RATHINAM

Celebrate life

RATHINAM TECHNICAL CAMPUS (AUTONOMOUS)

NBA NATIONAL BOARD OF ACCREDITATION FOR CSE, IT & ECE DEPARTMENTS

A+ ACCREDITED NAAC

CGPA Score - 3.45

STUDENTS PERFORMANCE

Student performance in mechanical engineering programs can be assessed through various metrics and indicators, reflecting their understanding and application of mechanical engineering principles.

CRITERION 4. STUDENTS PERFORMANCE

4.1 Enrolment Ratio

4.2 Success Rate in the stipulated period o of the program

4.3 Academic Performance in Third Year

4.4 Academic Performance in Second Year

4.5 Placement, Higher studies and Entrepreneurship

4.6 Professional Activities

4. STUDENTS PERFORMANCE

This Criteria focuses on the attainment of Program Outcomes (POs) and Program Specific Outcomes (PSOs) and evaluates the methods used to measure these outcomes, such as assessments, surveys, and feedback mechanisms. The criterion also examines the level of achievement of these outcomes by students and the use of the results for continuous improvement. Proper documentation and evidence of these processes are

CRITERIA - 4

STUDENTS' PERFORMANCE

Intake Vs Admitted Students	2023 - 24	2022 - 23	2021 - 22	2020 - 21	2019 - 20	2018 - 19	2017 - 18
Sanctioned Intake of the program (N)	30	30	30	60	60	120	120
Total No of the students admitted in first year (N1)	30	29	18	23	9	49	79
No. of Students admitted in 2nd Year – LE (N2)	0	4	14	6	8	1	13
Separate Division Students (N3)	0	0	0	1	1	2	0
Total number of students admitted in the programme (N1+N2+N3)	**30**	**33**	**32**	**30**	**18**	**52**	**92**

Success Rate in the Stipulated	2019 - 20	2018 - 19	2017 - 18
No. of students admitted N1+ N2 + N3 (X)	18	52	52
No. of students who have graduated (Y)	11	9	22
Success Index (SI = Y / X)	**0.61**	**0.17**	**0.42**

Academic Performance in Third Year	CAYm2(2020-21)	CAYm3(2019-20)	LYG(2018-19)
Mean of CGPA or Mean % of all successful students (X)	7.87	7.93	8.12
Total no. of successful students (Y)	13.00	14.00	35.00
Total no. of students appeared in the examination (Z)	20.00	15.00	35.00
API [X * (Y/Z)]	**5.12**	**7.40**	**8.12**

Academic Performance in Second Year	CAYm2(2021-22)	CAYm3(2020-21)	LYG(2019-20)
Mean of CGPA or Mean % of all successful students (X)	8.10	7.92	8.06
Total no. of successful students (Y)	11.00	20.00	15.00
Total no. of students appeared in the examination (Z)	29.00	29.00	17.00
API [X * (Y/Z)]	**3.07**	**5.46**	**7.11**

RATHINAM TECHNICAL CAMPUS | B.E -MECH

attached for accreditation.

4.1 ENROLLMENT RATIO

This typically refers to the proportion of students enrolled in the mechanical department compared to the total number of students in the institution or within a specific program.

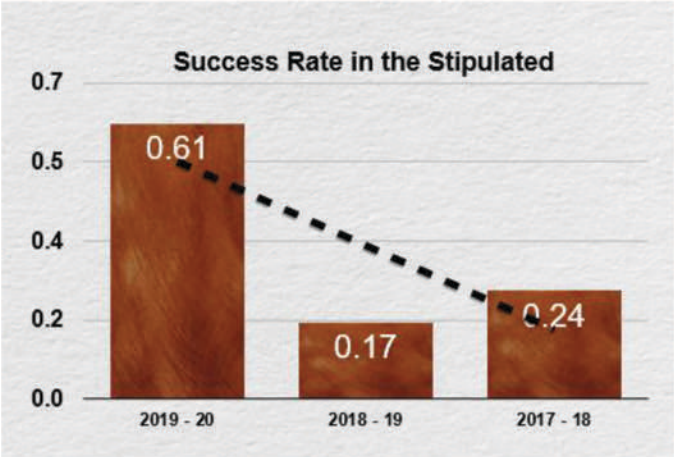
- **Basic Ratio Formula:**

$$\text{Enrollment Ratio} = \frac{\text{Number of Students in Mechanical Department}}{\text{Total Number of Students}}$$

Intake Vs Admitted Students	2023 - 24	2022 - 23	2021 - 22	2020 - 21	2019 - 20	2018 - 19	2017 - 18
Sanctioned Intake of the program (N)	30	30	30	60	60	120	120
Total No of the students admitted in first year (N1)	30	29	18	23	9	49	79
No. of Students admitted in 2nd Year – LE (N2)	0	4	14	6	8	1	13
Separate Division Students (N3)	0	0	0	1	1	2	0
Total number of stucents admitted in the programme (N1+N2+N3)	**30**	**33**	**32**	**30**	**18**	**52**	**92**

4.2 SUCCESS RATE IN THE STIPULATED PERIOD OF THE PROGRAM

The success rate of a program is typically calculated by dividing the number of successful outcomes by the total number of participants or attempts, and then multiplying by 100 to get a percentage. The definition of "success" can vary depending on the goals and criteria set for the program.



4.3 ACADEMIC PERFORMANCE IN THIRD YEAR

Academic performance in a third-year Mechanical Engineering program typically involves evaluating various metrics.

Academic Performance in Third Year	CAYm2(2020-21)	CAYm3(2019-20)	LYG(2018-19)
Mean of CGPA or Mean % of all successful students (X)	7.87	7.93	8.12
Total no. of successful students (Y)	13.00	14.00	35.00
Total no. of students appeared in the examination (Z)	20.00	15.00	35.00
API [X * (Y/Z)]	**5.12**	**7.40**	**8.12**

4.4 ACADEMIC PERFORMANCE IN SECOND YEAR

Academic performance in a second-year Mechanical Engineering program typically involves analyzing a range of indicators and metrics.

Academic Performance in Second Year	CAYm2(2021-22)	CAYm3(2020-21)	LYG(2019-20)
Mean of CGPA or Mean % of all successful students (X)	8.10	7.92	8.06
Total no. of successful students (Y)	11.00	20.00	15.00
Total no. of students appeared in the examination (Z)	29.00	29.00	17.00
API [X * (Y/Z)]	**3.07**	**5.46**	**7.11**

4.5 PLACEMENT, HIGHER STUDIES AND ENTREPRENEURSHIP

In a Mechanical Engineering department, students typically have various opportunities, including placement in industry, pursuing higher studies, and exploring entrepreneurship.

Placement is a critical aspect of evaluating the success and effectiveness of a Mechanical Engineering department. It encompasses various factors, including employment statistics, support structures, and industry connections.

Pursuing higher studies in Mechanical Engineering opens up various advanced career paths and specialized fields.

Entrepreneurship within Mechanical Engineering involves leveraging technical expertise to start and grow businesses or ventures that offer innovative solutions, products, or services. Mechanical engineers

are well-positioned for entrepreneurial success due to their problem-solving skills, technical knowledge, and understanding of manufacturing and design.

A WINNING JOURNEY...

As a result of winning the Smart India Hackathon 2023...

The Rathinam Technical Campus winning team's innovative solution from the Smart India Hackathon was discussed for implementation at SCCL, Telangana, addressing a Ministry of Coal problem. Their project, refined with SCCL experts, showcases government support for leveraging young talent and technology. This collaboration highlights the team's journey from concept to real-world application, potentially transforming the coal mining industry.

The RTC Taekwondo Star!

AJAY. A

Master A. Ajay, III Year Mechanical Engineering, has bagged a gold medal in the Anna University Interzonal Taekwondo Championship.

Interzonal Taekwondo Championship

STATE WEIGHTLIFTING COMPETITION

1st PLACE IN JUNIOR-81KG CATEGORY
3rd PLACE IN SENIOR-81KG CATEGORY

PONDICHERRY STATE WEIGHTLIFTING COMPETITION (STATE LEVEL)

JEFF CORWIN J
Mechanical, 3rd Year

Anna University InterZonal Tournament

3rd Position in the Anna University Inter Zonal Tournament

AJAY. A

III Year Mechanical Engineering

Selected for
ALL INDIA INTER UNIVERSITY
TAEKWONDO CHAMPIONSHIP 2023-2024

In Soccer...

1st Runner-Up in the
Anna University Zonal Level competition.

Our students from Rathinam Technical Campus achieved an impressive feat by securing **1st Runner-Up in the Anna University Zonal Level competition.** Their dedication and hard work exemplify the excellence and competitive spirit of our institution. Congratulations to the team for this remarkable accomplishment!

In Soccer...

THE ANIRUDHS of RTC bagged the coveted winners Trophy in Pollachi premier League Football Tournament

The Anirudhs of Rathinam Technical Campus (RTC) have triumphantly secured the coveted Winners Trophy in the Pollachi Premier League Football Tournament. Their exceptional skills, teamwork, and determination have brought pride to our institution. This victory is a testament to their hard work and passion for the sport. Congratulations to the team for this outstanding achievement and for showcasing the true spirit of RTC!

In Soccer...

Creating a new milestone, our team has proudly won the Aditya Runner-Up Trophy. This remarkable achievement reflects their dedication, hard work, and competitive spirit. Congratulations to all the team members for their outstanding performance and for setting a new benchmark for excellence at Rathinam Technical Campus!

CADD CENTRE
Skills Driven. Job Led

LIVEWIRE
FOR LIVE CAREERS

Synergy
SCHOOL OF BUSINESS SKILLS

A MechThink Engineer in the campus!

Mechanical Engineer A N Bharath Kumar Wins Top Honors at Thinking Engineers 2022

A N Bharath Kumar, a talented mechanical engineer, emerged victorious at the prestigious Thinking Engineers 2022 competition, securing the 1st prize. His innovative solution and exceptional problem-solving skills impressed the judges, setting him apart from the competition.

CADD CENTRE LIVEWIRE Synergy

CERTIFICATE

1ST PRIZE

THINKING ENGINEERS - 2022

This is to certify that Mr. A.N. Bharath Kumar

of Rathinam Technical Campus

Department of Mechanical Engineering

Have won the 1st Prize in Thinking Engineers 2022 Technical Contest During Sep - Oct 2022

CENTRE HEAD

19.11.2022

DATE

An initiative of CADD CENTRE

1st Prize Winner
THINKING ENGINEERS 2022

A N Bharath Kumar

+++++

GODREJ R&D CENTRE

DEPARTMENT OF MECHANICAL ENGINEERING

Building a Future of Innovation and Excellence:

The Memorandum of Understanding (MoU) between Rathinam Technical Campus and Godrej & Boyce Manufacturing Company Ltd. led to the establishment of the Godrej R&D Centre on January 25, 2019. This partnership was renewed on December 8, 2022, reinforcing the ongoing collaboration between the two institutions.

Purpose:

1. Enhance Innovation and Research:
    - Provides students and faculty with access to advanced resources and industry expertise.
    - Bridges the gap between academia and industry.

2. Foster Interdisciplinary Collaboration:
    - Encourages collaboration across various fields.
    - Supports hands-on learning experiences.

3. Focus on Real-World Applications and Sustainable Practices:
    - Prepares students for successful careers.
    - Contributes to technological and social advancements.

Key Research Areas:

At the Godrej R&D Centre, our focus is on advancing technology and creating innovative solutions that align with market needs. Here are some of the key research areas and projects currently underway:

Success Stories

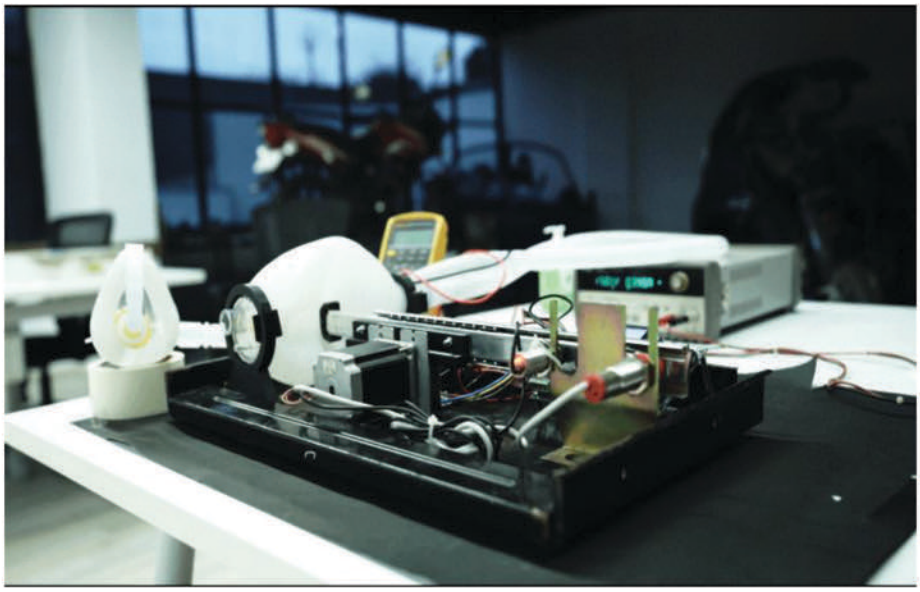
The Godrej R&D Centre has achieved notable success with groundbreaking innovations, such as the

TITLE: PRESSURE BREATHING VENTILATOR (IPPV)

Student Name:Bala Murugan S, Dhamodharan S

Guided Faculty:Mr.Sathish Kumar K S - Associate Professor

Mrs. Kaviya G - Assistant Professor



TITLE: UV DOSTH-MICRO Sterilizer

Student Name: Vaisshak. A, Akkesh.V

Guided Faculty: Mr. Thirumoorthy A - Associate Professor

Mr. Tamil Selvan S - Assistant Professor

Mr. Pandi Elavarasan M - Assistant Professor

TITLE: Integration of IoT for Development Energy-Efficient Cooling System.

Student Name : **Stanly Tennison J, Subire M S**

Guided Faculty : **Mr. Vijayasekaran G - Assistant Professor**

Mr. Tamil Selvan S - Assistant Professor

Mr. Kandasamy K - Assistant Professor

TITLE: Smart IoT Fridge Controller System

Student Name : Rahul L, David Rajan.A

Guided Faculty : Mr. Thirumoorthy A Associate Professor

Mr.Sathish Kumar K S Associate Professor

Mrs. Kaviya G Assistant Professor

Godrej DiSHA
A Godrej & Boyce initiative

MR. GOKUL KRISHNAN K

Recognition of successfully completing a 6-day course in Refrigeration and Air-Conditioning from 22/05/2023 to 30/05/2023 at HO GVTS Centre under Godrej Disha, a vocational training initiative by Godrej Good & Green.

Godrej DiSHA

Certificate

We take pleasure in awarding this Certificate to

MR. GOKUL KRISHNAN K

on the day, 30/05/2023 in recognition of having successfully completed the 6 Days course

From 22/05/2023 To 30/05/2023

in Refrigeration, Air-Conditioning, held at HO GVTS CENTRE

under Godrej Disha, a vocational training initiative under Godrej Good & Green

Mr. Arnab Bagchi
National Head - Service
Godrej Appliance Division

Mr. Shakeel Jamadar
National Training Head - Service
Godrej Appliance Division

Successfully Completing a 6-day Course in Refrigeration and Air-Conditioning

Godrej DiSHA
A Godrej & Boyce initiative

S. DHAMODHARAN

- Recognition of successfully completing the 12-day "Train the Trainer" program from 30/09/2019 to 12/10/2019.
- Trained on:
  Refrigeration, Air Conditioning & Washing Machines.
- Held at GMTS Training Center - Vikhroli, Mumbai under Godrej Disha.

Godrej DiSHA

Certificate

We take pleasure in awarding this Certificate to

Mr. S. Dhamodharan

on this day, the 12th Oct. 2019 in recognition of having

successfully completed the 12 Days Train The Trainer program

From 30/09/2019 To 12/10/2019

in Refrigeration, Air Conditioning & Washing Machine

held at GVTS Training Center - Vikhroli, Mumbai

under Godrej Disha, a vocational training initiative under Godrej Good & Green

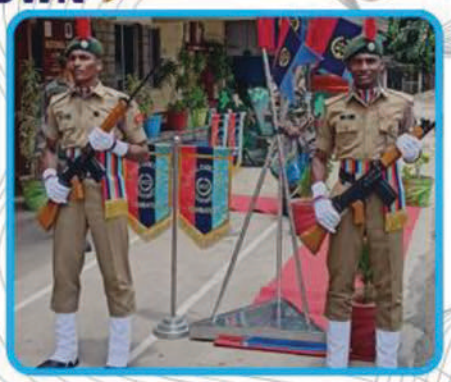
Mr. Ravi Bhat
National Head - Service
Godrej Appliance Division

Mr. Shakeel Jamadar
Training Head - Service
Godrej Appliance Division

A vocational training initiative by Godrej Good & Green.

RAMKUMAR V

RTC's NCC CROWN



RAMKUMAR V

Rank: L/CPL
Grade: "C"
Unit: 2 (TN) BATTERY NCC
NCC Directorate:
Tamil Nadu, Puducherry and A&N

- Cadet Ramkumar V has successfully passed the **Certificate 'B' examination** conducted in 2022.
- Under the authority of the **Ministry of Defence**, Government of India.
- This achievement reflects his dedication and commitment to the National Cadet Corps.

DGNCC/TNP&AN/B/2022/36560

प्रमाण पत्र
CERTIFICATE-B

सं. No. TN20SOA845044
रैंक Rank L/CPL
नाम Name RAMKUMAR V
सुपुत्र / सुपुत्री Son/Daughter of VELLAI SAMY M
यूनिट Unit 2 (TN) BATTERY NCC
जन्म तिथि Date of Birth 26 Feb 2003
राष्ट्रीय कैडेट कोर निदेशालय NCC Directorate TAMILNADU, PUDUCHERRY & ANDAMAN NICOBAR

This is to certify that the above mentioned Cadet has passed the Certificate 'B' Examination in 'C' Grade held in 20..22.. under the authority of Ministry of Defence, Government of India.

क्र. सं. Ser. No. TN/B-CERT/ARMY/
स्थान Place COIMBATORE
दिनांक Date 13 JAN 2023

(VS Shiva Raj) Colonel
Group Commander
NCC Group HQ Coimbatore
Group Commander, National Cadet Corps

RAMKUMAR V

Rank: CUO
Grade: "A"
Unit: 2 (TN) BATTERY NCC
NCC Directorate:
Tamil Nadu, Puducherry and A&N

- Cadet Ramkumar V has successfully passed the **Certificate 'C' examination** conducted in 2023.
- Under the authority of the **Ministry of Defence**, Government of India.
- This achievement reflects his dedication and commitment to the National Cadet Corps.

DGNCC/TNP&AN/C/2023/30631

राष्ट्रीय कैडेट कोर
NATIONAL CADET CORPS

प्रमाण पत्र 'सी'
CERTIFICATE 'C'

सं. No. TN205DA845344
पद Rank CUO
नाम Name RAMKUMAR V
सुपुत्र / सुपुत्री Son/Daughter of VELLAISAMY M
यूनिट Unit 2 (TN) BATTERY NCC
जन्म तिथि Date of Birth 26 Feb 2003
राष्ट्रीय कैडेट कोर निदेशालय NCC Directorate TAMILNADU, PUDUCHERRY & ANDAMAN NICOBAR

प्रमाणित किया जाता है कि उपरोक्तिखित कैडेट ने रक्षा मंत्रालय, भारत सरकार के प्राधिकार के अधीन सन् 20 23 में हुई प्रमाणपत्र 'सी' परीक्षा A ग्रेड में पास कर ली है

This is to certify that the above mentioned Cadet has passed the Certificate 'C' Examination in A Grade held in 20 23 under the authority of Ministry of Defence, Government of India.

क्र. सं. Ser. No. 001594
स्थान Place
दिनांक Date 05 JUL 2023

Add Director General National Cadet Corps
उप-महानिदेशक, राष्ट्रीय कैडेट कोर
Dy Director General National Cadet Corps

Certificate of Participation

Cadet Ramkumar V has participated in the following events:

- Annual Training Camp (CATC) at Hindusthan College of Engineering & Technology, Coimbatore, from 6th February 2022 to 10th February 2022. Cadet Ramkumar V actively participated and stood out during the camp.
- Combined Annual Training Camp cum TSC Selection Camp for SD/SW/JD/JW Boys & Girls, held at Sri Seshaas International Public School, Salem, from 4th May 2022 to 13th May 2022, under the aegis of 12 (TN) BN NCC, Salem.

NATIONAL CADET CORPS

2 (TN) COMPOSITE TECHNICAL COMPANY

CERTIFICATE

This is certify that No. TN06SDA543446 Rank L/CPL
Name RAMKUMAR V S/o / D/o VELLAI SAMY M
of RATHINAM COLLEGE OF ARTS AND SCIENCE, COIMBATORE has attended the ANNUAL TRAINING CAMP / CATC / AT HINDUSTHAN COLLEGE OF ENGG & TECH, COIMBATORE
W.e.f. 06 Feb 2022 to 10 Feb 2022
He / She has participated in ..... and stood .....

Place : Coimbatore
Date : 10 Feb 2022

(Nitish Sharma)
Lt Col
Camp Commandant

134 / 2003

NATIONAL CADET CORPS

(TAMIL NADU, PUDUCHERRY & ANDAMAN NICOBAR DIRECTORATE)

COMBINED ANNUAL TRAINING CAMP CUM THAL SAINIK CAMP

Certificate

No TN205DA845344 Rank L/CPL Name Ramkumar V
of Rathinam College of Arts and Science, Coimbatore (Institution)
of 2 (TN) BTY NCC, Coimbatore has Attended Combined Annual Training Camp Cum TSC Selection Camp for SD/SW/JD/JW BOYS & GIRLS held at Sri Seshaas International Public School, Salem from 04 May 2022 to 13 May 2022, under the aegis 12 (TN) BN NCC, Salem.

Place : Salem
Date : 13 May 2022

(Rakesh Mishra)
Col
Camp Commandant

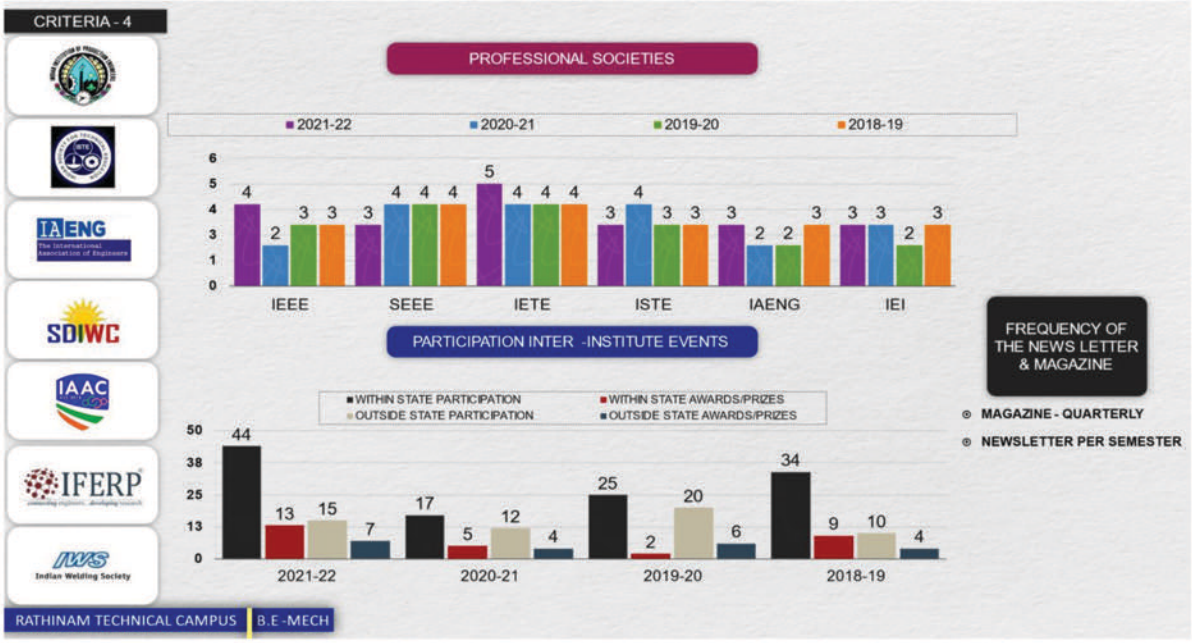
4.6 PROFESSIONAL ACTIVITIES

Mechanical engineering is a diverse field with a wide range of professional activities. Professional activities in mechanical engineering encompass a broad range of tasks and responsibilities that professionals in the field typically engage in.

Managing projects from conception through completion, including budgeting, scheduling, and coordinating with other engineers and stakeholders. Ensuring projects meet technical specifications and deadlines is a key aspect.

Involvement in training and educating future engineers, which may include teaching at educational institutions or conducting workshops and seminars for professional development.

Working with interdisciplinary teams and collaborating with professionals from other fields to integrate mechanical engineering solutions into larger systems or projects.


CRITERIA - 4
PROFESSIONAL SOCIETIES
2021-22
2020-21
2019-20
2018-19
IEEE
SEEE
IETE
ISTE
IAENG
IEI
PARTICIPATION INTER -INSTITUTE EVENTS
WITHIN STATE PARTICIPATION
WITHIN STATE AWARDS/PRIZES
OUTSIDE STATE PARTICIPATION
OUTSIDE STATE AWARDS/PRIZES
2021-22
2020-21
2019-20
2018-19
FREQUENCY OF THE NEWS LETTER & MAGAZINE
MAGAZINE - QUARTERLY
NEWSLETTER PER SEMESTER
RATHINAM TECHNICAL CAMPUS
B.E -MECH

Celebrate life

RATHINAM

RATHINAM

TECHNICAL CAMPUS

(AUTONOMOUS)

NATIONAL BOARD OF ACCREDITATION

FOR CSE, IT & ECE DEPARTMENTS

A+ ACCREDITED NAAC

CGPA Score - 3.45