tractor design, and All Terrain Vehicle, etc. Participating in these competitions our students have earned cash prizes and awards. The AU-R 2021 curriculum features a choice-based credit system allowing students to pursue a full six-month industrial internship during their 7th or 8th semester. Collaborative agreements, through MoUs, with reputable industries and institutes further facilitate these multidisciplinary internship opportunities for students. The college actively promotes an interdisciplinary approach to learning, emphasizing the broadening of students; knowledge horizons. This is achieved by: (i) The 6th and 7th semester students can choose emerging technology Open Electives from departments outside their own, (ii) Interdisciplinary Mandatory courses in areas such as gender studies, literature, yoga, traditional medicines, history of science, industrial safety, and disaster management are offered to 5th and 6th-semester students, (iii) Additionally, several soft skill programmes are offered to enhance capacity building of the students in domains of computing, language proficiency, and personality development in interdisciplinary contexts. Moreover, computer, electrical, and mechanical students are encouraged to diversify their skill sets through courses like Principles of Management, Machine learning, and Python programming, respectively. The NEP seminar is also organised for students and faculty members, and they are encouraged to participate in outside college events. They are also provided opportunities to attend NEP-related mini-courses, namely social emotional learning, clean and green energy, and leadership and sustainability, offered by IUCEE, one of our MoU-signed organisations.</p>
2. Academic bank of credits (ABC):	<p>Our institute submitted an application form in the UGC portal on June 28, 2023, for autonomous status. After getting autonomous status as per affiliation</p>

	<p>university norms, the implementation of the Academic Bank of Credits (ABC) may be considered. The importance of ABC was shared with all our stakeholders as per the AICTE instructions. To avail the facilities provided by Academic Bank of Credit, motivating our students to pursue open/distance learning courses or online courses under SWAYAM, NPTEL, V-Lab.</p>
<p>3. Skill development:</p>	<p>Our students from various academic backgrounds are being supported and guided by their co-curricular activity coordinators to grow professionally and meet the demands of society. Some of the notable outcomes are: i) The students of RIT from the Dept. of Mechanical Engineering competed in the national level India Skill Competition 2021 for two categories like mechatronics and robot system integration skills and won the bronze medal (includes cash prize of 50,000) by the students R. Dinesh and Soumya Sovik Khundia in the Robot Systems Integration category in New Delhi and received a cash prize of Rs. 25,000/- from the Tamil Nadu Chief Minister. This year, our students are participating in 12 categories- Mechatronics, Robot System Integration, Additive Manufacturing, CAD, CNC Milling, CNC Turning, Renewable Energy Resources, Refrigeration and Air Conditioning, Welding Technology, Mobile App Development, Autonomous Mobile Robotics and Web Technologies. In this regard, the mentors attended the skill-specific webinars on “India Skills Competition 2023–24 organised by the National Skill Development Corporation (NSDC) on December 29, 2023. RIT management supports all student and faculty participation in all aspects with financial support. ii) The students of RIT from Dept. of Computer Science and Engineering competed in the Smart India Hackathon 2022 grand finale and won Rs. 1,00,000/- for providing the best solution to the Department of Empowerment of Persons with Disabilities, Ministry of Social Justice and Empowerment for the problem statement “Comprehensive tools to edit the pdf and convert into epub format”. In this regard, the mentors attended the Smart India Hackathon 2022 organised by the Union ministries of education, India on September 25th & 26th, 2022. Our students M.Jothilingapandian and M.GowthamKarthikeyan won Jury Award for Promising solution with cash prize of Rs.25,000/- in</p>

	<p>HCL HACK IITK – Cybersecurity Hackathon organized by IIT Kanpur. This year, 2 batches of our students competed in the Smart India Hackathon 2023 and one of the batch won I prize with Rs.50,000/- Cash for the project titled Udyog Saarthi App - (Progressive Web-based Application) for Adults undergoing Job coaching for opportunities under 4% reservation in NIEPMD and other Institutions conducted during December 19th & 20th, 2023. RIT management supports all student and faculty participation in all aspects with financial support.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>Following the footsteps of Government of India’s National Education Policy 2020, one of the key reforms in the educational system of Modern India, our college prioritizes the values proposed by NEP 2020 in its curriculum as well as extracurricular activities and imparts Indian Knowledge System (IKS) through various programs. One of the key objectives of ‘promoting multilingualism and the power of language in teaching and learning’ by NEP, the emphasis is given on the vernacular language in the curriculum as per affiliating requirements. In order to fulfill the sustainable development goal no. 5, ‘Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all’, and to impart the rootedness and pride in India, and its rich, diverse, ancient and modern culture and knowledge systems and traditions among the younger generation, a mandatory and credit based course of ‘Heritage of Tamils’ has been introduced in the curriculum. Another course of ‘Tamils and Technology’ has also been introduced to understand the Ancient Indian Knowledge System as per the Anna University 2021 Regulations. A language teacher has been specially appointed for imparting this knowledge in the college. In addition to these, other mandatory courses such as ‘History of Science and Technology in India’, ‘Well Being with Traditional Practices - Yoga, Ayurveda and Siddha’, ‘State, Nation Building and Politics in India’ and ‘Elements of Literature’ are also made mandatory to learn. The IKS is also covered during Student Induction Program. Holistic education is achieved only when languages, arts, and culture are taught in the college in addition to the regular technology based curriculum. In order to respect the diversity</p>

	<p>and the local context in all curriculum and pedagogy, extracurricular clubs such as ‘Tamil Mandram’ was also initiated and actively work to inculcate experiential learning through the programs such as elocution, essay writing, debates, poetry, storytelling etc., in vernacular language. As quoted in NEP section 22.8., to foster knowledge in music, a Music Club has been initiated to teach traditional Indian music by using instruments such as ‘Tabela’. In addition to these, the college periodically conducts various programs such as online webinars/seminars related to both NEP and IKS to spread ancient knowledge and traditions. As an example, a seminar on ‘Maaperum Tamil Kanavu’ was held to spread the ancient history to the local community particularly school students. Faculty members and students also written book chapters on the theme of IKS to spread the ancient knowledge to the community. By joining hands with Department of Social Welfare, RIT conducts various awareness programs related to IKS.</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>The academic reputation of the RIT was established by implementing outcome-based education (OBE) from the inception of our institute. The institute follows standard, structured, and transparent academic processes and procedures to implement the OBE-based teaching, learning, and assessment process. "Outcome-based education" (OBE) mentions to a form of teaching in which the desired outcomes of the programme are defined in terms of the knowledge and competencies that students should have at graduation. The academic process of effective teaching and learning is in alignment with Bloom’s taxonomy. To ensure effective content delivery, various active learning methodologies are adopted, and our faculty members are getting national and international-level certification for teaching and learning. In examination process, the reputation is achieved at every stages. To enhance the standard of Internal Assessment Test Question papers, an audit will be conducted at the end of every semester by inviting the external expert members. The audit report will be prepared and circulated to the departments concern for the improvement in the upcoming semester. The direct and indirect assessment techniques are adopted to ensure that the assessment process is in alignment with effective</p>

	<p>implementation of OBE. The feedbacks of various stockholders are also incorporated in the academic system in order to ensure the continuous improvement in the academic system. In order to ensure the transparency in the assessment and evaluation, in RIT central valuation is being practiced along with dummy number system in Internal Continuous Assessment Tests. The approved answer key and scheme of evaluation will be considered as the mandatory documents for central valuation and the valued paper will be randomly verified by the HoDs/Chairman of the board concerned. As a result of well good academic system, our students are regularly receiving Anna University ranks. This rank is announced among all the affiliated institution in Tamilnadu. We received 25 University holder ranks in the last 5 years. Similarly, our institute performs well in the Anna University examinations with good pass percentage. Due to this, our institute holds top academic position in various Anna University examinations. This University rank by the students and academic position by the college clearly shows the level of high reputation of the institution. It is also noted that, right from the inception of the college there are 2269 students have studied, among them 2259 students have been graduated i.e. 99.56% of students who studied in RIT have graduated. Further, the graduation percentage in also good in every individual year. In addition to the academic performance, RIT gives has a very good placement percentage in last few years i.e, 2017-18 – 75%, 2018-19 – 76%, 2019-20 – 79%, 2020-21 – 94% and 2021-22 – 97%. At the outlook, the institute is consistently performing good in academics which gives good academic reputation. As an indication of our institution’s academic reputation, four of its branches (60% of the eligible departments) are accredited by NBA, and the institute has received NAAC accreditation and ISO 9001-2015 certification (Third Cycle).</p>
6. Distance education/online education:	<p>As of now, as an affiliated institution, we do not have the authority to offer any kind of distance / online education. After obtaining eligibility to offer distance / online education, it will be considered based on the feedback from our stakeholders. We are motivating our students to do Massive Open Online Courses (MOOCs) through platforms like NPTEL, edX,</p>

Coursera, Udemy, etc. Without violating the affiliation norms, we are continuously motivating the students to do the certification programme, diploma, or post-graduation diploma offered by government organisations / overseas universities as a part of self-learning and continuous learning. It will certainly be helpful to the students to improve their competency in their discipline and get good-quality placements for their professional careers..

Institutional Initiatives for Electoral Literacy

<p>1. Whether Electoral Literacy Club (ELC) has been set up in the College?</p>	<p>Yes. Electoral Literacy club has been established in the Institution in 2022. The main objective of the club is • To involve and engage the students to educate their voting rights by conducting various programmes. • To create awareness to first time voters. • To familiarize the polling registration and voting processes.</p>
<p>2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?</p>	<p>• Yes. Student Coordinators and Faculty coordinator are appointed by College. • ELC's are functional. • ELC's are representative in character.</p>
<p>3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.</p>	<p>The following are initiatives undertaken by ELC of the Institution • Wall Magazine-cum poster making competition (07.10.2022) As a part of voter awareness programme Wall Magazine-cum poster making competition was conducted under the theme "My Vote is my Right-Power of One Vote" . • As a part of Student induction Programme, a talk was given by student coordinator of ELC regarding the objective and importance of the electoral rights, electoral process, registration and voting and it was followed by quiz. (29.10.2022) • Song Competition (14.11.2022) To create awareness among students regarding electoral rights, song competition was conducted by ELC "My Vote is my Right-Power of One Vote". • New Voter Registration/Correction (29.11.2022) A Special camp was organized for enrolling young voters who have completed 18 years. • National voter's day (25.01.2023) National Voter's Pledge was administered the teaching, non-teaching staff and students. Staff and students made a commitment to uphold our Nation's democratic</p>

	traditions and the dignity of free and peaceful elections without caving into pressure from any source, including religion, race, caste, community or language.
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	<ul style="list-style-type: none"> • Rotaract Club of RIT conducted National Youth Parliament Scheme: Youth Parliament Session (Tauran Sabha) on 27.06.2022 and 15.11.2022. • Indian Constitution Day was celebrated by NSS on 24.11.2022. • Students of the Institution actively participated in programmes / competitions conducted by ELC through ECI and won prizes. • It is planned to do research projects and publications in advancing democratic values and electoral processes.
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	<ul style="list-style-type: none"> • Pledges and awareness campaigns are used to instill in students above the age of 18 the value of being registered voters. • ELC offers the same camp every year. • Importance of election and voting rights are created among students by disseminating awareness posters.

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1569	1235	1107	1251	1467

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 129

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2.2

Number of teaching staff / full time teachers year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
104	107	94	97	97

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
1018.706	682.059	522.7096	943.3798	1133.434

File Description	Document
Upload Supporting Document	View Document

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

a) Effective curriculum planning and delivery through a well-planned and documented process includes:

1. An academic schedule is prepared based on the university calendar.
2. Allocation of the subjects to the faculty is done based on qualification, area of competency, experience, and willingness.
3. Course files are prepared and maintained by the faculty as per ISO guidelines.
4. Each department has a set of framed objectives for its curriculum and has deployed various mechanisms like DAC and PAQIC meetings to ensure progress, along with CO, PO, and PSO mapping and course target attainment settings.
5. Revised Bloom's Taxonomy is effectively utilized along with knowledge categories to structure and assess learning outcomes to ensure the OBE.
6. Knowledge acquisition by the faculty members through FDPs, workshops, online courses, etc. helps to deepen the students' knowledge through content delivery by using passive learning, active learning, and project based learning.
7. Faculty members adopt different techniques like assignments, collaborative learning, NPTEL lectures, case studies, projects, surveys, quizzes, field trips, etc.
8. Based on curriculum gap identification, content beyond the syllabus was planned and executed through Guest Lectures, Industrial Visits, Workshops, Value-Added Courses, Internships, Innovative Projects, Online Courses, and other activities.
9. Mentoring students on academic and personal issues has created a better learning atmosphere that sustains their performance.
10. Periodic reviews are carried out through students' feedback, DRM, CAC, and CCM, course committee meetings, course exit survey, and program exit survey to improve the teaching-learning process.
11. The study materials for the theory course, laboratory course, and lab manuals are available to the students in LMS platforms.
12. To improve the students' abilities and ensure participation, innovative practices are followed during the class hours and updated on the college website.

b) The following preparatory activities are included in the institutional-level continuous internal evaluation:

1. Internal examination schedule is prepared with hall allocation, invigilation duties, and squad duties to ensure zero malpractice.

2. Based on the given format and using the revised Bloom's Taxonomy Level with CO and performance indicators, the internal and external faculty members prepare the question papers, and the same are audited by external experts.
3. The answer scripts are collected and distributed for central evaluation with three-day duration.
4. Laboratory courses, project work, and internships are all evaluated and assessed on a regular basis.
5. Industrial experts are invited to review the final-year project to ascertain its innovativeness and efficacy.
6. The students' marks in the direct assessment (Internal Assessment Tests) and indirect assessment (Assignments / Tutorials / Quiz / Mini-project / Case-studies) are recorded in the enterprise resource planning portal for the university portal entry and course attainment calculation.
7. The university examination schedules for both practical and theoretical courses are displayed in the notice board, which may include the action and schedules to be followed during or after any natural calamities.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.2 Academic Flexibility

1.2.1

Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

Response: 343

File Description	Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

1.2.2

Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

Response: 44.28

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five

years

2022-23	2021-22	2020-21	2019-20	2018-19
583	494	454	558	846

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.3 Curriculum Enrichment

1.3.1

Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum

Response:

To integrate cross-cutting problems including gender, the environment and sustainability, human values, and professional ethics, the institute has added a variety of courses to the curriculum. While some of these courses focus on professional competencies, others aim to inculcate general competencies such as human values, social and ethical values, environmental awareness, etc., so that students can develop holistically.

- **Professional Ethics:** All students take a course on "Professional Ethics in Engineering" (GE 6075) as part of their curriculum. This will provide the student with the opportunity to learn about global challenges, moral leadership, a code of behavior, loyalty, and respect for the rights of others. Two Mechanical Department faculty members finished the NPTEL online course "Ethics in Engineering Practice."
- **Gender:** Participation in extracurricular activities including group talks, technical quizzes, paper presentations, and paper contests is encouraged for both boys and girls. Because both genders have equal opportunities for all types of activities.
- **Human Values:** The NSS unit, in association with the Government Hospital and the Rajapalayam Rotary Club, organised an annual "Blood Donation Camp". The non-governmental organizations at our campus regularly visit and donate to the local orphanages. Various awareness program such as "Women Safety", "Menstrual Hygiene Programme", "Prevention of Sexual Harassment at Work Place", "Understanding Women's Health," "Nourish to Flourish-Healthily" were organized by the Centre for Women Welfare. The Centre for Women Welfare, Safety and Progress RIT Rajapalayam, in collaboration with the National Commission for Women, conducted a one-day skill development training programme for housewives who wish to work for themselves on November 5, 2022. On April 27, 2023, our college's NSS unit held the "Awareness Programme on 181." For this programme, Mrs.Christy, Sub Inspector of Police, Rajapalayam, served as a resource. AICTE_UHV-I was finished by 53 faculty members, and AICTE_UHV-II was

completed by 11 faculty members.

Environment and Sustainability:RIT is recognized as an official signatory of an internationally acclaimed ‘The SDG Accord’. Our college ranks as No.51 across India in the Green Institutional rankings 2022 and A+ with diamond Institutional band in 2023. RIT was honored with “Green Award” by TN pollution Control board in 2019. All Students are studying the subject Environmental Science and Engineering (GE8291& GE 3451). On behalf of world Environment day online competition on the topic “ Ecosystem Restoration”a field trip to Ramco Ecopark in Panthalkudi, webinar on “Sustainable Practices” was conducted to students. Awareness programmes are also initiated by NSS and ECO Club which extensively carry out activities like tree plantation, waste management for environmental awareness, protection and ecological preservation. As per the direction of AICTE, Jal Diwas Event was celebrated on 22.072019. Four events were conducted for students on the theme, “Water Conservation and Rain Water Harvesting”. Events: Poetry Competition, Painting Competition, Photography event and Plantation Drive within the college campus. We are having rubrics to assign marks for the project benefiting the environment and sustainability. Program Outcomes PO7 of our college insists on Environment and sustainability.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.3.2

Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 35.63

1.3.2.1 Number of students undertaking project work/field work / internships

Response: 559

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.4 Feedback System

1.4.1

Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website

Response: A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	View Document
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	View Document
Action taken report on the feedback analysis	View Document
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 72.05

2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2022-23	2021-22	2020-21	2019-20	2018-19
590	401	227	215	253

2.1.1.2 Number of sanctioned seats year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
660	420	420	420	420

File Description

Document

Institutional data in the prescribed format

[View Document](#)

Final admission list as published by the HEI and endorsed by the competent authority

[View Document](#)

Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

2.1.2

Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

Response: 74

2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

2022-23	2021-22	2020-21	2019-20	2018-19
450	302	195	192	230

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

2022-23	2021-22	2020-21	2019-20	2018-19
528	330	320	336	336

File Description	Document
Institutional data in the prescribed format	View Document
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	View Document
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule (Translated copy in English to be provided as applicable)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.2 Student Teacher Ratio

2.2.1

Student – Full time Teacher Ratio
(Data for the latest completed academic year)

Response: 15.09

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 and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Response:

Innovative practices regularly practiced by faculty in Teaching Learning Process to produce better outcome are listed below.

Experiential learning:

Assignments, GATE questions in MCQ are used to enhance student learning ability and critical thinking. Students “Learn by Doing Activity. Lab Demonstration, Virtual Laboratory is done to learn the concepts. Value added courses are conducted to learn the upcoming technology. Based on student ability, the teaching inputs are customized. Industrial Visits, Internships are organized to enhance students’ learning experiences. Theory to Practice, Case Study based learning is also done for effective learning. Simulators named “every circuit”, Beamguru, Tinkercad, Roboanalyzer are used for demonstration.

Participative Learning:

In Peer level Tutoring, batches are formed for dissemination of knowledge through student team members. Innovative practices such as Mentimeter, spin wheel, Quiz etc. are conducted during class hours. Collaborative learning such as Think pair share, Brainstorming, crossword puzzle, Group challenge, Jigsaw etc. are conducted to create interests and interaction. Various active learning such as One Minute paper, Mind map, one minute speech, sketch noting are carried out to recall and participate in a better way. Picture based presentation is done for improving the communication skills. Student chapters are formed with support from various professional bodies to organize reputed International/National events.

Project based Learning:

Students were encouraged to do interdisciplinary projects which promote constructivist learning and Innovation skills. Teachers’ planned mini project in the course plan to use simulation software’s to carryover the projects. More simulation tools such as MATLAB, STAAD Pro, Autodesk, Power Simulator, Catia etc. are incorporated which enhances the knowledge. Students participate in Hackathon project events by which knowledge and confidence level is greatly improved.

Problem Solving Methodologies:

Coder club conducts Programming contest to improve Analytical skills. Aptitude and Programming Training by external and internal experts are done frequently. Collaborative learning in solving given problems provides long term knowledge retention. Students actively participated in National Creativity Aptitude Test, Infyqt, Hackathon and secured national level ranks. Collaborative learning in solving given problems provides long term knowledge retention. Google add ons, Leetcode helped the students to improvise the problem solving skills.

Teachers use ICT enabled tools for effective teaching-learning process.

Teachers regularly use various ICT tools during TLP. The Learning Management System used for effective teaching learning process is Canvas and Google Classroom. For taking online classes Digital PAD online tool is used. The presentation tools such as Google slides, canva are also effectively used for taking classes. Mentimeter, Quizziz, Strawpoll, Classtool, Poll everywhere, Kahoot etc. have

been used for conducting Quizzes. For Video Conferencing and teaching purposes the faculty used Zoom and Google Meet. One note has been used as digital notes which helped students to review the concepts quickly. Productive tools such as Google Docs have been used to collaborate and work together. Scanner apps such as Office Lens, Adobe Scan are used for converting one type of document format to another type. The assessment tools Hackerrank, Codchef, Google Form have been used to assess the understanding level of the students.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.4 Teacher Profile and Quality

2.4.1

Percentage of full-time teachers against sanctioned posts during the last five years

Response: 91.56

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

2022-23	2021-22	2020-21	2019-20	2018-19
118	111	114	98	104

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.4.2

Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)

Response: 34.87

2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
49	42	31	28	24

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	View Document
Institution data in the prescribed format	View Document
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.5 Evaluation Process and Reforms

2.5.1

Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

In adherence to Anna University Regulations 2017, and 2021, internal marks for various courses are awarded to students. This internal assessment contributes a maximum of 20 or 40 marks, depending on the specific regulation.

Two continuous Internal Assessment test (CIAT) and three Internal Assessment tests (IAT) are centrally conducted by the Examination Control Office for Anna University Regulation 2021 and 2017 respectively. Faculty members prepare two or three sets of question papers for core/common courses, randomly reviewed by external experts and senior internal faculty to align with university examination standards. Each question is meticulously mapped to the relevant course outcome, Bloom's Cognitive Level, and performance indicators, ensuring a comprehensive evaluation. The domain coordinator scrutinizes the question paper for quality, and the Head of the Department (HoD) approves it. External question paper audits are conducted each semester to maintain quality standards. After the CIAT & IAT, the evaluation scheme and answer scripts are shared with students for transparency. The conduction of CIAT, IAT is monitored by the committee constituted by the Head of the Department. If any mal practice is found, it will be subjected to enquiry committee as per the college norms and actions are taken accordingly.

The evaluation of answer script by the faculty members are checked by the Head of the department to

ensure evaluation and genuineness. After completion of end semester examination of each course, the course handling faculty members reviewed the question paper. Discrepancy in terms of missing/insufficient data and out of syllabus is communicated to Anna University by the corresponding faculty through Examination control office and Head of the Institutions.

In the case of practical courses, project reviews, seminars, case studies, and internships, continuous assessments were conducted periodically, following Anna University guidelines. The internal marks were awarded based on these assessments. For practical courses, internal marks are computed based on continuous assessment for each experiment and model practical examination, adhering to Anna University guidelines.

In the Project reviews, industry person/ alumni are invited and acted as review committee member. In the case of project reviews, internships, and industrial training, a review committee is constituted by the Head of the Institution. Based on performance in three reviews, internal marks for projects align with university guidelines. Internship and industrial training, carrying 100 marks, are evaluated through internal assessment based on reports and presentation of students. For End semester practical examination and a Viva-Voce Examination of projects conducted by internal and external examiners duly appointed by Anna University.

During the pandemic period all the assessments are carried out in online mode based on the instructions provided by the Anna University.

This comprehensive system ensures fair evaluation and adherence to Anna University regulations, fostering a conducive learning environment for students.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1

Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website

Response:

Effective Outcome Communication Strategy for Outcome-Based Education

In our commitment to Outcome-Based Education (OBE), we have developed a robust strategy to communicate program outcomes (POs), program-specific outcomes (PSOs), and course outcomes (COs) effectively. This comprehensive approach ensures that both educators and students are well-informed about the educational goals and objectives throughout their academic journey.

Program Outcomes (POs) and Program-Specific Outcomes (PSOs) Communication:

- **Prominent Display:** To enhance visibility and awareness, POs and PSOs are prominently displayed in key areas across the campus, including the HOD Room, Faculty Hall, Seminar Hall, Classrooms, Laboratories, and on the Institution's Website. This serves as a constant reminder of the overarching educational objectives.
- **Integration in Educational Materials:** Recognizing the importance of seamless integration, we have incorporated POs and PSOs into essential educational materials such as Course Files, Lab Manuals, Course-End Surveys, and Alumni Surveys. This ensures that students and faculty encounter these outcomes consistently, fostering a deeper understanding.
- **Interactive Dissemination:** POs and PSOs are not confined to static displays; instead, they are actively disseminated during various events. This includes Alumni Meets, Parents Meetings, First-Class Committee and Course Committee Meetings, Department Review Meetings, Induction Programs for First-Year students, MRM Meetings, IQAC Meetings, Department Advisory Committee Meetings, PAQIC Meetings, and the commencement of each academic term. This multi-dimensional approach ensures that stakeholders are engaged in a variety of settings.

Course Outcomes (COs) Communication:

- **Integration in Educational Materials:** COs are seamlessly integrated into Course Files, Laboratory Manuals, and Course Outcome End Surveys. This ensures that the specific outcomes related to each course are readily available and understood by both faculty and students.
- **Online Accessibility:** Recognizing the importance of digital platforms, COs are prominently displayed on the Institution's Website, categorized under each department. This facilitates easy and continuous access, promoting transparency and clarity.
- **Faculty Involvement:** On the first day of classes, faculty members actively discuss COs, emphasizing their significance in shaping the learning experience. This interactive session sets the tone for the academic term, fostering a shared understanding of the learning objectives.
- **Digital Integration:** COs are uploaded onto Learning Management Systems such as Canvas or Google Classroom. This ensures that they are not only accessible but also integrated into the digital learning environment, aligning with modern educational practices.
- **Assessment Integration:** COs are a fundamental component of Internal Assessment Question Papers. This integration ensures that assessments are aligned with the intended course outcomes, providing a structured approach for evaluating student performance in terms of outcome attainment.
- **Continuous Review and Discussion:** The attainment of course outcomes becomes a recurring theme in various committees and meetings, including CCM, CoCM, DRM, DAC, and PAQIC. This ongoing review process fosters a culture of continuous improvement, ensuring that educational objectives are not static but evolve with the changing needs of the academic landscape.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

Graduates of Engineering Programs are required to attain the Program Outcomes (POs) given by the NBA and Program Specific Outcomes (PSOs) identified by the Department offering the Program. POs and PSOs are to be attained through courses, projects, and co-curricular and extra-curricular activities in which performance of the students is evaluated.

The framed COs for a course are measured by following the assessment Plan done by the Course faculty at the beginning of the semester. Some of the most common assessment tools used for computing CO attainment are: The Direct Assessment Tools such as Continuous Internal Assessment Test(s) and Semester End Examination (SEE) and the Indirect Assessment Tool: Course End Survey (CES).

The questions given in the internal assessment tests are mapped to the framed COs, which in turn are already mapped to the POs with a mapping level. The same kind of process happens for tutorials, quizzes, assignments, and lab work. Project work is assessed through three project reviews, using well-defined rubrics to evaluate students' performance, which is announced to the students at the beginning of the semester. The course-end survey questions are framed by the course faculty to indirectly measure the level of confidence of the students in the COs.

A combination of direct and indirect assessment methods to ensure a comprehensive understanding of students' academic performance and the overall effectiveness of our programs is employed. 80% weightage has been given for direct assessment and 20% weightage has been given for indirect assessment respectively. Key Competency factor is used for CO-PO-PSO mapping under 1 to 3 levels.

At the end of the course, all the COs are measured using all the assessment methods. Similarly, all the COs of all the courses in that semester are computed. The attainment levels are categorized into three levels based on the performance and set target. A qualitative analysis is done on the attainment of the COs for a course by the course faculty after the COs are computed. The observations, actions taken and to be taken and the recommendations are reported by the course faculty as part of the CO analysis, the same was reviewed in Programme Assessment and Quality Improvement Committee (PA&QIC).

At the end of the programme, the POs/PSOs are computed using the CO computation value of all the COs that are mapped to a PO/PSO and through Programme Exit Survey/Alumni Survey. The PO/PSO computation are done using the weighted average of all the COs that are mapped to that PO/PSO. The Exit survey questions are framed by the department to indirectly measure the POs/PSOs. After the computation of POs/PSOs, a thorough analysis on these attainment levels is done by the department in the Department Advisory Committee (DAC). This analysis includes finding the weak areas towards the attainment of POs/PSOs and a detailed plan of action of various measures which help in the further attainment of the POs/PSOs.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.3

Pass percentage of Students during last five years (excluding backlog students)

Response: 97.43

2.6.3.1 Number of final year students who passed the university examination year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
232	265	376	384	412

2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
236	268	377	391	441

File Description	Document
Institutional data in the prescribed format	View Document
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	View Document
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process**Response:** 3.68

File Description	Document
Upload database of all students on roll as per data template	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1

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

Response: 116.48

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

2022-23	2021-22	2020-21	2019-20	2018-19
53.72	44.74	0.1	1.65	16.27

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.2 Innovation Ecosystem

3.2.1

Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Response:

To strengthen the innovation ecosystem by fostering research practice among the faculty members through whom innovation penetrates to the students, the institute is actively implementing the following measures through the research council:

1. Organising research writing and funded project proposal seminars and workshops
2. Conducting research scholar progress committee meetings per semester
3. Providing research on duty
4. Motivating faculty members to generate more research outcomes by providing research incentives for each calendar year.

For fostering and reinforcing the innovation ecosystem further, RIT ED Cell and IPR Cell conduct various programs including orientation, awareness and workshops related to innovation. RIT ED Cell

and RIT IPR Cell focuses on creating an influential innovation ecosystem as well as entrepreneurial ecosystem aiming to nurture the entrepreneurial skill and innovation mindset among the students. Generation of various Intellectual Property Rights like patent, copyright and industrial designs are facilitated through the IPR cell by providing platform for the students as well as faculty members to develop the innovative products from their intellects. Establishment of Institution's Innovation Council (IIC) in 2019 helped in structuring the innovation ecosystem. Conduct of structured and defined programmes based on the guidelines given by Ministry of Education's Innovation Cell helps in supporting the innovation ecosystem of the institution.

In addition to fostering innovation eco system, the Indian Knowledge System (IKS) is promoted among the internal stakeholders by offering courses in curriculum, conducting programmes, competitions, seminar/workshop, field visits through extra-curricular clubs including Tamil Mandram, ECO club, and NSS.

Some notable milestones achieved through these efforts as on date are, it helped in applying 74 patents among which 7 are granted, 15 copyright registrations and 1 industrial design grant. RIT is also a recognized 'Host Institute' to implement the MSME innovative scheme which is an initiative of Ministry of MSME, Government of India. Through this scheme, RIT conducted 3 editions of idea hackathon in which 165 innovative ideas were submitted by the students, faculty members and external innovators. 11 ideas from first two editions received a fund grant worth of Rs.1.36 crores for developing into a product. Shortlisting of ideas for grant from the third edition of idea hackathon is in progress. In addition, RIT is eligible for availing a financial support of Rs.1 crore to establish an incubation centre with infrastructure to nurture and provide handholding support for the sanctioned ideas as well as other ideas. RIT is also a recognised 'Knowledge Partner' of 'Entrepreneurship Development and Innovation Institute' (EDII), Government of Tamil Nadu for implementing 'Innovation Voucher Program (IVP)'. Through IVP an external incubatee is granted with 5 lakhs grant to develop his idea as a product. To facilitate the innovation ecosystem, 12 faculty members across various streams are trained as MoE' Innovation Cell's (MIC) Innovation Ambassador. In addition to that one faculty member is a Certified Patent Agent and EDII recognized Entrepreneurship Master Trainer and coordinates the activities of cells associated for supporting innovation ecosystem of the institution.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.2.2

Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

Response: 45

3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
10	16	9	5	5

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3 Research Publications and Awards

3.3.1

Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response: 1.43

3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
68	65	20	21	11

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.3.2

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

Response: 1.01

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

2022-23	2021-22	2020-21	2019-20	2018-19
65	22	24	11	8

File Description	Document
List of chapter/book along with the links redirecting to the source website	View Document
Institutional data in the prescribed format	View Document
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.4 Extension Activities

3.4.1

Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.

Response:

- Ramco Institute of Technology actively engaged in numerous extension and outreach activities by various forums for benefiting the public, school students, and college students. Our college proudly hosted vibrant units such as NCC, NSS, YRC and UBA, each with a substantial number of enthusiastic student volunteers & Staff members.
- These units coordinate various events including village surveys, blood donation camps, special camps, life skills training, employability skill training, installation of rainwater harvesting units, tree plantations, awareness rallies, Swachh Bharat Mission, school linkage programs, and health and hygienic activities within the local community.
- Extension activities serve as a powerful mechanism to enhance students' awareness of a spectrum of social issues, fostering a deeper understanding and encouraging active participation in community engagement, especially in the adopted villages.
- Our college administers several extracurricular clubs; each assigned the responsibility of shaping students through a sequence of events such as webinars, seminars, competitions, debates, and special lectures. These initiatives aim to foster the holistic development of students and contribute to their growth as responsible citizens.
- Every engineering department has established many co-curricular forums, engaging in outreach

activities such as school linkage programs for ATAL labs, skill development programs, and knowledge enrichment initiatives.

- Additionally, these forums play a crucial role in nurturing students of our college to undertake projects and patent work by raising awareness about social issues and providing technological support to the neighborhood community.
 - Faculty members are also actively involved in various research initiatives, encompassing mini-projects, patents, funded projects, and final year projects. These endeavors are directed towards tackling societal challenges and providing technological solutions to address the issues faced by the people.
 - Significantly, a special vaccination camp for COVID-19 was conducted on the college campus. Hostel rooms were specifically assigned to accommodate patients receiving treatment for COVID-19, and the college took the initiative to provide food for all individuals undergoing treatment, particularly within the neighborhood community, amidst the challenges posed by the pandemic.
 - The extension and outreach activities conducted for the neighborhood community play a crucial role in sensitizing students to social issues. These endeavors not only make a positive impact on the students' lives but also contribute to the development of strong student-community relationships, improved leadership skills, and heightened self-confidence.
 - In this context, students from our college have founded an NGO named Tamizhan Siragugal Trust, Maatrathai Vithaippom, Meetpu Karangal, and Pasumai Vizhigal. This approach not only aids students in developing respect for diverse perspectives but also nurtures a sense of consideration for "other living beings".
 - The extension activities significantly impact students' social, emotional, physical, mental, and intellectual behavior. Additionally, this results in an impact where (i) students grasp their role within the community, engaging actively with society; (ii) students view this platform as an opportunity to identify significant issues impeding sustainable development in the social community and acknowledge their responsibility as engineers to propose solutions for the betterment of our nation.
- Additional information: <https://sites.google.com/ritrjpm.ac.in/nss/nss> & <https://www.ritrjpm.ac.in/research/patents.php>

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.2

Awards and recognitions received for extension activities from government / government recognised bodies

Response:

The Ramco Institute of Technology has received commendable recognition for its extension activities acknowledging its impactful initiatives and dedicated efforts. This recognition is manifested through prestigious awards, highlighting the substantial contribution of the program to both community development and social welfare.

The list of awards and recognitions received by college for extension activities are follows,

1. "JAL SHAKTHI ABHIYAN" from the All India Council for Technical Education, New Delhi in the year 2019
2. "DONATING MORE UNITS OF BLOOD" from the Government Hospital, Rajapalayam in the year 2019.
3. "DONATING MORE UNITS OF BLOOD" from the Government Hospital, Rajapalayam in the year 2020.
4. College has received fund with worth of Rs. 1,75,000/- for the significant contribution of multi-disciplinary work in their adopted villages from Unnat Bharat Abhiyan, IIT Delhi in the year 2020.
5. "FIT INDIA FREEDOM RUN" from the Ministry of Youth Affairs and Sports, New Delhi in the year 2020.
6. "RAKSHIN PROJECT BY SAKSHI-2020" from the Ministry of Youth Affairs and Sports, New Delhi in the year 2020.
7. "SPECIAL APPRECIATION AWARD" from the Indian Society for Technical Education, Tamil Nadu Section in the year of 2021
8. "APPRECIATION AWARD" from Swami Sivanantha Madam, Rajapalayam in the year 2022.
9. "RECOGNITION AWARD" from the Nehru Yuvakendra Sangam, Virudhunagar in the year 2022.

The list of awards and recognitions received by Students NGO (Tamizhan Siragugal Trust) for extension activities are follows,

10. "AYYAN THIRUVALLUVAR AWARD-2019" from the Ayyan Thiruvalluvar Mandram, Seithur in 2019, recognizing the significant contribution of the program to both community development and social welfare.
11. "HUMANITARIAN AWARD -2019" from the Vaima Group of Institutions, Rajapalayam in 2019, recognizing the exemplary works to society and to the public.
12. "SOCIAL GUARDIAN AWARD-2019" for contribution to society from the World Peace University, USA in partnership with All India achievers association in 2019.
13. "AYYAN THIRUVALLUVAR AWARD-2020" from the Ayyan Thiruvalluvar Tamizhosai Mandram, Rajapalayam in 2020, recognizing the contribution to social welfare.
14. "NEED FOR SERVICE AWARD-2020" from the NFS Trust, Tirunelveli in 2020, recognizing for donating more units of blood.
15. "SOCIAL SERVICES AWARD -2021" from the Department of School Education, Virudhunagar District in 2021, recognizing for helping the people during the pandemic situation.
16. "TAMILNADU VEERABAGU RATHATHANA KAZHAGAM AWARD-2021" from the Manikaraj Helping Hands, Tenkasi in 2021, recognizing for helping the orphanage people.
17. "BHARATHA MATHA SERVICE AWARD-2022" from the Bharat Matha Foundation, Dindigul in 2022, recognizing for outstanding service in saving lives.
18. "MAKKAL NEEDHI MAIAM AWARD-2022" from the Aruppukkottai wing of Makkal Needhi Mayyam in 2022, recognizing for donating blood.

19. "NATURE AND HUMANITY AWARD-2023" from the M.A.M. School of Engineering, Tiruchy in 2023, recognizing helping society.
20. "AWARD FOR OUTSTANDING YOUTH CLUB-2023" with cash prize of Rs.25,000/- from the District Collector of Virudhunagar, recognizing continuous service to the society and the welfare of the people

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.3

Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.

Response: 82

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

2022-23	2021-22	2020-21	2019-20	2018-19
20	26	14	12	10

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	View Document
Institutional data in the prescribed format	View Document
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.5 Collaboration

3.5.1

Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 06

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	View Document
List of year wise activities and exchange should be provided	View Document
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

The Institution has adequate infrastructure and other facilities for,

- teaching – learning, viz., classrooms, laboratories, computing equipment etc
- ICT – enabled facilities such as smart class, LMS etc.

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

Response:

The campus is spread over an area of **22.95 acres** comprising buildings of high-standard, classrooms with proper ventilation and ICT facilities, numerous laboratories, auditorium and library.

Facilities for Teaching and Learning Process

Classrooms

Number of Classrooms: 35 (Seating Capacity of 60 to 72)

- A good classroom setup typically includes a Multimedia Projector, Speaker, Computer, Fan, Light, Table with chair, White board with good ambience, lighting and good ventilation.
- Classroom size must comply with or exceed the minimum standards set by statutory bodies.
- All classrooms are equipped with wi-fi to facilitate Active Learning via MOOCs, NPTEL, and EdX.

Laboratories

No.of Laboratories: 56 (Seating Capacity of 36 to 72)

- Laboratories are equipped with state-of-the-art facilities, including safety measures, periodic maintenance, antivirus and software updates, calibration, and servicing.
- Few laboratories are connected with industries such as Ramco Industries Ltd., Tyco–Product Development Center, NI LabVIEW Research Laboratory, Tessolve Semiconductor Test Engineering Centre, RIT- Harita Centre of Excellence, RIT- MEDSBY Innovation Centre.

Seminar Halls

No. of Seminar Halls: 6 (Seating capacity of 200 to 300)

- Seminar Halls are equipped with LCD Projector with Smart board facility, Wi-Fi, Audio and Video facilities for effective Teaching learning process.

Drawing Halls

No. of Drawing Hall: 1 (Seating Capacity of 72)

- Drawing halls are equipped with Drawing tables, Chairs, Fans, Light with good ventilation and ambience.

Library

Central Library - supports institute programme of study and research. The collection includes

Text Books	: 20715
e-Books	: 6200
Journals	: 50
Magazines	: 37

- Library is also enabled with Wi-Fi and RFID Technology for self-issue and return.
- All Departments are having department library for ready reference

Data Centre & Network room

- A separate team with in-house staff is formed to take care of the IT & related needs of the campus such as Software Development, Hardware & Networking, Website designing & hosting, Email solutions, SMS solutions, etc.
- The entire campus including Hostels has Wi-Fi connectivity and speed of the internet connectivity is 1Gbps provided by BSNL and 200Mbps provided by Airtel.
- The data center and network room manage all the computers, from installation to updates.

Innovation Centre (MSME)

MSME (Micro, Small and Medium Enterprises) Centre is to provide support and resources to small businesses. These centers aim to help entrepreneurs in areas such as financing, marketing, and business development. An MSME Center may also offer training and education on business practices and industry trends.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.1.2

Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years

Response: 17.08

4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
355.18	101.04	42.74	97.28	138.14

File Description**Document**

Institutional data in the prescribed format

[View Document](#)

Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)

[View Document](#)

4.2 Library as a Learning Resource**4.2.1**

Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students

Response:

- Name of ILMS software: **KOHA**
- Nature of automation (fully or partially): **Fully**
- Version: **2019**
- Year of Automation: **2019**

All the transactions are fully computerized. The bar-coded ID and the Scanner are used for charging and discharging the books and Web OPAC (Link : <http://172.16.1.104>) facilities also available. The software contains various modules such as Enquiry, Circulation, Administration etc., An Web OPAC (Web Online Public Access Catalogue) has been created and 1 terminal are provided to facilitate access the library resources and 1 terminal for e-gate register.

- Library Carpet Area: 404 Sq.ft.

Seating Capacity: 171

Library Working Hours:

Monday to Saturday: 9.00 am – 06.30 pm

Sunday: 9.00 am – 01.00 pm.

Number of Library staff: 04

Year of Automation – from 2013 MODERNLIB, From 2019 KOHA

Version – 19.0 with Linux

Partial / Fully - Fully Automated, e-mail alert (Issue, Return & Renewal for each transactions)

Library Carpet Area: 4348 Sq.ft.

Seating Capacity: 150 Reading Hall + 21 Digital Library

Library will be closed on all public holidays

Number of books added

(2019 June to 2019 May)

Number of new titles added Number of new Volumes added

2022-23	189	-	815
2021-22	288	-	1619
2020-21	465	-	1106
2019-20	407	-	1010
2018-19	815	-	3418

Number of Hardcopy of Journals added:

Year (Jan to Dec) No. of journals / Magazines subscribed

2022-23	50	-	35
2021-22	55	-	35

2020-21	47	-	35
2019-20	66	-	35
2018-19	56	-	35

Usage report (Last Five years)

Library usage vs. user count for last three years

Year User count (no. of login) Usage (No. of transactions Issue/Return)

2022	47222	3535/4791
2021	34582	4248/5829
2020	8341	1110/1126
2019	22997	3406/3222
2018	30051	4246/4284

Quality learning resources at RIT Library (Hard / Soft)**RESOURCES**

Books	21096 Volumes / 5120 Titles
Book Bank Books	341
CD's and DVD's	1212
Journals (Hard copy)	68
Magazines	40

ONLINE JOURNALS

(IEEE Xplore., Science Direct, IE & DELENT)

E-BOOKS (DELNET ACCESS)

E-Journals**RIT- Online journals subscription details (2023)****NAME OF THE PACKAGES NO. OF JOURNALS**

IEEE XPLORE – 197 Journals Titles

ScienceDirect – 275 Journals Titles (Engineering + Computer Science)

DELNET – 2000 (Science and Engineering)

Institute of Engineers – 5 Titles

Total - 2477

E-Books

McGraw Hill 337

Local Server – 6200 E-books

DELNET open access E-Books – 10000

Total - 16537

Resources available at library for self learning :

Multimedia content (Access provided through Digital library)

NPTEL videos - 2000+

Library network / Automation

Library software : KOHA with mail alert facility

Security systems: CCTV

Available bandwidth : Yes

Library Digital library systems: 21 nos.

Library consortium and membership:

DELNET

National Digital library

INDEST

Professional Library membership:

Society for the Advancement of Library and Information Science (SALIS)

No. of a special collection available at the library -

No. of special collection procured during the last five years

140 Rare Collections (Hard Copy) E-Books available as a special and rare collection (on Teaching and learning methods).

File Description	Document
Upload Additional information	View Document

4.3 IT Infrastructure

4.3.1

Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words

Response:

RIT is a well-regarded academic institution that provides state-of-the-art IT infrastructure and facilities to support research, academic, and consultancy endeavors. The campus has been enabled with internet bandwidth of 1000 Mbps from BSNL and Airtel 200 Mbps.

The IT service are provided on 24/7 support for anytime anywhere access to knowledge and learning resources. Around 4000+ LAN points are provided across the campus, computer labs, hostels and office spaces. Wi-Fi network points over 180+ numbers were deployed across the campus, facilitating students and faculty members to access the academic content anywhere on campus with 24/7 internet service in academic blocks and hostels.

The Data Centre was established in 2013 with an area of 132m² for consolidating and managing network operations from various servers like DHCP, Linux, Oracle DB, DNS, Library and Learning Videos server, Storage server into a single facility. Data center is equipped with 8 IBM server x240 model (IBM Flex System x240). Out of 8 servers three servers are 6 core xeon processors and five servers are 4 core xeon processors. Details about the features are, 6 core servers are having dual processor with 32GB RAM and two 300GB hard disk. This works based on the concept of mirroring. Likewise, 4 core servers are having dual processor with 24GB RAM and two 300GB hard disk which also works based on mirroring concept. The data center currently hosts all the servers and eases the provisioning and maintenance of servers and applications to the entire campus and backbone network running throughout the campus. It houses about 1 rack with 8 blades mounted with servers and computer cluster nodes for hosting a variety of services like

- RIT Website (Official Website of College)

- DHCP Server
- Domain Name Server and Backup Server
- Video Lecture Streaming
- Storage Service for Students and Faculty
- Redhat Linux Server for students
- Oracle DB Server
- Antivirus
- Desktop Management System (Desktop Tracking System)

In the computer labs, 1197 desktop computers were set up and connected to external ISP backbones. Infrastructure in excess of Rs. 3.0 crore is housed in the data centre. In addition, the data centre has two UPSs with 30 KVA capacities, one of which is entirely devoted to the data centre and has backup power for approximately an hour. Our generator can produce 250 kVA of power. A 16.5-ton duct air conditioner is installed in the data centre and is used at night and on the weekends and a 4-ton air conditioner that is used during the day. It also features a camera surveillance system and Sophos XG firewall is used for security purposes.

4.3.2

Student – Computer ratio (Data for the latest completed academic year)

Response: 1.48

4.3.2.1 Number of computers available for students usage during the latest completed academic year:

Response: 1060

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	View Document
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1

Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)

Response: 23.03**4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
303.4	164.00	112.23	154.38	256.34

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years

Response: 72.83

5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1134	1185	617	893	999

File Description

Document

Year-wise list of beneficiary students in each scheme duly signed by the competent authority.

[View Document](#)

Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).

[View Document](#)

Upload policy document of the HEI for award of scholarship and freeships.

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

5.1.2

Following capacity development and skills enhancement activities are organised for improving students' capability

- 1. Soft skills*
- 2. Language and communication skills*
- 3. Life skills (Yoga, physical fitness, health and hygiene)*
- 4. ICT/computing skills*

Response: A. All of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	View Document
Report with photographs on ICT/computing skills enhancement programs	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.1.3

Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 53.61

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

2022-23	2021-22	2020-21	2019-20	2018-19
700	759	897	381	817

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.4

The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases

- 1.Implementation of guidelines of statutory/regulatory bodies**
- 2.Organisation wide awareness and undertakings on policies with zero tolerance**
- 3.Mechanisms for submission of online/offline students' grievances**
- 4.Timely redressal of the grievances through appropriate committees**

Response: A. All of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	View Document
Proof related to Mechanisms for submission of online/offline students' grievances	View Document
Proof for Implementation of guidelines of statutory/regulatory bodies	View Document
Details of statutory/regulatory Committees (to be notified in institutional website also)	View Document
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2 Student Progression

5.2.1

Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 76.95

5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
168	241	284	243	306

5.2.1.2 Number of outgoing students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
236	268	377	292	441

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	View Document
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2.2

Percentage of students qualifying in state/national/ international level examinations during the last five years

Response: 9.95

5.2.2.1 Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)

2022-23	2021-22	2020-21	2019-20	2018-19
4	15	8	6	4

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3 Student Participation and Activities

5.3.1

Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years

Response: 7

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
0	1	0	1	5

File Description	Document
Upload supporting document	View Document
list and links to e-copies of award letters and certificates	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3.2

Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 8.4

5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
12	7	6	6	11

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.4 Alumni Engagement

5.4.1

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

Response:

Initiatives:

? Based on the Peer Team suggestion in cycle 1, RITAA has been formally registered titled Ramco Institute of Technology Alumni Association under Tamilnadu societies Registration act 1975, in registrar office, Virudhunagar on 28.01.2020.

? A hard copy of PAN Card received for RIT Alumni Association Account on 31.07.2021. ? An exclusive website has been launched from December 2021 for RIT alumni by RITAA. Around 2500 members are coming under single alumni platform (alumni.ritrjpm.ac.in). By these platform alumni can establish the network easily. It's integrated with social media network.

? RITAA also launched LinkedIn Page for RIT alumni. Through that we can establish our contact globally.

? RIT Alumni Association (RITAA) inaugurated and conducted First Alumni Meet on 14.09.2019 at RIT. Around 30 alumni members attended and shared their experience. The office bearers and EC members nominated for RITAA.

? RIT Alumni Association (RITAA) was conducted Second Alumni Meet for 2013 -2017, 2014 - 2018, 2015 - 2019, 2016 - 2020 and 2017- 2021 (5 Batches) batches of our alumni on 20.03.2022 (Sunday), at Hotel Amil, Rajapalayam. Around 215 alumni members attended the meet. Alumni shared their experience of RIT life and working environment also shared the impact of RIT alumni Association. ? RIT Alumni association (RITAA) income and expenses were audited by certified auditor. ? RITAA is releasing newsletter twice in the year 2021 onwards. It is published in institute website for the reference of all stake holders. ? RITAA conducting virtual / Offline alumni meets. ? RITAA activities plan (both the department and institute) is prepared for every academic year and executed as per the plan. ? RIT Alumni supporting as an expert member in Project review, Training and Placement and Career guidance for current students. ? Collecting testimonials from alumni. ? Providing job opportunities for alumni through alumni website. ? Alumni association renewal process completed in every year at sub registrar office, Virudhunagar (SRG/Virudhunagar /8/2020). ? Promoting our institute achievements / recognition / salient features with various stake holders by RITAA in regular intervals.

? The institute and department Vision, Mission, PEOs and PSO published and disseminated through newsletter. ? Conducting campaigns and distributing Best Contributing Alumni award certificates. ? Conducting Alumni summit for getting exposure of best practices and latest technological advancements in industries through alumni.

Alumni Interactions:

As per the plan the activities are executed and going on smoothly by all the departments

? My story in RIT – I, II year – Twice/Sem

? Alumni Entrepreneur Meet – All Years – Once /Sem
 ? Alumni Placement Opportunities Meet – III & IV Year - Once /Sem
 ? Alumni -Higher Studies Opportunities – II, III & IV Year-Once/Sem
 ? Alumni support (others) – IV Year – Mock Interview, Project review, Company specific Training.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.

Response:

Efforts are in place to enhance institutional development in alignment with the vision and mission. Key measures for comprehensive advancements include:

- Founded in 2013, Ramco Institute of Technology (RIT) is an affiliated institution and supported by the esteemed 'Ramco Group', which played a major role in the development of the institution and facilitated Internship, Project work, Industrial Visit, Placement, R&D through its MoU and thereby accomplishes vision statement. Institute Industry/Institute Interaction Cell (IIC) played key role in vitalizing various MoUs with reputed institutes and industries.
- Guided by the renowned governing council members, RIT is steering for its second cycle of NAAC accreditation and second cycle of NBA accreditation for four its branches of CSE, EEE, ECE & Mech. It is certified for a third time by ISO 9001:2015, and actively participated in NIRF rankings, securing the 151-300 band under Innovation Category (2023). RIT is now a member of an international forum, CDIO.
- Pedagogical excellence thrives through qualified faculty, cutting-edge labs, digital library access, placement training, and comprehensive amenities like Wi-Fi, power backup, hostels, and transport.
- Bridging academia and industry, faculty routinely visit core sector industries, imbibing modern technologies to educate the students effectively.
- Centers of Excellence such as e-Yantra Lab, Yaskawa lab for robotics, TVS-Harita Centre, NI-LabVIEW Research Lab, AI lab, Building Information Modeling (BIM) lab, Medsby lab etc., are active for technology enhancement.
- Premier MNCs – TCS, Infosys, Zoho, and others – actively recruit from RIT, while GATE, IELTS, and competitive exam coaching enhance career prospects.
- Recognized as a 'Host Institution' by MSME, RIT fosters entrepreneurial spirit via its Entrepreneurial Development Cell (EDC) and collaborations with industry giants. Faculty participation in MHRD's Institution Innovation Council and patent agent certifications emphasize innovation commitment.
- MOUs with companies such as Harita Techserv, Tessolve Semiconductor, TVS Training, NI Systems, L&T and TCSion bolster practical exposure. RIT is also partnering with IITM PALS (an initiative of IITM alumni network) for enhancing teaching learning.
- Nurturing holistic growth, RIT promotes extracurricular, co-curricular, and sports activities, including NCC participation.
- International online courses with MIT, Harvard, NPTEL, and Microsoft offer additional learning avenues for students and faculty.
- Faculty drive impactful research, securing projects from DST, TNSCST, and more, contributing

to peer-reviewed publications, conferences, and patents.

- Generous funding supports student-led innovative projects, from Electric Vehicles to sustainable technologies.
- RIT serves society via NSS, Unnat Bharath Abhiyan, and student NGOs, reinforcing social responsibility.
- Faculty members and heads of departments involved in managing various decentralized bodies independently which include anti-ragging, grievance, women empowerment, various academic bodies, co-curricular, extracurricular, placement etc.,
- Faculty members and non-teaching staff members accept their roles and responsibilities and participate in both the department and college level activities.
- To enhance international reputation, adjunct professors from foreign universities are appointed.
- Award-winning accolades in green initiatives, outcome-based education, and mental health advocacy affirm RIT's dedication to excellence.
- Contributing to sustainable development, RIT was recognized by SDG Accord as a valuable member.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.2 Strategy Development and Deployment

6.2.1

The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc

Response:

Organogram

- The administration of the college is structured by an organogram which represents both hierarchical order and participative in nature.
- The overall administration of the college is governed by Governing Council (GC) headed by the Chairman of RIT. The key policies of the college are discussed, decided and ratified in the GC held once in a year.
- Principal is the authority for the overall administration followed by vice-principal taking care of academic activities and General Manager-Admin (GM) looking after the finance and office administration.

Administrative Bodies

- Internal Quality Assurance Cell (IQAC) meets frequently, proposes, implements and reviews the

proceedings of the college in every aspect.

- Institute Planning and Development Committee (IPDC) governs the day today activities of the college through its members, meets once in a week. Crucial aspects such as academic progress, examinations, placement, research and development, admission, chairman approval and other relevant activities are discussed, reviewed and updated in this forum. These administrative bodies are decentralized and headed by a coordinator.
- Other independent bodies such as Department Advisory Committee (DAC) and Program Assessment Committee (PAC) of each department operate under respective HoDs.
- ISO QMS 9001:2015 steered by IQAC plays a major role in institutionalizing the polices. The teaching & learning process is periodically reviewed and revised.

Service Rules

- Appointment of faculty members is adhering to the recruitment policies.
- Expert members from prominent institutions will act as panel members for the selection of faculty members.
- Service rules are generally ratified by the governing council (GC) if there are any modifications. Pay scale follows AICTE/Affiliating bodies' norms.
- Appointment orders along with service rules will be given to the faculty members on their joining. When they are getting relieved, experience certificates and relieving orders will be issued.

Policies

- Policies related to admission, academics, HR, Examination, placement, R&D, administration, library, co-curricular and extracurricular, purchase & stocks, maintenance, hostel, outsourcing, e-governance are well defined.
- The processes are periodically audited through internal audit system, monitored, reviewed and modified if any need.

Strategic and Perspective Plan

- Growth of the institution after 1st cycle of NAAC accreditation is visible as described in strategic/ perspective/development plan in terms of introduction of new courses of Artificial Intelligence & Data Science, Information Technology and Computer Science and Business Systems.
- Development is made in laboratory facilities both for academic and research purposes, admissions, pass percentage, human resources in the form of increase in Ph.D holders, research contributions, consistency in placement and rise in average CTC.
- RITs involvement in outreach activities is also on the rise, quoting few examples such as 'VayuMithra' program, school contact programs, awareness and training programs for the local community.
- The governing body always encourages the development to 360 degree learning of its primary stakeholders, the students and their involvement in extracurricular and co-curricular activities. Continual progress towards achieving excellence in these areas is efficiently motivated by the administrative body.

File Description	Document
Upload Additional information	View Document
Institutional perspective Plan and deployment documents on the website	View Document
Provide Link for Additional information	View Document

6.2.2

Institution implements e-governance in its operations

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Response: A. All of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	View Document
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	View Document
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3 Faculty Empowerment Strategies

6.3.1

The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression

Response:

Welfare Measures

At RIT, with the generous support from the management, human resources are well managed.

- In addition to their pay scale and yearly increments, both the teaching faculty members and non-teaching members are provided with welfare measures.
- The basic welfare measures such as PF, medical insurance, fee concession to the wards studying in Ramco Groups Schools, casual leaves, on-duty leaves and maternity leaves, cash awards, sponsorships, research incentives, special leave for Ph.D completion, internet and computing facilities, support for associating with professional societies, support for conducting conference, guest lectures, FDPs, free transport, subsidized mess fee, free accommodation & food for the staff who are residential wardens, free medical checkup, recreational activity, gifts during special days etc.,
- The non-teaching members are also equally supported with additional welfare measures such as uniform for office assistants, permission to pursue higher education, percentage of fee in the consultancy grant etc.,
- Most of these welfare measures will not be affected by the appraisal and performance of the teaching and non-teaching members as they are always supported as the regular employees of the college.

Performance Appraisal

- Performance Appraisal system for both the teaching and non-teaching members is available at our institute.
- Generally appraisal data sheet will be collected from the faculty members. The data sheet was prepared to support and motivate the faculty member rather than discouraging.
- The data sheet has been improvised and modified thrice as per the current demands of both the statutory and institutional requirements.
- Appraisal evaluates the faculty members in four major areas; teaching and learning, research development, career enhancement/extension activities, and administration with 100 marks of weightage for each.
- For an assistant professor, 80% weightage in teaching and learning, 10% in R&D, 5% career enhancement/extension and 5% administration was allotted.
- For an associate professor 60% weightage in teaching and learning, 20% in R&D, 10% career enhancement/extension and 10% administration.
- For a professor 50% weightage in teaching and learning, 25% in R&D, 10% career enhancement/extension and 15% administration was allotted.
- Finally the scores are averaged to the total of 100.
- The data sheet is based on self-appraisal measuring the rating as Excellent: > 90%; Very Good: 80-90%; Good: 70-80%; Average: 60-70%; Poor <60%.
- The faculty member is also given the scope for feedback in the form of identification of training needs, training need analysis, potential scope in the college, future plan etc.
- This self-appraisal format will later be evaluated by the respective heads of department of the faculty member and his suggestions and recommendation will be taken into account for the weightage of 50.
- Student feedback and Principal's remarks will be given the weightage of 25 each leading to a total of 200.
- Overall performance percentage is rated as Excellent: > 90%; Very Good: 80-90%; Good: 70-80%; Average: 60-70%; Poor <60%.
- This appraisal will generally be evaluated by a committee consisting of expert members from

governing council.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.3.2

Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 9.82

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

2022-23	2021-22	2020-21	2019-20	2018-19
15	12	0	9	13

File Description	Document
Policy document on providing financial support to teachers	View Document
Institutional data in the prescribed format	View Document
Audited statement of account highlighting the financial support to teachers to attend conferences / workshops and towards membership fee for professional bodies	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3.3

Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Response: 28.4

6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development

Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
104	89	83	71	73

6.3.3.2 Number of non-teaching staff year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
196	196	196	196	196

File Description	Document
Institutional data in the prescribed format	View Document
Copy of the certificates of the program attended by teachers.	View Document
Annual reports highlighting the programmes undertaken by the teachers	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.4 Financial Management and Resource Mobilization

6.4.1

Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

Raja Charity Trust

- RIT functions as a privately funded educational institution, operating under the guidance of the Raja Charity Trust committed to its nonprofit mission.

Income sources

- Major portion of the income is collected through various fees from the students.
- Sources of funds are through tuition fee, other fee (book, placement etc.), hostel and mess,

transportation, interest through bank deposits, and other income through projects.

- An endowment fund of Rs.5,00,000 donated by a philanthropist in 2016 is also included in the income.
- RIT manages the fund judiciously largely focused towards the benefit of the students.

Management Contribution

- The basic infrastructural facilities, laboratories, equipment, and supportive facilities such as power house etc. are installed and maintained through management fund from the inception.

Auditing Process

- The institute periodically conducts internal and external financial audits.
- The internal audit is carried out by R. Palaniappan, CA, N.A. Jayaraman & Co. (Chartered Accountant FRN 0013105).
- The external audit is carried out by V. Jayanthi, CA, Ramakrishna Raja & Co. (Chartered Accountant FRN 0053335).
- Both of these audit firms rendered excellent services and well known in the market.

Internal Audit

- In the internal audit, critical processes like admission, HR and payroll, procurement, asset and financial accounting, revenue recognition, and statutory compliance are audited on a yearly basis.
- The processes are: i) Financial Accounting: ii) Revenue Recognition: iii) Asset Management: iv) HR & Payroll: v) Procurement: vi) Admission: vii) Statutory compliance.
- Internal Audit is responsible for examining the procedures to ensure that they comply with established standards. If any discrepancies are found in the present process, they will provide ideas to enhance the existing systems.
- The internal audit also helps to improve the existing systems by incorporating the current best practices used by educational institutions.
- The accounting and financial transactions are managed using a specialized online enterprise resource planning (ERP) system created by Ramco Group.

External Audit

- The mechanism of conducting an external audit is to review the overall financial aspects of the institute, ensure the correctness of the financial statements and also ensure that they follow standard accounting policies.
- This audit will review in depth all the incomes and expenditures of the institute.
- The external audit reviews and vouches for the entries, like receipts, bill payments, cash entries, journals, etc., of the institute for the said financial year.
- It will review the financial position and recommend how to effectively optimize any further additional liabilities.
- An external financial audit is generally done after June 30 of the subsequent year.
- External audit gives a detailed report consisting of sources of funds, applications of funds, and income and expenditure statements. These are further divided into various heads where the actual financial transactions took place.
- The evidence for the various internal and external financial audits is made available on the

institute website.

- The mobilization and utilization of funds are always at the optimal level.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5 Internal Quality Assurance System

6.5.1

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

Quality Objectives

- IQAC has actively involved in the developmental activities of the institute. It has implemented the quality objectives of the institute and set the benchmark for its operation.
- It defined various processes such as performance in assessments, faculty participation and up skilling through online courses, publications in National/International journals, submission of project proposals, organization of conferences, value added courses & guest lectures, industrial visit, use of virtual labs, and initiation of MoUs with industries and academia through Institute Industry/Institute Interaction Cell (IIC).
- These parameters are periodically reviewed and analyzed by IQAC and its members.

Academic enhancement

- IQAC involved in the curriculum development for value added and other training courses in addition to the regular courses in the curriculum.
- It defined and suggested the content delivery methods including that of LMS
- It reviewed various assessment methods for the outcome based education.
- These are further reviewed by department advisory committee (DAC) and program assessment committee (PAC), the feedback of which is discussed in the IPDC and implemented.
- The course and curriculum feedback from the students are collected and reviewed to understand their success rate in teaching learning process.
- The faculty members are suggested to share their updated knowledge, equip their skills in LMS and other online tools and trained to implement innovative practices in the class for the benefit of students.
- International collaboration with IUCEE is initiated and some of the faculty members already completed the 'IUCEE certified International Engineering Educator' Course.

- The action taken reports are presented in the next IQAC meeting.

Examination reforms

- Examination process is reformed by introducing question paper setting by external experts, question paper audits, enhancement of ERP modules, and centralized evaluation system

Research and Development

- Objectives for the research council are well defined. The revision in R&D policy has been initiated.
- Faculty members are involved in research, publish their findings in peer reviewed journals, submit project proposals, apply patents and improve their citation ratings.
- They are appreciated with research incentives.
- To encourage entrepreneurship skills among the students, faculty members initiated start up activities through MSME.
- **Placement**
- Quality of placement training is improved by IQAC recommendations.
- **Outcomes of IQAC**
- The feedback from the members was taken into consideration and implemented.
- The fruits of these efforts are reflected from the performance of the college in end-semester examinations, securing one of the top rankings in University, the number of publications and patents, rise in research citation, development of new facilities and labs, new courses, number of MoUs, admission, and consistency in placement and listing in NIRF innovation ranking.

Future Scope

- To incorporate learning through practice and deepening the knowledge acquisition, CDIO is gradually being planned and preliminary efforts are taken to materialize the curriculum.
- RIT has become a member of CDIO in 2023.
- Green audit, energy audits are conducted periodically to achieve sustainable development goals.
- Efforts are in place to attain autonomous status.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5.2

Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
- 2.Academic and Administrative Audit (AAA) and follow-up action taken**

3. Collaborative quality initiatives with other institution(s)**4. Participation in NIRF and other recognized rankings****5. Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

Response: A. Any 4 or more of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	View Document
NIRF report, AAA report and details on follow up actions	View Document
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document
Link to Minute of IQAC meetings, hosted on HEI website	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1

Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.

Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words

Response:

Gender equity and sensitization are crucial aspects of creating an inclusive and empowering educational environment for all.

In the curricular domain, gender equity involves designing a curriculum that is free from gender bias and stereotypes, promoting the representation and equal participation of all genders. It includes incorporating diverse perspectives and voices into coursework and teaching materials, challenging traditional gender roles, and fostering critical thinking about gender-related issues.

In co-curricular activities, promoting gender equity means ensuring that all students have equal opportunities to participate, lead, and excel, regardless of their gender identity. This includes creating clubs, sports teams, and organizations that are inclusive and supportive of diverse gender expressions and orientations.

Facilities for women on campus should prioritize safety, comfort, and accessibility. This may include well-lit pathways, secure accommodations, sanitary and hygiene facilities, and lactation rooms for nursing mothers. These facilities should be designed with input from women on campus to ensure they meet their specific needs.

In summary, gender equity and sensitization in curricular and co-curricular activities, foster a campus culture that is inclusive, respectful, and supportive of all gender identities and expressions, contributing to a more equitable and welcoming educational experience.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

7.1.2

The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures

- 2.Management of the various types of degradable and nondegradable waste**
- 3.Water conservation**
- 4.Green campus initiatives**
- 5.Disabled-friendly, barrier free environment**

Response: A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	View Document
Geo-tagged photographs/videos of the facilities.	View Document
Circulars and report of activities for the implementation of the initiatives document	View Document
Bills for the purchase of equipment's for the facilities created under this metric	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.3

Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

- 1.Green audit / Environment audit**
- 2.Energy audit**
- 3.Clean and green campus initiatives**
- 4.Beyond the campus environmental promotion activities**

Response: A. All of the above

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	View Document
Policy document on environment and energy usage Certificate from the auditing agency	View Document
Green audit/environmental audit report from recognized bodies	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.4

Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

To develop religious feelings among the students, our college has celebrated several festivals with excitement and enthusiasm, assisting students in establishing social and religious harmony. Periodically, the lecture is organized by an eminent person with the main intension of developing the student's personality and making them responsible citizens. To ensure communal socioeconomic stability among students, NSS & YRC units arrange a special visit to an orphanage. In addition to financial assistance, the initiative strives to provide emotional support to these children. In these connections, students from our college individually start some groups, like an NGO. As a way of creating awareness among students about the regional and communal diversities, the college celebrates Youth Day, Women's Day, and Yoga Day. The college periodically organizes some programmes to ensure harmony among students by raising awareness about anti-ragging, and sexual harassment. NCC conducts some camps for their cadets to explore these diversities in cultural, regional, and socioeconomic diversities. The college organizes a cultural meet during the student induction programme in every year to promote cultural harmony among students and staff.

Webinar on fundamental rights in constitutional law and their protection was organized for our college students and staff members in order to impart the constitutional obligations, values, rights, duties, and responsibilities. In addition to the human values and traffic awareness related information shared with the students during the student induction programme. Every year, Republic Day and Independence Day are observed to commemorate the freedom struggle and the significance of the Indian constitution. A blood donation camp was conducted in association with the student volunteers of our college. The cleanliness drives were conducted both inside the campus and in nearby villages, believing that it is everyone's responsibility. Student volunteers from the UBA cell of our college visited the adopted villages and provided some skill development programmes.

In order to promote nationalism and patriotism, the college observes important holidays, occasions, and celebrations. Examples include Gandhi Jayanti, Republic Day, Independence Day, National Science Day, Engineers' Day, etc. Voters Day, Constitution Day, International Yoga Day, FIT India Movement, and Innovation Day are just a few examples of significant days and commemoration occasions that are taken into consideration when planning the academic calendar. When we celebrate national holidays, a variety of events are held, including paper presentations, quizzes, Just a Minute Talks, extempore, singing competitions, rangoli, art projects, etc. There are also guest lectures, quizzes, awareness programmes, and competitions for holidays like Women's Day, World Environment Day, International Youth Day, and National Sports Day, among others.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

7.2 Best Practices

7.2.1

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

Response:

BEST PRACTICE – 1

(1) Title of the Practice: Research Incentives to Enhance Healthier Research and Achievements of Faculty Members

(2) Objectives of the Practice: (20 words)

To define clear research goals, arrange assistive training, acknowledge and motivate faculty for impactful article publications.

(3) The Context: (30 words)

Besides establishing an inclusive ecosystem with clear frameworks for individual and institutional goals, regular professional development opportunities ensure on-going growth and foster a dynamic environment for all members.

(4) The Practice: (50 words)

We foster a strong research culture by addressing individual and institutional goals annually. Our strategic approach includes an inclusive ecosystem, faculty collaboration, training programs, balanced teaching-research roles, facility enhancement, academic flexibility, incentives, and research events. These practices yield tangible research outcomes, establishing our institution as a hub for impactful research.

(5) Evidence of Success: (40 words)

Securing projects worth Rs.1.16 Crore , a notable surge in H-index from 5 to 30, first time NIRF ranking (201-250) in Innovation, growing faculty Ph.D. completions/registrations, steady publication growth (621 publications), 68 patent filings, 24 patents publications and 6 granted.

(6) Problems Encountered and Resources Required: (30 words)

Retaining faculty excelling in both teaching and research, balancing resources between teaching and research, equipping with evolving technologies, and managing with insufficient funding that affects access to facilities and equipment.

BEST PRACTICE – 2

(1) Title of the Practice: A Student-Centric Collaborative Learning Method

(2) Objectives of the Practice: (20 words)

To enhance the fundamental knowledge and reasoning skills of students and foster their personal, interpersonal, and professional skills and attributes.

(3) The Context: (30 words)

Since the conventional methods lacked dynamic and engaging learning environment, collaborative learning was implemented to enhance student involvement in our system of Outcome Based Education.

(4) The Practice: (50 words)

In Indian higher education, faculty employing collaborative techniques like STAD and collaborative coding, aligns with Outcome-Based Education. Implementation involves defining outcomes, forming groups, pre-class work, diverse execution plans, peer assistance, assignment preparation, and formative/summative assessments with rubrics. This approach fosters active engagement, critical thinking, and teamwork—necessary for the job.

(5) Evidence of Success: (40 words)

Students engaging in collaborative learning have consistently outperformed those in traditional methods. Course attainment and pass percentages have also consistently improved. This method has made learning enjoyable and meaningful. Surveys and feedback from students have indicated high level of satisfaction.

(6) Problems Encountered and Resources Required: (30 words)

Differing learning styles, group management, equal participation, and conflict resolution were the challenges. Time allocation for group activities, content creation, assessing individual performance and resource limitations were also the issues.

File Description	Document
Best practices as hosted on the Institutional website	View Document
Any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1

Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Title of the Practice: Enhancement of Faculty Competence

Practice: To help faculty enhance their competence in personal and interpersonal skills, and product, process, and system building skills, and gain experiences relevant to the current trends and practices in their respective fields, they are encouraged to involve in development programs, online learning and obtain professional training in appropriate industries. Accordingly, 18 faculty members from CSE, EEE, ECE, Mechanical and AI& Ds departments have undergone training in the domains of electronic testing, digitalization, data sciences, manufacturing engineering, solar energy solutions etc. They have visited prominent industries such as Tessolve Semiconductor Pvt. Ltd., Zoho Corporation, Yaskawa Electric Corporation, Ramco Group Textile (Div), Siemens Limited, Digital Industries Sitrain, V3 Analytics Pvt. Ltd., Rajapalayam Mills Ltd., Aavin Milk Producers Federation, Patwari Bakers Pvt.Ltd, Yohesh Engineering Corporation, Jaysolar Energy Management Systems Pvt. Ltd etc. This distinct practice has paved way for live project experiences, hand-on training experience, technical course training for student placement, participation in train the trainer program in testing labs. Additionally, students have also gained exposure to modern machinery, and have had the opportunity to learn the functions, monitoring and applications of engineering tools. Several faculty and students have also earned industry certifications that further validate their skills.

File Description	Document
Appropriate web in the Institutional website	View Document
Any other relevant information	View Document

5. CONCLUSION

Additional Information :

Institute

- The institute is accredited by NAAC from 28.03.2019 to 27.03.2024.
- Our institute is recognised under 2(f) of the UGC Act, 1956.
- Our institute has been following outcome-based Education (OBE) since 2016.
- Four programs of our institute are accredited by National Board of Accreditation (NBA) with more than 720 marks from 01.07.2021 to 30.06.2024
- ISO certified institute with completion of three cycles.
- Regularly participating in NIRF ranking.
- Our institute has been awarded with national level Best Educational Institution award in February 2023 by BR2 event, Capabl (Elite Techno Group)
- Our institute has obtained Green Institutional Ranking, under Diamond Category by R World International, Mumbai
- Our institute has consistently secured four-star rating in Institution's Innovation Council (IIC) certified by Innovation Cell, Ministry of Education, Govt. of India to promote Innovation and Start-up in campus.
- Our institute has been awarded with "Green Award" from Tamilnadu Pollution Control Board in 2019.
- Our institute is recognised in the band "PROMISING" under the category "Colleges/Institutes (Private / Self-Financed) (Technical)" in Atal Ranking of Institutions on Innovation achievement(ARIIA) 2021.
- Our institute is regularly organising International conferences, Faculty Development programmes, Workshops, Webinars and other events for excellence in academics and promotion of industry-institute connect.
- Our institute conduct many outreach and extension activities for communal and societal development.
- Our institute is governed by the advisory committee members with a renowned academicians and industrial experts.
- Our institute promotes green power generation by having 30 kW Solar Power Panel.
- Recieved DSIR-SIRO certification
- Received SDG Accord

Concluding Remarks :

NAAC accreditation signifies that our institute meets established standards of quality in education and operations. It enhances the national and international recognition of our institute, making our programmes more attractive to prospective students and stakeholders. There is a transparent assessment process in the accreditation system that provides valuable feedback for improvement. This aligns with our commitment to the ongoing enhancement of our educational programmes and services. It inspires confidence in our stakeholders, including students, parents, faculty, Alumni, Academic Expert and employers, by assuring them of the quality and credibility of our institute. Active participation in the institute's accreditation reflects the ongoing efforts to enhance curriculum development, teaching-learning processes, research outcomes, infrastructure developments, placement opportunities, effective governance, and institutional values. Notably, the average student cost to company (CTC) has consistently risen each year, with a commitment to elevating it further. Maintaining a significant placement record annually, the students of RIT secure positions in renowned companies,

establishing our institution as a top engineering hub in our region. High levels of student satisfaction, positive employer feedback, and a strong presence in Anna University's top 10 affiliated colleges testify to the institution's success. Parents; feedback, consistently positive, underlines their responsiveness to their needs. Regular engagement with parents and alumni ensures their concerns are promptly addressed, as reflected in the placement records and admission statistics. We are fully committed to fulfilling all the necessary requirements and working closely with the NAAC accreditation body to ensure a smooth and successful accreditation journey.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																														
1.2.1	<p>Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)</p> <p>Answer before DVV Verification : 758 Answer After DVV Verification :343</p>																														
1.3.2	<p>Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)</p> <p>1.3.2.1. Number of students undertaking project work/field work / internships Answer before DVV Verification : 754 Answer after DVV Verification: 559</p>																														
1.4.1	<p><i>Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website</i></p> <p>Answer before DVV Verification : A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website Answer After DVV Verification: A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website</p>																														
2.1.2	<p><i>Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years</i></p> <p>2.1.2.1. Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats) Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>240</td> <td>173</td> <td>132</td> <td>131</td> <td>144</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>450</td> <td>302</td> <td>195</td> <td>192</td> <td>230</td> </tr> </tbody> </table> <p>2.1.2.2. Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>297</td> <td>201</td> <td>221</td> <td>189</td> <td>189</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p>	2022-23	2021-22	2020-21	2019-20	2018-19	240	173	132	131	144	2022-23	2021-22	2020-21	2019-20	2018-19	450	302	195	192	230	2022-23	2021-22	2020-21	2019-20	2018-19	297	201	221	189	189
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2022-23	2021-22	2020-21	2019-20	2018-19
528	330	320	336	336

2.4.2 **Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)**

2.4.2.1. **Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
54	43	39	27	25

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
49	42	31	28	24

3.2.2 **Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years**

3.2.2.1. **Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
11	18	10	5	5

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
10	16	9	5	5

3.3.1 **Number of research papers published per teacher in the Journals notified on UGC care list during the last five years**

3.3.1.1. **Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
117	113	75	47	31

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
68	65	20	21	11

Remark : Figures have been revised as per the PDF documents provided for clarification. Even, the revised list the articles asserted the un-recognized journals, such as "International Journal of Applied Engineering Research" or "Journal of Green Engineering", etc. Furthermore, the mismatch of the "Journal Name" with the corresponding ISSN or link, (such as "IETE Journal of Research" mismatched with "https://www.tandfonline.com/journals/tijr20",) have also been observed.;; Figures have been revised CY-wise. ;; Most of the Scopus-Hyperlinks corresponding to the articles are not working.

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

3.3.2.1. **Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
116	33	30	16	8

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
65	22	24	11	8

Remark : HEI has organized an "International Conference on Contemporary Research Advancements in Mechanical Engineering 2023 (ICCRAME'23)" in its own campus, however, the event is beyond the assessment period. Refer to the SOPs; Calendar Year publications to be considered (Jan-Dec). Furthermore, to ascertain the publication dates the available initial page of the articles have been considered.

3.4.3 **Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.**

3.4.3.1. **Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
23	40	19	15	13

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19

20	26	14	12	10
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3.5.1 **Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.**

Answer before DVV Verification :

Answer After DVV Verification :06

Remark : Figure has been revised as per activities performed under the MOUs provided.

4.4.1 **Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)**

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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
508.58	264.59	185.4	322.03	430.83

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
303.4	164.00	112.23	154.38	256.34

5.1.2 **Following capacity development and skills enhancement activities are organised for improving students' capability**

1. **Soft skills**
2. **Language and communication skills**
3. **Life skills (Yoga, physical fitness, health and hygiene)**
4. **ICT/computing skills**

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: A. All of the above

5.1.3 **Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years**

5.1.3.1. **Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
1038	1233	347	465	1194

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
700	759	897	381	817

5.1.4 ***The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases***

1. **Implementation of guidelines of statutory/regulatory bodies**
2. **Organisation wide awareness and undertakings on policies with zero tolerance**
3. **Mechanisms for submission of online/offline students' grievances**
4. **Timely redressal of the grievances through appropriate committees**

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: A. All of the above

5.2.2 ***Percentage of students qualifying in state/national/ international level examinations during the last five years***

5.2.2.1. **Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
4	19	10	7	4

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
4	15	8	6	4

5.3.1 **Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years**

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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
8	1	1	14	9

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
0	1	0	1	5

5.3.2 **Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)**

5.3.2.1. **Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
39	25	30	8	28

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
12	7	6	6	11

Remark : For the reason earlier mentioned the figures have been revised.

6.3.2 **Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years**

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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
63	48	2	28	58

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
15	12	0	9	13

6.3.3 **Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

6.3.3.1. **Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
110	95	90	90	96

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
104	89	83	71	73

6.3.3.2. Number of non-teaching staff year wise during the last five years

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
68	22	36	19	22

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
196	196	196	196	196

Remark : As per the SSR documents provided the figures have been updated.

6.5.2 **Quality assurance initiatives of the institution include:**

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
2. **Academic and Administrative Audit (AAA) and follow-up action taken**
3. **Collaborative quality initiatives with other institution(s)**
4. **Participation in NIRF and other recognized rankings**
5. **Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

Answer before DVV Verification : A. Any 4 or more of the above
 Answer After DVV Verification: A. Any 4 or more of the above

7.1.2 **The Institution has facilities and initiatives for**

1. **Alternate sources of energy and energy conservation measures**
2. **Management of the various types of degradable and nondegradable waste**
3. **Water conservation**
4. **Green campus initiatives**
5. **Disabled-friendly, barrier free environment**

Answer before DVV Verification : A. 4 or All of the above
 Answer After DVV Verification: A. 4 or All of the above

7.1.3 **Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following**

1. **Green audit / Environment audit**
2. **Energy audit**
3. **Clean and green campus initiatives**
4. **Beyond the campus environmental promotion activities**

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: A. All of the above

2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p>Number of teaching staff / full time teachers during the last five years (Without repeat count): Answer before DVV Verification : 126 Answer after DVV Verification : 129</p>																				
1.2	<p>Number of teaching staff / full time teachers year wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>118</td> <td>111</td> <td>114</td> <td>98</td> <td>104</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>104</td> <td>107</td> <td>94</td> <td>97</td> <td>97</td> </tr> </tbody> </table>	2022-23	2021-22	2020-21	2019-20	2018-19	118	111	114	98	104	2022-23	2021-22	2020-21	2019-20	2018-19	104	107	94	97	97
2022-23	2021-22	2020-21	2019-20	2018-19																	
118	111	114	98	104																	
2022-23	2021-22	2020-21	2019-20	2018-19																	
104	107	94	97	97																	
2.1	<p>Expenditure excluding salary component year wise during the last five years (INR in lakhs)</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>864.98</td> <td>366.8</td> <td>229.03</td> <td>420.87</td> <td>570.82</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>1018.706</td> <td>682.059</td> <td>522.7096</td> <td>943.3798</td> <td>1133.434</td> </tr> </tbody> </table>	2022-23	2021-22	2020-21	2019-20	2018-19	864.98	366.8	229.03	420.87	570.82	2022-23	2021-22	2020-21	2019-20	2018-19	1018.706	682.059	522.7096	943.3798	1133.434
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