SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

RAAK COLLEGE OF ENGINEERING AND TECHNOLOGY

NO. 1, MUTHUPILLAI PALAYAM ROAD G.N. PALAYAM, SULTHANPET POST, PUDUCHERRY- 605 110
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BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

RAAK College of Engineering & Technology (RAAKCET) is a vibrant Institute of higher education established in the year 2014 with the objective of a place for excellence in educating, learning, and research, and to create pioneers. RAAKCET is affiliated to Pondicherry University and approved by All India Council for Technical Education (AICTE), New Delhi. The college offers six undergraduate programs and one postgraduate program namely:

- B. Tech - Artificial Intelligence & Data Science
- B. Tech - Computer Science & Engineering
- B. Tech - Information Technology
- B. Tech - Electrical & Electronics Engineering
- B. Tech - Electronics & Communication Engineering
- B. Tech - Mechanical Engineering
- PG - Master of Business Administration

RAAKCET has a sprawling green campus with well-furnished infrastructure. The college has a Wi-Fi enabled campus, central library, high-end computing facilities, advanced laboratories, AC class rooms for PG, campus security cameras and video surveillance system, mineral water plant, hostels for both boys and girls.

Vision

To be a premier engineering institution renowned for excellence in education, research, and innovation, preparing global leaders who drive transformative change in their fields and communities.

Mission

Our mission is to do purposeful work that impacts our global society. This important work includes:

- Empower students through rigorous education grounded in fundamental principles and practical skills across diverse engineering disciplines.
- Foster a culture of innovation, creativity, and entrepreneurship that prepares graduates to address complex global challenges.
- Promote interdisciplinary collaboration and ethical responsibility in research, education, and societal engagement.
- Provide state-of-the-art infrastructure and learning resources that support holistic development and lifelong learning.
- Cultivate partnerships with industry, academia, and communities to enhance education quality, research impact, and societal relevance.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Committed Management
- Brand Name
- Retention of employees
- Disciplined campus
- Highly qualified faculty
- Modern infrastructure
- Strong industry connections

Institutional Weakness

- Need to focus on quality publications, patent filing and to explore commercial potential.
- Consultancy services need to be increased.
- Student's intake from poor socio-economic background
- Limited scope for research and consultancy activities
- Limited scope for altering University curriculum
- Industry-Institute interaction needs further improvement.
- Need to increase placements in core companies.

Institutional Opportunity

- To acquire NAAC accreditation and NBA status of accreditation for all programs.
- To be an autonomous Institution for revision of curriculum to suit to the requirements of industry.
- To increase fundamental and applied research
- To develop Centre of Excellence in cutting edge technologies, in every branch of engineering
- To start the research centres in each branch of engineering
- To sign MoUs with more industries/ research organizations to facilitate the students and the teachers
- To increase the consultancy

Institutional Challenge

- Competition with new higher educational institutions like deemed universities
- There are fewer admissions during the Covid-19 pandemic.
- Students have no wish to leave to look for employment.
- Students are not interested to go away for seeking job
- Attraction for students to migrate towards metro cities for admissions
- Need for improving employability of the students in the current scenario of rapidly changing technology and industrial requirements as well as policies prevailing from time to time in MNCs.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The curriculum prescribed by the affiliating university (Pondicherry University) is followed by the institution. The core values integrate national development, global competency, value systems, use of modern technology and quest for excellence as reflected in the POs, PSOs and COs.

Academic Flexibility

Academic flexibility is ensured by offering multifarious electives covering fundamental and applied courses to acquaint students with advancements in diverse disciplines. For the last five years, RAAKCET has offered 78 value added courses with a total participation of above 95% of students. Several courses are interdisciplinary and technology-driven inculcating personality and skill development.

Curriculum Enrichment

At the beginning of their graduation; students are given induction program with contents which promotes Universal Human Values. Professional ethics, environment and sustainability are introduced as a part of the curriculum, which make students better human beings

RAAKCET maintains gender equality in academic and non-academic activities. College has functional Women's welfare/ sexual harassment cell headed by experienced senior faculty members who look into the problems of girl students regarding personal & academics issues. Internal Grievances cell has been established for addressing the grievances from time to time.

Feedback System

RAAKCET has a structured feedback process, covering all the stakeholders, namely students, faculty, employers, and alumni. The feedback obtained is analysed every semester and action is taken for improvement in academic and infrastructure facilities. High priority is given for academic development and enrichment, and for the last five years, RAAKCET has succeeded in placement opportunity for above 90% of its students.

Teaching-learning and Evaluation

- Admission process for different programs through Centralized Admission Committee (CENTAC) Counselling by the State Government of Puducherry.
- The admission process ensures inclusion of students from all categories through social reservations defined by Government of Puducherry.

- By the entry level Induction /Bridge courses programs for the newly joined students.
- The institute has a Learning Management System and a good reservoir of e-learning materials. The excellent mentor-mentee system of the institute takes care of academic and stress related issues.
- According to this system each course is allotted with a maximum of 25 marks in the Internal Assessment. The said assessment for all theory courses were done on the basis of two Internal Assessment tests together allotted with 15 marks, 5 marks for assignments/seminars/ presentations/ write-ups, etc. and 5 marks for attendance. Test marks were calculated by taking into account two best performances out of three tests considered for internal marks. Two assignments were allotted for courses which deal with problems, whereas, theory courses required an assignment or a write-up and a seminar on the topic given as assignment. A uniform scale to award marks for attendance was followed by all departments as recommended by the Pondicherry University.

- The system is fool-proof and transparent. Students are also educated on POs,PSOs,PEOs (also displayed in website).
- The institution systematically checks for attainment of outcomes and reviews the Teaching- Learning strategies.
- On an average, more than 95% of students are graduated every year Alumni association with active contribution of alumni in enhancing teaching learning process.

RAAK College of Engineering and Technology has shown a strong commitment to quality teaching. Their faculty members are highly qualified and experienced in their respective fields. The college encourages innovative teaching methods and practices to enhance student learning outcomes. Feedback mechanisms are in place to evaluate the effectiveness of teaching.

The infrastructure and facilities support various pedagogical approaches, including hands-on learning experiences. The institution focuses on holistic development, promoting not just academic excellence but also extracurricular activities to enhance overall student growth.

RAAK College of Engineering and Technology has established robust evaluation practices to assess student performance.

Research, Innovations and Extension

Criteria 3 mainly focus on "Research, Innovation and Extension" and evaluates the RAAKCET's efforts in promoting research culture, engaging the students in innovation and extending knowledge to the community.

Research forms the backbone of academic institutions, fostering innovation, knowledge dissemination, and intellectual growth. RAAK college of Engineering and Technology's approach to research is evaluated based on several key parameters such as Research Policy and Strategy, Research Output, Research Facilities and Promotion of Research Culture. The institution is registered with Institution Innovation Council (IIC) and carry out the activities prescribed as per the calendar of IIC.

Research is a cornerstone of academic institutions, reflecting their contribution to knowledge creation and innovation. It assesses how effectively the RAAKCET supports and promotes research among faculty and students. This includes the availability of research facilities, funding opportunities, collaboration with industry and other research organizations, and the publication output of faculty and students. Institutions are evaluated on the quality, quantity, and impact of their research outputs, as well as the integration of research into teaching and learning processes.

Extension Activities

Extension activities are integral to RAAK college of Engineering and Technology's outreach efforts, extending its academic resources and expertise to benefit the broader community by forming Extension Policy and Strategies, Scope and Reach and Impact on Society.

Our Institution is assessed on the extent to which they contribute to societal development through various extension activities. This includes activities such as community service projects, continuing education programs, skill development initiatives, and outreach to marginalized communities. Our Institution is encouraged to demonstrate their commitment to fostering a socio focused culture, engaging with external

stakeholders through consultancy services, and contributing to societal development through meaningful extension activities.

The importance of research and extension activities in shaping the identity and impact of our institution. By focusing on these areas, our institution can demonstrate their commitment to academic excellence, innovation, and community service, thereby reinforcing their accreditation status and contributing to overall educational advancement and societal development.

Infrastructure and Learning Resources

RAAK College of Engineering & Technology offers a comprehensive range of facilities to enhance student life and support various academic and extracurricular activities. The campus includes modern recreational facilities such as sports complexes, gymnasiums, and outdoor areas, promoting physical well-being and community engagement. Dining facilities, cafes, and food courts provide convenient meal options, while on-campus transportation, medical services, and security measures ensure student safety and convenience. Study lounges, computer labs, student lounges, and cultural centers enrich campus life.

The college maintains excellent sports facilities, including cricket, football, volleyball, and indoor games like chess and carom. A yoga and fitness center is also available. Hostel accommodations offer a homely environment for students.

Building and infrastructure maintenance is managed by the Admin department, which employs a team of electricians, carpenters, plumbers, and other service personnel. Regular maintenance includes furniture repairs, plumbing, painting, and housekeeping. The campus has 24/7 drinking water supply, fire extinguishers, and CCTV surveillance.

The library, automated with an Integrated Library Management System (ILMS), provides a vast collection of books, journals, and digital resources. It is equipped with computer terminals and large reading spaces, and uses barcode scanning technology for efficient book management.

IT infrastructure is robust, with 150 computer systems connected via LAN, and a 40 Mbps leased line from BSNL Teleservices. Wi-Fi connectivity and Ethernet ports are available throughout the campus, managed by a professional network system administrator. The college regularly updates its IT facilities to meet the growing needs of students and faculty.

Financial management involves strategic mobilization and optimal utilization of funds from tuition fees, research grants, consultancy projects, and donations. The college conducts regular internal and external financial audits to ensure transparency and proper utilization of funds.

Overall, RAAK College of Engineering & Technology provides a well-rounded environment with state-of-the-art facilities and infrastructure to support the academic, recreational, and personal needs of its students and staff.

Student Support and Progression

The institution provides necessary assistance to students to acquire meaningful experiences for learning thus

leading to holistic development and progression. More than 80% of the students of our College receive several grants from various schemes (i) Perunthalaivar Kamarajar Fund Assistance (PKFA) under the Government of Puducherry (ii) National Scholarship portal (iii) Full Fee scheme for SC/ST students. The College provides freeships to students who are economically backward to pursue their undergraduate studies in various categories. It receives several endowments from philanthropists which are awarded to meritorious students every year.

The institution offers several add-on courses like personality showcase, importance of yoga, Session speaking skills, Digital marketing etc. Student grievances are redressed through the ICC, Grievance Redressal Committee and Anti-Ragging Cells established in accordance with the ruling of Supreme Court and subsequent notification of UGC. Girl students can address their grievances to the Grievance Cell (which also addresses sexual harassment cases) in both online and offline mode.

The college conducts on-campus drive through Training and placement cell every year. The institution takes special efforts to improve student performance and about 85% of students has gainful employment and progressed to higher education. The college takes various initiatives to promote an inclusive environment by organizing cultural, technical and non-technical programmes and Annual sports. The college allows the formation of student quality circle to give an opportunity for the students to organize social, cultural and leisure activities, encouraging students participation in various extracurricular and co-curricular activities to foster the holistic development of the students, promoting participation in activities related to social justice, social responsibility and inculcating good citizenry amongst the student community.

Alumni association has been started to impart skill training to students. It gives all-around support for the proper functioning of the College. The Alumni association will invite the Alumni to visit the College to interact with the students to enhance the knowledge and skills of the students. We will conduct Alumni meet every year to give an opportunity to the Alumni who are entrepreneurs to motivate the students.

Governance, Leadership and Management

RAAKCET is governed by various committees, each responsible for specific levels of function within the institute. All committees are framed in democratic way which results reflectiveness, transparency and participative in all aspects. Institute have well organized hierarchical structure of all the committees which stands accountable for the defined work assisted with e-governance in finance & accounts and student admission and support. Institute have well defined policy document for recruitment, service rules, code of conduct, facilities to the staff etc. There is well defined set of policy and activities for the welfare of the staff like insurance, financial assistance for attending seminar/ conference/ workshops, technological equipment assistance, health awareness, celebration etc. Institute prepares and executes strategic plans for development of the institute. Each process in such plan is executed with proper implementation using documentations. Institute has very effective and transparent performance appraisal system for teaching staff. Reviews of the filled Academic Performance Indicator form on submission are given to teaching staff and are then confirmed for fitness of promotion. Institute have well-structured audit system. Budgeting and auditing in regular intervals is carried out to make efficient and effective use and mobilization of available financial resources. A meticulous system ensures no objection in internal/external audit. Internal Quality Assurance Cell (IQAC) aims at continuous enhancement of quality in teaching-learning process. The Internal Quality Assurance Cell (IQAC) meets regularly to review ongoing processes and assess their effectiveness. These meetings focus on evaluating current practices and identifying areas for improvement. The IQAC uses these reviews to contribute valuable input into the strategic planning of future initiatives. This ensures that the institute's quality enhancement

efforts are continuously updated and aligned with its goals. Through these systematic evaluations, the IQAC helps drive ongoing improvements in the institution's academic and administrative functions.

Institutional Values and Best Practices

RAAK College of Engineering and Technology has implemented several measures to promote gender equity. We are ensuring a safe and secure environment for female students, faculty, and staff is a top priority by providing CCTV Surveillance, 24/7 Security Personnel, Counseling Services, Grievance Redressal Mechanism, Secure Hostels.

The College has replaced traditional FTL tubes with LED lights. Our College has also installed solar street lamps and Solar Power System in the college premises. Waste materials collected from our campus are separated as degradable and non-degradable. The college has a Sewage Treatment Plant (STP) to manage wastewater. The waste water generated within the campus of RAAK has been collected and treated.

RAAKCET plays a significant role in water management practices like, Rain Water Harvesting, R/O Water plant, Sewage Water Processing Plant, Bore-Well Water Resource and Overhead Water Tank.

Our College aims to create sustainable solutions within college campuses to reduce environmental impact, enhance campus sustainability, and protect the health and well-being of the surrounding community and ecosystem.

Barrier free environment are available in our Campus includes Ramps, Elevator inside the Campus, Divyangjan students friendly Washrooms, Wheel Chair, Software for Divyangjan Students and TAC tile tiles.

RAAKCET plays a crucial role in motivating students to participate in green and clean initiatives. Activities like tree planting, minimizing plastic usage, and energy-saving practices (e.g., using LED bulbs) contribute to a cleaner campus.

The campus is secular though there is religious and linguistic diversity among the students, faculty and staff. Our College adheres to the social inclusion policy of Government of India in admission of students in various courses and recruitment of teaching and non-teaching positions.

Best practice in RAAKCET includes contribution to creating a positive and effective learning environment for our students. It empowers students to be actively involved in the development of their education. It aims to develop the students into complete professionals.

This institution's distinctive approach to student development has a profound impact on the lives of its students, enabling them to excel not only in academics but also in various aspects of life and preparing students for the real-world challenges of working in multicultural settings.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	RAAK COLLEGE OF ENGINEERING AND TECHNOLOGY
Address	No. 1, Muthupillai Palayam Road G.N. Palayam, Sulthanpet Post, Puducherry- 605 110
City	Puducherry
State	Puducherry
Pin	605110
Website	www.raakengg.edu.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	SEENUVAS AMURTHI S	0413-2667042	9159119966	0413-2667042	raakengg@gmail.com
IQAC / CIQA coordinator	MURUGAN K	0413-9786012088	9786012088	0413-2667042	raakcetiqac@gmail.com

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 minroity institution	No

Establishment Details

State	University name	Document
Puducherry	Pondicherry University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC	20-04-2021	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	27-06-2024	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	No. 1, Muthupillai Palayam Road G.N. Palayam, Sulthanpet Post, Puducherry-605 110	Rural	15.25	4871

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	BTech,Artificial Intelligence And Data Science,	48	HSC	English	30	2
UG	BTech,Computer Science And Engineering,	48	HSC	English	60	47
UG	BTech,Electrical And Electronics Engineering,	48	HSC	English	30	0
UG	BTech,Electronics And Communication Engineering,	48	HSC	English	60	0
UG	BTech,Information Technology,	48	HSC	English	60	24
UG	BTech,Mechanical Engineering,	48	HSC	English	30	7
PG	MBA,Master Of Business Administration,	24	BACHELORS DEGREE	English	30	7

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/Society or Other Authorized Bodies	1				4				61			
Recruited	1	0	0	1	4	0	0	4	24	37	0	61
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				10
Recruited	6	4	0	10
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				3
Recruited	1	2	0	3
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	1	0	0	2	0	0	1	1	0	5
M.Phil.	0	0	0	0	0	0	3	6	0	9
PG	0	0	0	2	0	0	20	30	0	52
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	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**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	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**	**Others**	**Total**
	0	0	0	0

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	47	6	0	0	53
	Female	24	3	0	0	27
	Others	0	0	0	0	0
PG	Male	1	1	0	0	2
	Female	5	0	0	0	5
	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	8	8	8	17
	Female	4	5	1	9
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	75	77	36	71
	Female	18	35	25	32
	Others	0	0	0	0
General	Male	2	2	0	1
	Female	0	1	0	0
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		107	128	70	130

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	RAAK College of Engineering and Technology, affiliated with Pondicherry University, follows the curriculum and guidelines set by the University and the Government of Puducherry. To promote holistic student growth, the college implements an interdisciplinary curriculum with flexibility, incorporating value-added courses, multidisciplinary courses, internships, and skill enhancement courses. These initiatives, such as add-on courses in soft skills, communicative English, and professional etiquette, aim to broaden students' knowledge and enhance their academic careers. Students are encouraged to join MOOCs through SWAYAM, NPTEL, and NIELIT for additional learning advantages. RAAKCET is well-prepared to offer interdisciplinary programs and maximize students' learning of life skills.
2. Academic bank of credits (ABC):	The Academic Bank of Credits (ABC) is a key component of NEP 2020, designed to provide students with academic flexibility and mobility. Following directives from Pondicherry University and the Government of Puducherry, the college encourages students to create Digi Locker accounts and register on the ABC portal (www.abc.gov.in). This initiative helps students choose their learning paths and have their achievements recognized.
3. Skill development:	RAAKCET is committed to skill development through mandatory training sessions in soft skills, life skills, ICT skills, language proficiency, competitive training, and entrepreneurship. These programs, conducted by all departments, aim to ensure comprehensive capacity building for the entire student community. The college plans to sign MoUs with various agencies to enhance training opportunities in life skills and looks forward to implementing additional skill development programs in the future.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	NEP 2020 prioritizes the preservation and promotion of India's cultural wealth. RAAKCET integrates the Indian Knowledge System into its curriculum by promoting local language, art, and culture. Students from diverse backgrounds receive value-based education, helping them understand each other's art and culture. Through clubs, societies, and cultural events, students learn about India's diverse cultural heritage. Teachers are encouraged to use languages

	students understand easily, and students are encouraged to express their ideas comfortably. Efforts are made to use modern technology to promote local language and culture.
5. Focus on Outcome based education (OBE):	RAAKCET implements Outcome-Based Education (OBE) assessed at Course Outcome (CO), Programme Specific Outcome (PSO), and Programme Outcome (PO) levels. The college has structured its curriculum to achieve tangible outcomes, continuously assessing and mapping these to ensure they meet desired goals. Faculty feedback is incorporated into future courses to improve NEP 2020 measures such as internships, value-added courses, project-based learning, and fieldwork, ensuring comprehensive outcome-based education for students.
6. Distance education/online education:	During the COVID-19 pandemic, RAAKCET adopted online teaching tools like Google Meet, WhatsApp, and Zoom, which continues today. This blended learning approach facilitates regular communication and content sharing between teachers and students. Faculty members also use online platforms for professional development. NEP 2020 will strengthen these measures, encouraging students to pursue online certifications and quality education materials. The IQAC will monitor student enrolment and progress in value-added and add-on courses, developing an institutional learning management system with faculty contributions. RAAKCET encourages students to take up online certificate courses offered by SWAYAM-NPTEL and MOOCs, ensuring they receive quality education and additional certifications.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes. Electoral Literacy Club (ELC) has been setup in the year 2018. The Electoral Literacy Club (ELC) serves as a platform to captivate students with engaging activities and practical experiences, aiming to raise awareness about their electoral rights and acquaint them with the process of voter registration and 100% voting. The ELC is functioning with the following objectives: • To create awareness and

	interest among faculties and students through awareness activities and camps. • To familiarize the targeted populations with EVM and to educate them about robustness of EVM and integrity of the electoral process using EVMs. • To facilitate voter registration for its eligible members who are not yet registered. • To develop a culture of electoral participation and maximize the informed and ethical voting and follow the principle 'Every Vote Counts' , '100% Voting' and 'No Voter to be Left Behind'. • To motivate the students to participate in the ELC activities.
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?	Yes. The College has appointed student coordinators and faculty members as part of the electoral literacy club, and the ELC is very much operational. Furthermore, the ELC is known for its representative approach. 1. Mr. B. Murugan HOD/EEE ELC Nodal officer 2. Harish.T Student Member 3. Ganesh R Student Member 4. Sujay S Student Member 5. Santhosh.R Student Member 6. Rohit Bruno.K Student Member
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.	The ELC conducts various events to sensitize students regarding the values, rights, duties, and responsibilities of citizens like constitutional day, youth day, voter awareness program, legal awareness program etc Our Institution has been selected for the Award of Best Electoral Literacy Club for SVEEP Activities and Mr. B.Murugan, HoD/EEE have been selected to receive best Nodal Officer Award by the Election Department. My Vote is My Future-Power of One Vote The contest is organized by Systematic Voters Education and Electoral Participation (SVEEP) program of Election Commission of India (ECI) taps into the talent and creative of people, while also strengthening democracy through their active involvement. Mr. B. Murugan, HoD/EEE and his team conducted Quiz, Video Making, Poster Design, Song and Slogan Contest to create awareness from 25th January 2022 to 15th March 2022.
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.	The RAAKCET has arranged facilities in the premises to conduct training programs by the District Election Officer. Students of the RAAKCET actively participate in the Government programs in electoral process. Our students have won the second prize in short film competition conducted by Election Department, Puducherry. On reaching voting age,

	young students have a limited awareness of the significance of democratic rules and procedures in general and of the role and importance of elections in particular. A demo on voting procedures using EVM VVPAT machine was organised for the students of RAAK College of Engineering and Technology. Students took part with interest and assured to cast their vote without fail.
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.	Considering that the majority of students of the college are over 18 years of age. Hence, the students, who have not enrolled, are sensitized about their democratic rights, which include casting votes in elections. The students above 18 years age are cultured to be the registered voter by way of awareness camps and pledge. The RAAKCET – ELC conducts year-wise camps for the same.

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
413	398	328	268	181

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: 128

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
61	60	61	60	60

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
83.79	119.15	42.37	90.49	82.42

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:

RAAK College of Engineering & Technology gives priority to teaching – learning and has mechanism in place to ensure academic activities are conducted in timely and best possible way. The planning begins with development of academic calendar and adhering to it ceremoniously is the principle. It involves:

Preparation of Academic Calendar:

At the beginning of each academic year, the academic calendar is prepared at the college level incorporating curricular, co-curricular and extra-curricular events in alignment with the University academic calendar.

Course Allocation:

Courses are allocated to the faculty members based on their expertise & subject preferences by the Head of the department (HOD) and approved by the Principal.

Time Table Preparation:

 Class-wise time tables also include time slots for MOOCs, Project, Industrial Training presentations, Seminars, counseling sessions & library. Individual faculty time tables are prepared.

Design and Dissemination of Course Plan:

 Each faculty member prepares a detailed course plan including the text book(s), reference book(s), web resource(s) and ICT tool(s) to be used for each topic. The course plan is prepared in structured manner. It also includes the topics to be covered beyond the curriculum which is then disseminated to the concerned students after approval of the Head of the Department.

Preparation of Course file:

Each faculty member prepares the course file which includes the time table, lecture plan, course outcomes, mapping of course outcomes with program outcomes & program specific outcomes, attainment levels and targets, identified curriculum gaps, corrective actions, unit wise notes, previous question papers and previous performances. After the completion of the semester, it is updated with analysis of students' feedback, attainment of COs, POs & PSOs and justifications for non-attainment of COs, POs and PSOs (if any).

Content Delivery:

New and innovative teaching techniques, in addition to the traditional lecture method are adopted to deliver the content. Learner-centric techniques such as peer learning, collaborative learning, group discussion, video lectures, quiz etc., are employed to encourage students' active participation.

Tutorial/Assignments:

Faculties prepare the tutorial sheets and their solutions for the mathematical subjects which includes previous university questions & other important questions in view of competitive examinations. Assignments are duly uploaded on the college portal.

Reviews:

 Periodical review on the coverage of syllabus by the HOD followed by Principal ensures uniform coverage. Class Representatives (CRs) are taken on board.

Assessments: As per the regulations of the affiliating university, the assessment is in two ways:

1.   Internal Assessment (25 Marks):

There are three internal assessment tests (IA1, IA2, MODEL), the first test (IA1) after six/seven weeks of the commencement of the semester, second test (IA2) after a week or two from the IA1 and the MODEL after the last working day of the semester. The breakup for 25 marks is -Best of IA1/ IA2 and model for 20 marks and attendance for 5 marks.

2.   External Assessment (75 Marks):

The external assessment is based on the semester end examinations conducted by the Pondicherry university.

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: 78

File Description	Document
List of students and the attendance sheet for the above mentioned programs	[View Document](#)
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Evidence of course completion, like course completion certificate etc. Apart from the above:	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

Other Upload Files	
1	[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: 96.73

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
404	382	320	255	175

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:

RAAK College of Engineering & Technology aims not only to provide education to make the students professionally competent but also mould them into responsible citizens of the country. Some of the social issues relating to gender, human values, professional ethics, environment and sustainability are introduced in the curriculum itself.

Human Values:

It is necessary to have a curriculum to enhance good human values among the students. Our institution always believes to make each student to be good engineer with strong human values. Human values is part of II Sem course, Universal Human Values – 2. The course has 3 credit points. At the beginning of their graduation, students are given induction program with contents which promotes Universal Human Values. Such program makes students realize how important human values are in their engineering career.

Professional ethics:

Professional ethics is a code of conduct applicable to different professions. Some of the expected components of professional ethics are integrity, honesty, and transparency, respect fullness towards the job, confidentiality and objectivity. A course on professional ethics is introduced in the VIII semester (final year). It is covered in three periods per week. It covers moral issues from domestic to international angle. College inculcates an ethical environment right from top management which motivates students to follow and implement this system in their life.

Environment and sustainability:

"Environmental science" is the study of the interactions among the physical, chemical and biological components of the environment with a focus on pollution and degradation of the environment due to human activities. Environmental Science is the course of III semester. The course is covered in three hours per week. It covers environment and natural resources available, design rainwater harvesting systems and methods for recycling and reusing domestic water, create models for resource and energy management, environmental management systems, impact, lifecycle and human health risk assessment, various environment laws, policies and acts. College emphasizes on importance of green environment for the benefit of students, staff and faculty. The extension activities relating to environment and its sustainability is conducted to sensitize students.

Gender Equality:

As college follows Co-education system, the department maintains gender equality in academic and non-academic activities. Institute invigorates boys and girls to participate in various activities. College has functional Women's welfare/ sexual harassment cell headed by experienced senior faculty members who look into the problems of girl students regarding personal & academics issues. Internal Grievances cell has been established for addressing the grievances from time to time.

File Description	Document
Upload Additional information	[View Document](#)

1.3.2

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

Response: 97.34

1.3.2.1 **Number of students undertaking project work/field work / internships**
Response: 402

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](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 35.2

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
107	128	70	130	93

2.1.1.2 **Number of sanctioned seats year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
300	300	300	300	300

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: 69.2

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
105	125	70	129	90

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
150	150	150	150	150

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: 6.77

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:

RAAK College of Engineering & Technology adopted the learner specific approaches in teaching -learning process. This emphasizes active learning, collaboration and the development of critical thinking and problem-solving skills.

- **Experiential learning:** It bridges the gap between theoretical knowledge and real-world application, helping students to develop practical skills and a deeper understanding of engineering concepts. The institution has traditional and advanced laboratories where students can experiment with materials, tools and technologies. The students are provided opportunities to working on complex, real-world projects over an extended period. With industry partnerships the students are exposed to problem solving. They learn workplace dynamics, project management, and practical applications of their studies. The college arranges students to visit industrial plants, construction sites and engineering firms to understand the practical applications of their coursework and see engineering in action.

- **Participative learning:** The college encourages students to work in groups to solve real-world engineering problems, develop their critical thinking, teamwork and application of theoretical knowledge. The students are encouraged to actively participate in engineering competitions and hackathon improving their creativity, innovation and practical application of skills. Class hours are also used to discuss about topics beyond the syllabus and hands-on activities. The college regularly conducts interactive workshops on specific topics about recent technologies and seminars by industry professionals to provide insights into current trends and practices. The opportunities are made available to take lectures to their peers.

- **Problem Solving Methodologies:** Using ICT tools students can adopt various problem-solving methodologies. These approaches help students effectively utilize technology to tackle academic challenges, deepen their understanding, and improve their skills. The students are encouraged to involve in self-regulated learning which help students to take control of their own learning process through goal-setting, self-monitoring and self-assessment. In a flipped learning model, students are encouraged to engage with instructional content at home and use classroom time for active learning like watching lecture videos and to participate in online discussion forum. The faculty members develop problem-solving frameworks which help students to approach problems systematically and solve. Inquiry-based learning is practiced where students ask questions, conduct investigations and build knowledge. Reflective practice involves students thinking critically about their learning experiences to improve future outcomes.

- **ICT (Information and Communication Technology):** These tools have become integral in enhancing learning experiences for students. Teachers can leverage various ICT tools to make learning more engaging, interactive, and effective. Tools like Smart Boards allow teachers to present lessons dynamically, incorporating videos, interactive activities, and real-time feedback. Access to digital textbooks and resources like Project Gutenberg and various online journals expand the availability of study materials. By integrating these ICT tools into their teaching strategies, educators can create more engaging, personalized and effective learning environments for their students.

These strategies are integrated into teaching – learning process to promote better learning outcomes.

File Description	Document
Upload 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: 100

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
61	60	61	60	60

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: 3.64

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
3	4	2	1	1

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](#)

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:

RAAK College of Engineering & Technology has a mechanism in place to conduct the internal examination and university examination on time. The examination related grievances are sorted out in time bound and satisfactory way. This brings trust among the students on the college's evaluation process.

The internal assessment schedule is announced well in advance including dates for assignments, quizzes, exams and project submissions for internal assessments. The topics and pattern of question paper are informed much before the examination. The dates of examination scheduled are mentioned in the academic calendar. The students are provided comprehensive guideline for assignments and internal assessments.

After completion of internal assessment, the concerned teacher evaluates the assessment paper and shown to the students. The evaluation is done in time bound manner. The students have the option to present their case to the concerned teachers if they are not satisfied with the evaluation. Still if the student's grievance is not satisfactorily addressed, the students have liberty to meet the Head of the Department and Principal. The examination related issues are sorted out in time bound and transparent way.

The university examinations are mostly within the university's domain. The university announced the examination date and pattern of question papers in advance. The faculty members of the college train the students accordingly. The college follows the university's guidelines for conducting the examination. In case the students have any grievances, they are advised to represent to the university. The college authority promptly forwards such representations. The evaluation related grievances too are forwarded to the examination authority of the university.

The students' feedback is taken into consideration for improving the internal evaluation system.

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:

- The Course Outcomes (COs) are defined by the faculty in-charge of respective courses in consultation with the IQAC coordinator and the Head of the department.
- The course outcomes are meant to be measurable, specific and achievable.
- CO's are the basis for a faculty to plan the method of teaching.
- The faculties have to ensure that the attainment of course objectives must meet the objectives mentioned in Vision, Mission, Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) of the respective departments.
- IQAC team verifies the COs relevance towards Bloom's Taxonomy, proper utilization of key words and the feasibility in level of attainment.
- The COs of all courses are available on the website. To make students aware about the COs, faculties communicate the COs to students at the start of each semester and periodically throughout the term.
- Additionally, they are prominently displayed and communicated to students and faculties at the following locations:
  - Lesson Plan
  - Course Information Sheet
  - Course File Documents
  - Internal exam question papers

- Continuous Internal Assessments (CIA-I and CIA-II) and Model Exams are conducted each semester with the question papers indicating knowledge level (K1 - K7) and course outcome code of the respective course.
- Guest lectures, seminars, mini projects, tutorial classes, workshops, industrial visit, online courses, quiz, assignments, group activities, etc., are considered for the attainment of COs.
- Course End Survey is taken from the students at the end of the semester as the feedback for COs.
- We adhere to the twelve Program Outcomes (POs) which are mandatory for all higher education programs.
- The POs are established by the National Board of Accreditation (NBA) in New Delhi, as attributes of engineering graduates.
- PSOs are the specific outcomes related to specialization. It is framed by individual departments.
- COs are mapped with POs and PSOs on a scale of Low, Medium and High (LMH) based on the impact of COs on POs and PSOs.
- Programme Outcome feedback is obtained through Course Exit Survey at the end of the

engineering programme.
- POs and PSOs of all programmes are displayed in the following locations:
  - College Website
  - HOD rooms and Faculty rooms
  - Department Notice boards and Laboratories.
- Periodic academic Audit is conducted to verify the implementation, effectiveness and attainment of teaching learning process. It also ensures the continuous improvement of the outcomes.

File Description	Document
Upload Additional information	[View Document](#)

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

- Programme Education Objectives (PEOs), Programme Outcomes (POs), Programme Specific Outcomes and Course Outcomes (COs) are well defined for every department.
- The department Advisory Committee (DAC) of each department structures the PEOs and PSOs. Guidelines are defined for the attainment of the outcomes.
- The COs are evaluated based on the following criteria:
  - *Internal Examination:* Marks from Continuous Internal Assessments (CIA I and CIA II) and Model Examination.
  - *External Examination:* Marks secured in the University Examination.
- The attainment level is calculated for both internal and external examinations by considering the students who achieve 50% and above.
- The specific CO attainment level is derived from the average marks secured by the students and the total mark of the particular CO. The attainment levels are as follows:

Attainment Level

- Level 3 - above 75%
- Level 2 - 65% to 75%
- Level 1 - 50% to 64%

Attainment of Programme outcomes, Programme specific outcomes:

Attainment of PO and PSO are calculated by the following tools

Direct Attainment	Mark secured in Continuous Internal Assessment (CIA I and CIA II) and Model Examination.
	Mark secured in University Examinations

- The attainment of POs in internal assessments is done by considering the marks scored by the students. The mark scored is indicated as level of attainment of the mapped POs with the respective COs.
- The attainment of POs in external assessment is done based on the grade points obtained by students from the university semester examination.
- Additionally assessment of POs include Seminars, Workshops, Quiz, Guest lecturers, Industrial Visits, IPT and innovative assignments.
- PSO direct attainments include students participation in Co-Curricular Activities, Competitions, Online certifications, Value added courses, Projects, Internships etc.
- For each subject, 75% weightage of PO attainment is given for the internal assessment (internal attainment), remaining 25% for university examination (external attainment).

Indirect Attainment	Students Exit Survey
	Alumni Survey
	Parent's Survey
	Employer's Survey

- This involves giving the students questionnaires based on the POs and PSOs, rated on a four-point scale: 1 – Satisfactory, 2 – Good, 3 – Very Good, 4 – Excellent.
- We calculate both the total weightage and the maximum weightage for each PO and PSO. The weightage for POs and PSOs is also derived from the percentage weightage.
- The attainment levels consist of 80% from the direct method and 20% from the indirect method, representing the overall attainment for POs and PSOs.
- The Department Advisory committee(DAC) reviews the attainment every year and the suggestions on assessment questions and effectiveness of the activities are offered by the expert members.

File Description	Document
Upload Additional information	[View Document](#)

2.6.3

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

Response: 97.56

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
117	75	52	6	30

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
120	78	52	6	31

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](#)

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process

Response:

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: 15.45

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
4.05	5.1	2.45	1.95	1.9

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:

RAAK College of Engineering & Technology believes in need of innovation and higher education institute has fundamental role in addressing complex societal challenges and driving economic growth. The trained manpower available are given the facilities and motivation for knowledge creation and transfer of knowledge benefiting the society at large.

The college has established:

- **Research and Development Centre:** Research and development have been recognized as key drivers of innovation and knowledge creation. Faculty members are actively engaged in cutting-edge research across various disciplines, generating new knowledge, insights, and discoveries that have the potential to transform industries and improve quality of life.

- **Industry Collaborative Projects:** The college encourages faculty and students to collaborate with industry partners that address real-world challenges and opportunities. These projects provide valuable hands-on experience, industry exposure, and networking opportunities, while also fostering innovation and knowledge transfer between academia and industry.

The college has not only established facilities but looked at its impact and outcomes:

- **Entrepreneurship and Job Creation:** The Incubation Centre and entrepreneurship development programs have catalyzed the creation of numerous startups and entrepreneurial ventures, generating employment opportunities, fostering economic growth, and driving innovation-led entrepreneurship in the region.

- **Technology Commercialization:** The Technology Transfer Office has facilitated the commercialization of intellectual property generated through research and innovation activities, leading to the development and commercialization of market-ready products and technologies with high societal impact and commercial potential.

- **Research Excellence:** The research and development initiatives undertaken within the innovation ecosystem have contributed to the advancement of knowledge across various disciplines, addressing pressing societal challenges, and driving scientific and technological breakthroughs with far-reaching implications for society and industry.

- **Industry Collaboration and Partnership:** Strategic partnerships with industry players have facilitated technology transfer, collaborative research, and industry-relevant skill development, strengthening the linkages between academia and industry and fostering a culture of innovation and entrepreneurship within the institution.

- **Social Impact and Sustainable Development:** The innovative solutions and technologies developed within the innovation ecosystem have had a positive impact on society, addressing critical social, environmental, and healthcare challenges, and contributing to the achievement of the Sustainable Development Goals (SDGs) through scalable and sustainable solutions.

Challenges and Future Directions:

While the institution has made significant strides in creating an ecosystem for innovations and knowledge transfer, several challenges and opportunities lie ahead:

- **Fostering Interdisciplinary Collaboration:** Encouraging interdisciplinary collaboration and cross-pollination of ideas across different disciplines remains a challenge but also presents an opportunity to drive innovation and address complex societal challenges through a holistic and integrated approach.

- **Enhancing Industry Engagement:** Strengthening industry engagement and collaboration, particularly with small and medium enterprises (SMEs) and startups, is essential for promoting technology transfer, commercialization, and industry-relevant skill development, thereby fostering innovation-led economic growth and development.

- **Promoting Inclusive Innovation:** Ensuring that innovation and entrepreneurship opportunities

are accessible and inclusive for all students, including women, minorities, and marginalized communities, is crucial for promoting diversity, equity, and social inclusion within the innovation ecosystem.

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: 60

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
16	16	03	15	10

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: 0.25

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
22	06	0	0	04

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	[View Document](#)
Links to the papers published in journals listed in UGC CARE list or	[View Document](#)
Institutional data in the prescribed format	[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: 0.02

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
0	2	0	0	0

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](#)

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:

RAAK College of Engineering & Technology gives importance to extension activities as part of giving back to the society and sensitizing the students on various societal issues. This helps in developing their educational social responsibility domain.

The college has fixed the following objectives for its extension activities:

· Sensitizing students to prevalent social issues and fostering a deep understanding of their root causes and consequences.

· Providing students with opportunities for active engagement in community development projects and social service initiatives.

· Promoting values of empathy, compassion, and social responsibility among students.

· Enhancing students' practical skills, leadership abilities, and civic awareness through hands-on learning experiences.

Impact on Student Development:

The extension activities have had a profound impact on the holistic development of students, fostering personal growth, civic engagement, and social responsibility. The key areas of impact include:

Cognitive Development: Students have gained a deeper understanding of social issues and their underlying causes through experiential learning and critical reflection. Engagement in community-based research projects has honed their analytical and problem-solving skills, enabling them to identify root causes and develop effective solutions to complex societal challenges.

Affective Development: Participation in extension activities has cultivated values of empathy, compassion, and social justice among students. Direct interaction with community members and exposure to diverse perspectives have broadened their worldview and instilled a sense of solidarity and shared humanity.

Psychomotor Development: Hands-on engagement in community service projects has enhanced students' practical skills and competencies, including leadership abilities, teamwork, and project management skills. Students have developed confidence in their ability to initiate positive change and make a meaningful impact in the community.

Ethical and Moral Development: Involvement in extension activities has reinforced students' ethical principles and moral values, guiding their actions and decision-making processes. Students have demonstrated integrity, accountability, and a commitment to upholding social justice and human rights in their interactions with community members and stakeholders.

Personal Growth and Self-Efficacy: Extension activities have provided students with opportunities for personal growth and self-discovery, fostering resilience, adaptability, and a sense of agency. Students have overcome challenges and obstacles, developed resilience in the face of adversity, and emerged as confident and empowered individuals capable of effecting positive change in society.

Impact on Community Development: There have been substantial improvement in the identified and

intervened fields. The community members too get sensitized they can contribute to their own development. As extension activities are done in partnership with community, it has been an eye opener.

While the extension activities have yielded significant positive outcomes, following key challenges are observed:

·   **Resource Constraints:** Limited funding, infrastructure, and logistical support have posed challenges to the implementation and sustainability of extension activities.

Community Engagement: Building trust and rapport with community members, especially in marginalized or underserved communities, has required time, patience,

and cultural sensitivity.

·   **Sustainability:** Ensuring the long-term sustainability of extension activities beyond the initial funding period has been a persistent challenge.

·   **Impact Assessment:** Measuring the impact of extension activities on student development and community welfare has posed methodological and logistical challenges.

File Description	Document
Upload Additional information	[View Document](#)

3.4.2

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

Response:

RAAK College of Engineering & Technology have been conducting regular extension activities. Over the past five years, it has received numerous awards and recognitions from government agencies, professional bodies, NGOs, and other recognized entities for its outstanding contributions to community development, social welfare, and sustainable development through extension activities. These include:

- Awards recognizing the institution's exemplary efforts in community service, including healthcare delivery, educational outreach, environmental conservation, and social service initiatives.

- Awards acknowledging the institution's innovative approaches, best practices, and transformative initiatives in addressing societal challenges and promoting social change through extension activities.

- Awards honoring the institution's leadership, vision, and impact in driving positive change and fostering sustainable development within the community through collaborative partnerships and

stakeholder engagement.

- Awards recognizing the institution's commitment to student engagement, leadership development, and civic empowerment through extension activities, including student-led initiatives and community-based projects.

- Awards celebrating the institution's achievements in promoting sustainability, scalability of extension activities, as well as its efforts to build local capacity and empower communities for long-term impact.

The awards and appreciations are summarized:

S. No	Event	Appreciation received from
1	Voluntary Blood Donation Felicitation Ceremony in January 2023	JIPMER
2	TB awareness Program	IGGGH &PGI
3	Health and Hygiene Program	PIMS
4	Food Charity Program	Buds of Heaven
5	Charity for Home	Buds of Heaven
6	Nutrition Awareness Program	PIMS
7	Kabasura Kudineer Program	Yazhi Enterprises
8	Polio awareness Program	PIMS
9	Clean India Program	PIMS

Impact of Awards and Recognitions:

- **Motivation and Inspiration:** This is a source of motivation and inspiration for faculty, staff, and students, reaffirming their commitment to excellence, innovation, and social responsibility, and encouraging them to continue striving for excellence and making a positive difference in society.

- **Visibility of Outreach Activities:** The awards and recognitions enhance the visibility of outreach activities not only in the community but also among the peers. .

- **Partnership and Collaboration:** The awards and recognitions foster collaboration and partnership with government agencies, NGOs, industry partners, and other institutions, creating opportunities for knowledge sharing, resource mobilization, and collective action in addressing societal challenges and promoting sustainable development through extension activities.
- **Capacity Building and Empowerment:** The awards and recognitions empower faculty, staff, students, and community partners to build their capacities, share their expertise, and scale up their efforts in addressing pressing social issues, promoting social justice, and fostering sustainable development within the community through extension activities.

Over all, it gives satisfaction of having contributed to the development of society.

File Description	Document
Upload 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: 60

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
16	13	01	12	18

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](#)

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: 38

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](#)

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:

RAAK College of Engineering & Technology has established facilities for curricular, cocurricular and extracurricular activities for complete development of students.

Academic wings

RAAK College of Engineering &Technology is stretched over an area of 15.25 acres in a green clean neat and spacious environment. It is fully self-contained campus with requisite infrastructure based on AICTE norms. All the departments are equipped with modernized classrooms and ICT facilities, laboratories, seminar halls, meeting rooms / board rooms, Placement cell, tutorial rooms that are adequate to provide a good learning ambience to students. To nurture learning, a wide array of sophisticated equipment is available in all the laboratories.

Internet connection

The college boasts a robust 40 Mbps leased line connection from BSNL Teleservices, ensuring seamless internet access for all systems. A dedicated server room manages network connectivity and administrative services campus-wide. With secure login mechanisms in place, the entire campus is seamlessly Wi-Fi enabled, promoting productivity and connectivity for all users.

Central Library

The central library stands as a veritable treasure trove of knowledge, offering an extensive array of sources to enrich academic pursuits. With its vast collection of books, journals, periodicals, and digital resources, students and faculty alike have access to a diverse range of information spanning numerous disciplines. From historical texts to cutting-edge research publications, the library caters to the diverse interests and requirements of its users. Additionally, its tranquil atmosphere and modern facilities provide an ideal environment for focused study and scholarly exploration. Whether delving into the depths of literature or conducting in-depth research, the central library serves as an invaluable resource hub, nurturing intellectual curiosity and fostering academic excellence.

Recreation Facilities

The institute has excellent sports facilities for both indoor games. It includes cricket ground, football ground, and volleyball court, facility to play throw ball, chess, carom, and ball badminton. Yoga centre and fitness centre is available with all essential equipment to do gymnasium. All the dimensions of these play areas are as per the national and international standards. Hostel provides a homely environment for the hostellers.

General Campus Facilities

The college offers an array of miscellaneous facilities designed to enhance the overall student experience and support various aspects of campus life. These amenities include state-of-the-art recreational facilities such as sports complexes, gymnasiums, and outdoor recreational areas, promoting physical well-being and fostering a sense of community through extracurricular activities. Additionally, the campus provides access to dining facilities, cafes, and food courts, ensuring students have convenient options for meals and snacks throughout the day. Moreover, the college prioritizes student convenience and safety by offering on-campus transportation services, medical facilities, and security measures. From study lounges and computer labs to student lounges and cultural canters, these miscellaneous facilities enrich campus life and contribute to a vibrant and supportive learning.

File Description	Document
Upload Additional information	[View Document](#)

4.1.2

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

Response: 28.75

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
19.16	62.33	0	28.35	10.39

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:

RAAK College of Engineering & Technology has well equipped, spacious library with the rich collection of engineering books including national, and international journals, periodicals, and magazines in Mathematics &Science, Engineering and Technology, Humanities and Management ranging from printed books, e-book to back volumes and CD/Pen drive. The institute always strives to provide the latest and best collection of books, journal, online resources to the student.

ILMS-Library Automation:

The library is fully automated with Integrated Library Management System (ILMS) - KOHA and can be accessed from 9.A.M. to 5 P.M. on all working days. The main objectives of library automation are to provide a quality services to readers and to establish an efficient book storage system. The institute always strives to provide the latest and best collection of book, journal, and online resources to the students.

Scanning Technology:

Central Library is using Systems Application and Products software for library automation and has implemented bar-coded scanning. All the books are bar-coded and bar-code laser scanners are used in circulation counter for book transaction. The searching, systematic shelving and circulation of the books and journal are made easier by the bar code technology. After entering the details regarding the books/journal into the database, barcodes are printed on the adhesive labels according to the accession number of the book/journal. The polyester barcode able has been pasted on the lower bottom of the title page and the last page of the book. User ID contains the bar-coded library reference number of the staff and students.

Gate Entry login:

Gate register is used to login the User Id through Barcode Scanner.

Circulation:

All potential circulation-related functions are handled by this module. Principal roles performed by the circulation module:

Membership, Purchase, Past-due fees, Search condition, Keeping track of things like binding, missing, replace, and withdrawal, as well as creating reports according to different specifications.

Subscription to e-resources

Several institutional memberships are available at the college library for electronic resources and periodicals. The National Digital Library of India (NDLI), a digital library with active internet connection linked to the computers in the library. Direct access to DELNET e-journals, a premium online publication. The Indian government's SWAYAM program, NPTEL video courses, and other e-learning materials are available in the library.

Usage of Library

Using categories such as accession number, author, subject, department, publisher, and title, we are able to create and print a greater quantity of reports, such as book issued and return reports. The library management system also has a provision for yearly and monthly reports. On average, the module logs 65 or more users per day.

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:

Updated IT facilities is essential in almost every organization. RAAK College of Engineering & Technology understands this need. It frequently updates the IT system and mechanism is place to take appropriate action as and when required.

Computing Resources

RAAK College of Engineering & Technology has excellent IT facilities for students and faculty. 100 computer systems are available in the campus with LAN connection. The highly configured system available is HP with 2 GB RAM. 4 GB RAM, 8 GB RAM and 500 GB HDD.

Updating the IT facilities

Based on the gradual increase in the intake of the students, the number of systems in all the laboratories is updated. As per the AICTE norms, the student to computer ratio is maintained as 4.15:1. To carry out research and project activities. Based on the requirements, necessary software and hardware devices,

computer systems and its peripheral devices are purchased.

IT Infrastructure

Institution frequently updates its IT facilities including Wi-fi

The college boasts a robust 40 Mbps leased line connection from BSNL Teleservices, ensuring seamless internet access for all systems. Wi-fi connectivity of 30 Mbps is provided in the administrative and academic areas through Wi-fi router. Additionally, Ethernet ports are provided all over the campus for laptops/devices in need of internet connectivity. V-LAN network facility is implemented to connect all the systems with internet.

A professional network system administrator takes care of the IT related needs of the campus such as hardware and networking. The institution has operating system software and a required number of application software. The college has a well – established language laboratory to enhance communication skills of students. High Windows servers are available for smooth conduct of various activities such as online examinations, hands on training, online competitive exams etc. For uninterrupted computing, UPS is available in all computer laboratories.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

4.3.2

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

Response: 3.18

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

Response: 130

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](#)

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: 59.26

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
50.61	42.18	32.93	54.71	67.4

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](#)
Provide Links for any other relevant document to support the claim (if any)	[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: 88.73

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
348	373	285	243	160

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: 92

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
377	351	312	257	164

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](#)

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: 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
116	74	45	6	25

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
117	75	52	6	30

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](#)

5.2.2

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

Response: 21.43

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
3	0	0	0	0

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](#)

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: 65

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
18	15	10	11	11

File Description	Document
list and links to e-copies of award letters and certificates	[View Document](#)
Institutional data in the prescribed format	[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: 42.2

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
74	42	12	45	38

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:

1. Modified to meet the requirement.

RAAK College of Engineering & Technology, established in the year 2014, has established a strong alumni base. Its alumni association is registered and the college takes pride as many of the alumni are well known in professional and societal life.

Here's an in-depth exploration of how Alumni Association of RAAK College of Engineering & Technology has been contributing to the growth and prosperity:

1. **Financial Contributions**: The RAA plays a pivotal role in bolstering RAAKCET's financial standing through alumni donations and fundraising initiatives. These funds are instrumental in supporting scholarships for deserving students, funding research projects, enhancing infrastructure, and modernizing facilities. By tapping into the collective resources of alumni, the RAA helps bridge financial gaps, enabling RAAKCET to pursue ambitious endeavors and maintain its position as a leader in engineering and technology education.

2. **Networking and Mentorship**: Through networking events, mentorship programs, and alumni directories, the RAA fosters meaningful connections between graduates, current students, faculty, and industry professionals. Alumni mentors provide invaluable guidance, career advice, and job opportunities to recent graduates, easing their transition into the workforce and empowering them to navigate the complexities of their respective fields. By nurturing a strong alumni network, the RAA creates a supportive ecosystem where members can exchange knowledge, collaborate on projects, and leverage each other's expertise for mutual benefit.

3. **Professional Development**: The RAA organizes a myriad of professional development initiatives, including workshops, seminars, and skill-building sessions, aimed at enhancing the employability and career prospects of its members. These programs cover a diverse range of topics such as leadership development, entrepreneurship, emerging technologies, and industry trends. By providing access to resources, mentorship, and networking opportunities, the RAA equips graduates with the tools they need to succeed in today's competitive job market, fostering a culture of lifelong learning and professional growth within the alumni community.

4. **Community Engagement**: As ambassadors of RAAKCET, the members of the RAA actively promote the institution's values, achievements, and contributions to the broader community. Through outreach programs, volunteer initiatives, and philanthropic endeavors, they demonstrate their commitment to making a positive impact beyond the confines of the campus. Whether through organizing blood donation drives, participating in environmental clean-up campaigns, or supporting underprivileged students, the RAA embodies the spirit of civic responsibility instilled by RCET, enhancing its reputation as a socially conscious institution dedicated to serving society.

5. **Legacy Building and Institutional Pride**: By preserving and celebrating RAAKCET's rich history, traditions, and achievements, the RAA fosters a deep sense of pride and belonging among its members. Through alumni reunions, newsletters, social media campaigns, and alumni-driven initiatives, the RAA keeps graduates connected and engaged with their alma mater's ongoing journey. By sharing stories of success, resilience, and innovation, the RAA inspires current students to uphold RAAKCET's legacy of excellence and contribute to its continued growth and development.

In conclusion, the RAA serves as a linchpin in RAAKCET's journey towards excellence, harnessing the collective power and passion of its graduates to propel the institution forward.

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:

RAAK College of Engineering and Technology (RAAKCET) is a leading institution that promotes academic excellence, innovation, student-centric education, research-driven advancements, and community engagement through decentralization and participatory governance. The decentralized structure allows departments and committees to make autonomous decisions, ensuring agility and responsiveness to student and faculty needs. This approach promotes ownership and accountability at all levels, with active involvement from students, faculty, and administrative staff in decision-making processes. Regular forums, meetings, and feedback mechanisms facilitate open communication and continuous improvement, considering diverse perspectives. These practices help RAAKCET adapt to the evolving educational landscape and remain true to its vision and mission.

VISION

To be a premier engineering institution renowned for excellence in education, research, and innovation, preparing global leaders who drive transformative change in their fields and communities.

MISSION

Our mission is to do purposeful work that impacts our global society. This important work includes:

- Empower students through rigorous education grounded in fundamental principles and practical skills across diverse engineering disciplines.
- Foster a culture of innovation, creativity, and entrepreneurship that prepares graduates to address complex global challenges.
- Promote interdisciplinary collaboration and ethical responsibility in research, education, and societal engagement.
- Provide state-of-the-art infrastructure and learning resources that support holistic development and lifelong learning.
- Cultivate partnerships with industry, academia, and communities to enhance education quality, research impact, and societal relevance.

IMPLEMENTING NATIONAL EDUCATION POLICY

RAAK College of Engineering &Technology (RAAKCET) is committed to implementing the National Education Policy (NEP) which aims to transform the Indian education system to meet the needs of the current century. The college has undertaken various initiatives to align its practices with the NEP's goals,

focusing on providing a holistic, flexible, multidisciplinary education that fosters critical thinking, creativity, and problem-solving skills.

DECENTRALIZED PRACTICES

RAAKCET implements a variety of decentralized practices to foster an inclusive, supportive, and dynamic academic environment. These decentralized practices collectively ensure that RAAK CET remains a responsive, inclusive, and forward-thinking institution.

LIST OF CELLS/COMMITTEES

- Grievance Redressal Cell
- Internal Complaint Committee
- Anti-Ragging Cell
- Training And Placement Cell
- SC / ST Cell
- Anti-Sexual Harassment Committee
- Institution's Innovation Council Committee
- Electoral Literacy Club
- Scholarship Cell
- Energy, Green & Waste Management Club
- Student Counseling Cell
- Women Empowerment Cell

INSTITUTIONAL PERSPECTIVE PLAN

The Institutional Perspective Plan for RAAK College of Engineering & Technology aims to achieve academic excellence through updated curricula, innovative teaching methods, strong research culture, and enhanced industry collaboration. It emphasizes infrastructure development, sustainable practices, and robust IT support. The plan also prioritizes student holistic development, community engagement, and transparent governance. Regular monitoring and stakeholder engagement are integral to the successful implementation of this strategic vision.

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:

RAAK College of Engineering & Technology is committed to achieve excellence in education, research, and community engagement. It has developed its perspective plan with in-built monitoring system. This is made known to all so that they would work towards the goal which is the guiding force.

STRATEGIC PLANNING AND DEPLOYMENT PRACTICES

Strategic planning and deployment of colleges require careful attention to detail and a thorough understanding of educational factors. A needs assessment is conducted using demographic data, economic indicators, and educational attainment levels to identify areas with unmet needs or underserved populations, which forms the basis for strategic decision-making and subsequent deployment steps.

FUNCTIONING OF THE INSTITUTIONAL BODIES

The institutional bodies are designed for efficiency and effectiveness through clear policies, robust administrative setup, clear appointment processes, and comprehensive service rules. These bodies operate within a framework that ensures accountability, transparency, and responsiveness to the institution's needs and stakeholders. Stakeholder engagement plays a pivotal role in this framework, with active participation from faculty, staff, students, and external partners ensuring that decisions reflect diverse perspectives and meet the institution's diverse needs. RAAKCET manages resource allocation efficiently for the sustainable growth and upholds institutional integrity through strict adherence to legal and ethical standards. Its focus on accountability, transparency, and responsiveness enhances its capacity to deliver quality education, advance research, and positively impact its community.

Vision

To be a premier engineering institution renowned for excellence in education, research, and innovation, preparing global leaders who drive transformative change in their fields and communities.

Mission

Our mission is to do purposeful work that impacts our global society. This important work includes:

- Empower students through rigorous education grounded in fundamental principles and practical skills across diverse engineering disciplines.
- Foster a culture of innovation, creativity, and entrepreneurship that prepares graduates to address complex global challenges.
- Promote interdisciplinary collaboration and ethical responsibility in research, education, and societal engagement.
- Provide state-of-the-art infrastructure and learning resources that support holistic development and lifelong learning.
- Cultivate partnerships with industry, academia, and communities to enhance education quality, research impact, and societal relevance.

POLICIES: Policies are essential for accountability, regulatory compliance, and transparent decision-making in academic standards, research integrity, and financial management. The college has developed various policies for implementation.

ADMINISTRATIVE SETUP: The decentralized administrative structure aids strategic objectives by establishing specialized departments for academics, research, student services, and infrastructure.

APPOINTMENT PROCESSES: The recruitment process is transparent, merit-based, and rigorous, ensuring the recruitment and retention of highly qualified and competent faculty and staff.

SERVICE RULES AND PROCEDURES: The rules provide a comprehensive framework for faculty and staff employment, encompassing responsibilities, performance evaluation, professional development, and grievance redressal.

RAAK College of Engineering & Technology has not only sensitized the teachers, staff and students but also provide conducing environment to achieve plan as fixed.

File Description	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:

RAAK College of Engineering & Technology (RAAKCET) has an effective performance appraisal system, comprehensive welfare measures, and structured career development opportunities for both teaching and non-teaching staff. It ensures fair evaluations, integrates stakeholder feedback, and supports continuous professional growth. Welfare measures include competitive compensation, healthcare benefits, and supportive policies. Career advancement opportunities include professional development workshops, mentorship programs, and leadership pathways, fostering a conducive environment for staff to thrive and contribute meaningfully to the institution's mission.

PERFORMANCE APPRAISAL SYSTEM

RAAK College of Engineering and Technology, the performance appraisal systems for teaching and non-teaching staff are tailored to their respective roles and contributions.

FOR TEACHING STAFF

RAAKCET has a performance appraisal system designed to optimize the professional growth and contributions of for faculty. The system starts with clear objectives aligned with the college's academic and institutional goals, and regular feedback mechanisms are used to monitor progress and offer support. The evaluation criteria cover a broad spectrum of professional competencies, including teaching effectiveness, research and publication achievements, administrative responsibilities, industry collaborations, and contributions to student development and community engagement initiatives. Peer reviews and self-assessments are integral to the appraisal process, providing comprehensive insights from both colleagues and individual reflections. The system encourages career development discussions, encouraging faculty and staff to articulate their professional aspirations, identify training needs, and explore opportunities for advancement. Transparent and equitable practices underpin the system, ensuring fairness in evaluations and promoting accountability across all levels. Outstanding achievements and performance are acknowledged through awards, commendations, and opportunities for leadership roles.

FOR NON-TEACHING STAFF

RAAKCET has implemented a performance appraisal system for non-teaching staff to acknowledge and improve their contributions to the institution. The system is designed to align with the college's operational goals and standards, with regular feedback mechanisms for effective monitoring. The appraisal criteria cover aspects like administrative efficiency, teamwork, problem-solving abilities, and adherence to institutional policies. Supportive policies promote work-life balance and employee well-being, reinforcing the institution's commitment to creating a positive work environment. Outstanding performance is acknowledged through awards, bonuses, and opportunities for professional growth and development.

EFFECTIVE WELFARE MEASURES FOR TEACHING STAFF

RAAKCET prioritizes the welfare of its teaching staff through comprehensive measures including competitive compensation packages, professional development opportunities, flexible work arrangements, and educational benefits. These measures ensure fair remuneration, support for continuous growth and innovation in teaching practices, and empower staff to pursue personal and career goals. The institution's commitment to fostering a supportive environment allows teaching staff to excel and contribute effectively to the educational mission.

EFFECTIVE WELFARE MEASURES FOR NON - TEACHING STAFF

RAAKCET prioritizes the welfare of its non-teaching staff by offering competitive compensation packages and comprehensive benefits. They believe in fostering a supportive work environment where staffs feel valued and motivated. They offer professional development opportunities and a robust wellness program to promote personal growth and work-life balance. These initiatives aim to attract and retain talented individuals who enrich the institution through their dedication and expertise.

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: 84.11

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
56	51	47	55	45

File Description	Document
Policy document on providing financial support to teachers	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	[View Document](#)
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	[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: 98.69

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
76	76	76	75	74

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
17	17	16	16	14

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	[View 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](#)

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:

RAAK College of Engineering & Technology mobilizes funds based on institutional policy and efficiently utilizes generated resources.

Generation of resource: Mostly tuition fees and donation are source for fund.

Strategies for optimum utilization:

These strategies collectively aim to enhance the effective utilization of resources within an institution, ensuring alignment with goals, sustainability, compliance, and optimal allocation across various initiatives and projects.

- Develop clear strategic plans aligned with institutional goals.
- Create detailed budgets that prioritize key initiatives and operational needs.
- Regularly review and adjust budgets to reflect changing priorities and financial conditions.
- Allocate resources based on strategic priorities and needs assessment.
- Implement efficient allocation systems to ensure optimal use of resources across departments and projects.
- Promote sustainability initiatives such as energy conservation and waste reduction.
- Integrate environmentally friendly practices into everyday operations and decision-making.
- Conduct regular internal & external audits to ensure compliance with policies and procedures.
- Engage external auditors periodically to provide independent assessments of financial practices and accountability.

Internal Audit:

RAAK College of Engineering & Technology maintains financial transparency and accountability through a robust internal audit system. The audits are conducted by a dedicated team, focusing on monitoring compliance with the institution's policies and procedures. Regular audits ensure that ongoing financial activities are consistently reviewed for accuracy and adherence to internal guidelines. The team meticulously examines financial records, operational processes, and control systems, identifying discrepancies, inefficiencies, and areas for improvement. This early identification allows for prompt corrective actions, minimizing risks and enhancing operational efficiency. Internal audits also provide valuable insights into the college's financial management practices, enabling continuous improvement and adapting to changing needs and external conditions. Overall, the consistent internal auditing process at RAAK College of Engineering & Technology is a cornerstone of its strategy to uphold financial health and operational excellence.

External Audit:

RAAK College of Engineering & Technology conducts regular external audits to ensure financial transparency and accountability. These audits are conducted by independent third-party auditors who provide an objective perspective on the college's financial management. The primary purpose of these audits is to verify the accuracy and completeness of the institution's financial statements, ensuring they present a true and fair view of the college's financial position. The audits are typically scheduled annually and involve a comprehensive review of the college's financial records, transactions, and accounting practices. The auditors examine various financial documents to ensure they comply with accounting standards and regulatory requirements. They also assess the effectiveness of the college's internal control systems, evaluating processes and procedures to safeguard assets, prevent fraud, and ensure accurate financial reporting. The results of the audit are documented in an audit report, which is shared with the college's management and governing board. Regular external audits build confidence among stakeholders, demonstrate the college's commitment to transparency and accountability, and provide valuable feedback for improving financial practices and maintaining high standards of fiscal responsibility.

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:

RAAK College of Engineering & Technology (RAAKCET) has established Internal Quality Assurance Cell (IQAC) based on NAAC guideline. Its primary objective is to develop a system for conscious, consistent, and catalytic action to improve the academic and administrative performance of the institution. It is the watch dog for quality assurance in RAAKCET.

IQAC STRATEGIES

- Establish clear quality standards and benchmarks for academic and administrative processes.
- Conduct capacity-building workshops and training programs for faculty and staff.
- Regularly conduct internal audits and reviews to assess effectiveness and compliance.
- Engage stakeholders through communication channels and feedback mechanisms.
- Identify and promote best practices in teaching, learning, and administration.
- Ensure quality in curriculum design, assessment methods, and student support services.
- Encourage research and innovation among faculty and students.
- Prepare for accreditation processes through self-assessment and improvement initiatives.
- Streamline administrative processes and provide training for staff.
- Utilize technology for enhancing teaching, learning, and administrative functions.

IQAC FUNCTIONS

- IQAC establishes standards and criteria for assessing the quality of academic and administrative processes.
- It oversees and coordinates various initiatives aimed at enhancing the quality of education and institutional performance.
- IQAC fosters an environment that prioritizes the needs and well-being of learners, promoting effective teaching and learning practices.
- It arranges workshops, seminars, and training sessions to enhance the skills and knowledge of faculty members.
- IQAC encourages and supports research activities among faculty and students to promote a culture of innovation and intellectual inquiry.
- It facilitates communication and engagement with stakeholders such as students, faculty, staff, alumni, and employers to gather feedback and input on quality-related matters.
- IQAC conducts regular assessments and prepares the institution for accreditation processes to evaluate and ensure the quality of education and institutional performance.
- It ensures that the institution adheres to relevant regulatory standards and guidelines governing education and quality assurance.
- IQAC collects feedback from stakeholders and analyzes data to identify areas for improvement and implement corrective measures.
- It compiles and prepares reports on various quality-related aspects of institutional performance, including assessments, feedback, and improvement initiatives.

IQAC INITIATIVES IN RAAKCET

1. Teaching – Learning process
2. Research and Development
3. Industry interaction
4. Internal academic audit
5. Training and placement

6. Collaboration with other institutions
7. ICT and Technology
8. Quality Assurance
9. Grievance Redressal
10. Student Welfare
11. Environmental Sustainability
12. Cultural and Sports

REVIEW PRACTICES

RAAK College of Engineering & Technology conducts regular systematic reviews of its teaching-learning process, operational structures, methodologies, and learning outcomes to assess the effectiveness of educational practices and administrative procedures. This evaluation includes assessments of curriculum relevance, teaching methodologies, and student performance metrics. By documenting incremental improvements, the institution identifies areas for enhancement and implements targeted strategies for continuous development, enhancing the quality of education and supporting academic excellence and student success.

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](#)
Link to Minute of IQAC meetings, hosted on HEI website	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[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:

RAAK College of Engineering and Technology institutionalizes gender equality through various means and mechanisms. We have established a Women's Empowerment Cell to address gender issues and support female students and staff. Regular workshops and seminars on gender sensitization are conducted to foster an inclusive environment. We offer mentorship programs that connect female students with successful women professionals. Additionally, we have instituted policies to prevent and address sexual harassment, ensuring a safe campus. Scholarships and financial aid are provided to support women pursuing higher education. These initiatives collectively aim to create a balanced and equitable academic atmosphere.

Gender equality is given prime importance and equal opportunities are provided in terms of sports, cultural, curricular and co-curricular events organized in and outside the campus. The College has been regularly organizing special sessions/workshops /webinars and Gender sensitization programs with women related themes to foster gender equality in the mindsets of the students and community at large. The College has regularly supported for the welfare of women staff in terms of maternity leave or child care leave. The Institute has an active Internal Complaints Committee which resorts to complaints received pertaining to gender sensitive issues.

With a high number of female faculty members, staff members and indeed with students, RAAK College of Engineering and Technology reflects the progress of the country at large.

Facilities for women on Campus:

We are ensuring a safe and secure environment for female students, faculty, and staff is a top priority, and this report outlines the strategies, infrastructure, policies, and activities dedicated to this cause.

- CCTV Surveillance: Comprehensive CCTV coverage across the campus, including all entry and exit points, corridors, common areas, and around hostels.
- 24/7 Security Personnel: Deployment of trained security personnel at strategic locations on campus to monitor and respond to any incidents.
- Counseling Services: Availability of professional counseling services to support victims of harassment or violence.
- Women's Cell: An active Women's Cell that provides a platform for addressing issues specific to women and organizing gender sensitization activities.

- **Grievance Redressal Mechanism:** An accessible and transparent grievance Redressal mechanism to report and resolve complaints effectively.
- Secure Hostels: Female hostels equipped with security measures including guards, CCTV cameras, and strict entry protocols.

Sensitization activities:

Women's sensitization activities in RAAKCET focus on raising awareness about gender equality, women's rights, and issues such as harassment and discrimination. These activities include workshops, seminars, and guest lectures by experts and activists. Panel discussions, and interactive sessions foster dialogue and understanding. Campaigns and events, such as Women's Day celebrations and self-defense classes, empower female students and promote a safe, inclusive campus environment. . International Women's Day provides an opportunity to raise awareness about women's history, achievements, and challenges. By focusing on a specific day, we can collectively learn more about bias, discrimination, and inequity, leading to actionable steps for positive change. Additionally, mentorship programs and support groups provide resources and guidance, encouraging women to pursue their academic and professional goals with confidence. These efforts contribute to a more equitable and respectful college community.

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](#)
Certificates of the awards received from recognized agency (if any).	[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:

RAAK College of Engineering & Technology believes in harmony and tolerance in the campus. The students are from different backgrounds and despite of having different backgrounds the college meticulously maintains harmony among themselves observing tranquillity.

There is equality of all cultures and traditions, students from diverse castes, faiths, and regions learn together without prejudice. Students and faculty members are exposed to a wide range of cultures. The campus is **secular** though there is **religious and linguistic** diversity among the students, faculty and staff. Everyone is free to follow his/her religion. Teachers allow students to attend religious prayers as and when desired by them. Equal opportunities are provided to the students to participate in various activities conducted irrespective of their caste, creed, religion, and region.

The College adheres to the **social inclusion** policy of Government of India in admission of students in various courses and recruitment of teaching and non-teaching positions. It provides adequate representation in admission and employment for SCs, STs, OBCs, EWS and PWD categories. Many students who hail from the neighbouring villages not only belong to socially backward communities but also to economically poor background and mainly depend on the government scholarship.

Every year, the college celebrates Women's day to bringing attention to issues such as **gender equality**, women's rights and their achievements. Ensuring a safe and secure environment for female students, faculty, and staff, Comprehensive CCTV coverage across the campus, including all entry and exit points, corridors, common areas, and around hostels is provided.

The college celebrates local and national festivals: Samathuva Pongal Celebrations, featuring performances of folk songs and dances, Uriyadi Games serves as a platform for students to engage with and celebrate the cultural traditions. The College encourages the celebration of various festivals like Diwali, Holi, Eid, Christmas, Vinayagar Chathurthi, etc. National and International Commemorative days like World Environment day, Yoga day, along with many regional festivals are celebrated in the college. This establishes positive interaction among people of different racial and cultural backgrounds.

Special facilities are created for the **Divyangjan** students. Their mobility is supported with the provision of ramps, elevators and wheelchairs. Special restroom facilities have been provided in the college premises.

The college not only emphasizes quality of teaching – learning process it takes all possible steps to mould the students as responsible citizens. The institution has held student-focused activities such as paper, poster, and essay contests, which have continuously attracted considerable student participation and enhanced students' understanding of different **Constitutional Obligations**. The college observes Independence Day, Republic Day and Liberation Day with zeal. A range of academic and co-curricular events have been conducted by faculty from different departments to promote Indian citizens' Fundamental Duties, Directive Principles, and Rights that includes various voter's awareness programs conducted in the Campus.

File Description	Document
Upload 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

NURTURING YOUNG MINDS AND FOSTERING SOCIAL RESPONSIBILITY THROUGH CLUB ACTIVITIES

1. Title of the Practice

Nurturing Young Minds and Fostering Social Responsibility through Club Activities

2. Objectives of the Practice

It empowers students to be actively involved in the development of their education, ensuring their voice is heard in decisions that affect their academic journey.

Holistic Development: To facilitate the holistic development of students by engaging them in extracurricular activities beyond academics. This includes enhancing their cognitive, emotional, social, and physical skills.

Social Responsibility: To instill a sense of social responsibility in students. Clubs provide a platform for students to actively participate in community service, awareness campaigns, and discussions on critical social issues.

Skill Development: Students develop important skills such as decision-making, leadership, and communication, which are valuable beyond their time in college.

3. The Context

Designing and implementing this in colleges involves addressing several contextual features and challenging issues:

College Clubs and Associations: RAAKCET have clubs and associations (e.g., NSS, Red Ribbon Club, etc.,) that promote social activities. Encourage students to volunteer and raise awareness about social issues through these clubs.

Teaching Social and Emotional Skills: Emphasize social and emotional skills as the foundation for healthy relationships and personal growth. Teach students to identify and manage their emotions, practice empathy, and value kindness and cooperation.

4. The Practice

Club Formation: Establish various clubs and chapters (e.g., ECO Club, NSS, Women Empowerment Cell) to engage students.

Membership Drive: At the start of each semester, club coordinators approach students for membership, outlining club objectives and promoting participation.

Regular Meetings: Allocate specific time slots for clubs' regular practice and meetings after regular classes.

Awareness Campaigns: Organize seminars, awareness campaigns, and field visits on topics like women's rights, rural development, energy conservation, and health awareness.

Community Service: Encourage students to engage in local community service projects, contributing to a better environment and helping the less fortunate.

Peer Networks: Create strong networks within clubs, introducing members to their peer group and encouraging learning from one another.

5. Evidence of Success

Quantitative Metrics:

Membership Growth: A steady increase the number of students joining clubs each semester.

Participation Rate: Students actively participate in club activities, events, and community service.

Qualitative Evidence:

Student Testimonials

Success Stories

Community Impact

Awards and Recognitions

6. Problems Encountered and Resources Required

Low Participation

Sustainability

Balancing Academics and Extra-curricular

Limited Resources

Inclusivity

Impact Measurement

BEST PRACTICE - 2

ELEVATE INTER-PERSONAL SKILLS TO ACHIEVE EXCELLENCE IN PROVISION OF EMPLOYMENT

1. Title of the Practice

Elevate Inter-Personal Skills to achieve Excellence in Provision of Employment

2. Objectives of the Practice

The Objective of pre-placement Training is to Train and Expertise the students to meet the requirements of industries. It aims to develop the students into complete professionals. It provides personality development, communication skills, resume preparation, aptitude test, interview skills, and group discussion activities to the students.

3. The Context

Industries are always on the lookout for students who are vibrant, energetic, and ready to accept challenges, attentive, fast learners, open to learning and good communication skills. The pre-placement cell knows the recruitment process and industry trends by interacting with the industry and prepares the students accordingly. Hence, there is a need to establish the vital link between students and prospective employers to facilitate the training and placement of students as they begin their career after graduation.

The Pre-placement Training activities train the students to inculcate the important interview skills such as, dress code, confidence, creativity, ability to react and respond and handle stress.

4. The Practice

The uniqueness of our pre-placement training cell is that it ensures the recruitment process as a successful journey in RAAKCET. It puts high emphasis on technical and non-technical pre-placement training, which will train the students to excel at interviews and recruitment processes. Students are constantly motivated through counselling, to increase their morale. They are also informed and advised on the importance of maintaining good academic scores as these play a major role during recruitment.

RAAKCET looks to develop the students from industrial perspective. For this, placement and training cell have designed the training modules to impart technical, logical, analytical, behavioural and managerial skills in every student. Apart from the regular academics, each student is trained for more than 200 hours on various skills. We also promote students to visit various industries pertaining to their disciplines so that they get the right industrial exposure. It also assesses the students through various

online testing methodologies so that the right set of students is channelized towards the right profile.

Soft Skill Training Programme

Aptitude Skill Trainings

Technical Skill Trainings

5. Evidence of Success

We have witnessed huge improvement in the personal and technical skills of the students after the successful completion of pre-placement training. We have observed a huge difference in their communication skills, their attitude in facing the interviews and confidence levels of individuals. Mainly our students stood different from others on the following distinguishable qualities such as

• Out of the Box Thinker

• Leadership Skills

• Effective Team Player

• Strong Technical Skills

• High IQ Level

• Ability to Balance Work and Life

Many employers have given excellent testimonials for our placement support of making the students industry ready. Many parents have also given good testimonials for supporting their wards throughout their study to get better placements and making them a responsible citizen. Year by year we witness a significant increase in the quality of placements in top notch companies.

6. Problems Encountered and Resources Required

RAAKCET gives high to priority to Pre-placement training activities however, it faces problems in hiring competent faculty with updated soft skills and technical skills which are needed to train the students. A few of the students lack commitment and out tracked, hence a close monitoring and mentoring by faculty is required. For this, a strong mentoring and counselling system is employed on counselling and handling the students from the rural background may have good technical skills but may lack communication and other required skills, so special classes are conducted to such students to boost their confidence levels and face the challenges of the world. Faculty Development programs are conducted to update the faculty on evolving technologies so that they can train the students on latest technologies.

File Description	Document
Any other relevant information	[View Document](#)
Best practices as hosted on the Institutional website	[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:

Holistic Development of Students

RAAKCET concerns with holistic development of its students. It provides facilities where the students can explore their potential.

RAAKCET is inspired by the United Nations Educational, Scientific, and Cultural Organization (UNESCO)'s philosophy "Education is a human right and a public good that access is not tantamount to learning and that academic learning is but one dimension of holistic student development". Global educational transformation has been invoked in response to crises regarding educational equity, quality, and purpose. Holistic development helps students to perform better academically. Student is more likely to be motivated, focused, and resilient, which are all critical for academic success. This approach promotes critical thinking, problem-solving, and creativity, preparing students for real-world challenges.

Holistic development bolsters emotional intelligence, reducing stress and promoting mental well-being. Holistic development helps to improve;

- Well-rounded individuals
- Critical thinking skills
- Effective problem-solving
- Enhanced creativity
- Strong communication
- Empathy and teamwork
- Emotional intelligence
- Reduced stress
- Physical health
- Adaptability and resilience

Moreover, it fosters empathy, teamwork, and communication skills, essential for a successful and fulfilling life. Holistic development also supports mental and emotional well-being, reducing stress and anxiety. In sum, it equips students with a comprehensive skill set, enhancing their ability to adapt, thrive, and contribute positively to society. Even in the unprecedented situation due to the Covid pandemic the

institute has made diligent efforts to support students and faculties by all means.

I.Intellectual development:

The institute uses the most recent pedagogy techniques to execute university curriculum through well-planned and efficient teaching and learning activities. Different strategies have been used to help children meet their unique needs. Mentors, business leaders, experts in their fields, and innovators expose pupils to new ideas and concepts throughout their educational programs. They can then be prepared for employment. Up order to fill in any gaps in the curriculum, the institute proactively identifies them and provides for extracurricular instruction. Through projects like minor and major projects and complicated problem solving, the students are given the opportunity to work on pertinent issues relating to society and industry. They are also given internships. Additionally, the institute runs a number of initiatives to give students practical training. Students also build hands-on experiences through technical fests and   model exhibitions.

II.Social development:

The social skills are nurtured through various activities conducted by the social clubs at the institute.

Exposure to social issues and working on probable solutions: The students are exposed to the diverse social structure and their issues, particularly in the neighboring areas, through the National Service Scheme implemented at the Institute, the students undertake activities of spreading social awareness about various burning topics such as Blood Donation, women health, Swatch Bharat, save trees, Say No to Plastic, etc. While doing so, they also become aware of the issues of the society and think on probable measures to solve them.

Inculcating benevolence: The students take part in helping the neglected part of the society like educating kids, orphans and old age people. Students help the children at the orphanages by conducting classes for the kids. At the old-age homes, students extend their help.

III.Physical development:

The institute encourages students to participate in physical activities to help them develop a variety of crucial abilities, including physical fitness, teamwork, self- assurance, decision-making, mental toughness, etc. The college has conducted various Sports activities like Department Sports League, house matches for the students that include a variety of sports like cricket, volleyball, throw ball, kabaddi, chess, carom, etc. Boys and girls both participate in and demonstrate their skills in these sports, and as a result, their sportsmanship and capacity for teamwork develop. Every year, the institute observes International Yoga Day. Numerous physical activities, including yoga, exercises, outdoor sports, and others are undertaken at the camps held at the numerous villages that the institute has sponsored through NSS.

IV.Emotional development:

College students undergo significant emotional growth as they navigate new social dynamics, face

challenges and setbacks, and learn to manage their emotions. This period of heightened emotional growth can have a lasting impact on their personal relationships, self-awareness, and overall well-being. It's a crucial time for students to develop skills that enhance their emotional intelligence and resilience.

The institute gives the students' emotional well-being the appropriate amount of attention. Students are guaranteed contact with faculty thanks to the mentor-mentee system that is in place. Students can talk to the instructors about their academics and personal issues at these meetings. The pupils receive appropriate counseling from the mentor-faculty. The institute also has a professional counselor on staff, whose assistance is available to students who require it.

V.Cultural development:

Cultural development in college students encompasses a multifaceted journey that shapes their perspectives, expands their horizons, and instills a deep understanding and appreciation for diverse cultures. It is essential for college students as they transition to the workplace, enabling effective interactions across cultural boundaries. RAAKCET fosters cultural awareness, personal growth, and the acquisition of skills that extend beyond academics. Students learn to appreciate diversity, navigate conflicts, and engage with cultural resources, enhancing their overall development.

VI.Moral development:

Moral development in college students is a crucial aspect of their overall growth. Attending college plays a critical role in moral development. Students often exhibit increased moral reasoning during their college years. Students' beliefs about personal responsibility impact their moral development. For freshmen with low moral reasoning scores, causal attribution beliefs matter.

College fosters ethical growth and prosocial development. Students learn to differentiate between right and wrong, manage emotions, and establish mature interpersonal relationships. Inculcating moral values positively impacts self-confidence and attitude. College provides a fertile ground for moral development, shaping students' ethical perspectives and behaviours. Their experiences, beliefs, and engagement all contribute to this essential aspect of personal growth. Moral development is a lifelong process, and college provides an excellent environment for growth.

File Description	Document
Any other relevant information	[View Document](#)
Appropriate web in the Institutional website	[View Document](#)

5. CONCLUSION

Additional Information :

The institution is ISO 9001:2015 certified

The institution has obtained ISO 14001:2015 (Environment Management System) and ISO 50001:2018 certification (Energy Management System) as a part of Green campus initiative by IQAC

Academic and Administrative Audit was conducted by external agency as a part of IQAC initiative

e-governance is implemented for various academic and administrative activities of the institution.

Concluding Remarks :

The institution imparts quality education along with improving the overall skill sets of the students to face the current global scenario.The institution also takes the responsibility to inculcate social, ethical, moral values to the students tthrough various initiatives/programs.