RAJALAKSHMI ENGINEERING COLLEGE, THANDALAM, CHENNAI
(An Autonomous institution, approved by AICTE and affiliated to Anna University)

Minutes of the 12th Meeting of the Governing Body held on 16-07-2024

Venue: Conference Hall **Time: 10.30 am**

AGENDA

S.No.	Items
GB.12.01	Action taken on the minutes of the 11th Governing Body meeting held on 25.10.2023
GB.12.02	Seeking the approval of the Governing Body for the following, regarding Curricula and syllabi for UG & PG programmes and increase in the number of permissible online courses and recommended by the Academic Council at its meeting held on 06.07.2024 • Curriculum and syllabus framed for III and IV Semesters, for all the 19-UG and 9-PG programmes, based on Regulations 2023 and • Syllabus framed for semesters V to VIII for B.Tech. – AI &DS started in the year 2022 and for semesters VII & VIII, for B.E. – CSD started in the year 2021, based on Regulations 2019 (Revised), • Regrouping of Electives under different verticals for B.E. Mechanical Engineering programme • Inclusion of additional electives for B.E. Computer Science and Engineering • Revision of Curriculum and syllabus for M.Tech. Data Science, supported by L&T Mindtree from 2024-25 batch onwards • Proposal to increase the number of online courses for the students of the UG programmes , from the V semester onwards for enabling transfer of credits
GB.12.03	Seeking the approval of the Governing Body for increase in the intake in 6 UG programmes from the academic year 2024-25
GB.12.04	Seeking Governing Body's Guidance for reframing the Vision and Mission statements of the College
GB.12.05	Reporting the results of the First-Time NBA accreditation for B.Tech. Chemical Engineering and B.Tech. Food Technology
GB.12.06	Reporting the recent developments/Achievements of the students, faculty and the College
GB.12.07	Any other Points

The following members attended the meeting:

S.No.	Name of the Member	Title
1	Dr. (Mrs.) Thangam Meganathan, M.A., M.Phil., Ph.D.	Trustee and Chairperson
2	Dr. A. Sivathanu Pillai Distinguished Scientist, Former R&D Head - DRDO, Ministry of Defence, Govt. of India Founder & former CEO, Brahmos Aerospace,	Trust Nominee
3	Dr. Mohan Munasinghe Nobel Laureate and Vice Chair of the UN Intergovernmental Panel on Climate Change	Trust Nominee
4	Mr. Ganesan Former Global HR Head, Tata Consultancy Services	Trust Nominee
5	Prof. Dr. C.R. Muthukrishnan, Advisor, Rajalakshmi Institutions, Former Deputy Director, IIT-M & Consulting Advisor, Tata Consultancy Services	Trust nominee - Academician
6	Dr. Lalitha Balakrishnan Former Principal, M.O.P. Vaishnav College for Women (Autonomous)	Trust nominee - Academician
7	Dr. V.R. Giridev Professor, Department of Textile Technology, A.C. Tech Campus, Anna University, Chennai	Anna University Nominee
8	Dr. S. Gopi Assistant Director (Planning) Directorate of Technical Education, Tamil Nadu	State Government Nominee
9	Dr. M. Subbiah Professor Emeritus, Department of Electrical & Electronics Engineering	Faculty Member of the College
10	Dr. T. Thamizhselvan Associate Professor, Department of Electrical & Electronics Engineering	Faculty Member of the College
11	Dr. S.N. Murugesan, M.E., Ph.D. Principal	Member Secretary / Ex-Officio

Invited Members

1.	Mr. I. Philip Praveen Director (Training & Placement) and Dean (Student Affairs), REC
2.	Mr. P. Jeeva Kalyana Sundaram Executive Officer (Administration), REC

The following members requested leave of absence due to prior commitments.

S.No.	Name of the Member	
1	Thiru. S. Meganathan	Chairman of the Trust
2	Mr. M. Abhay Shankar, B.E., M.S.	Trustee and Vice Chairman
3	Dr. M. Haree Shankar	Trust Member
4	Mr. K. Jayaramakrishnan Mitraa Limited	Trust Nominee
5	Mr. R. Vijayakumar Director, Rajalakshmi Automobiles Pvt. Ltd.,	Trust nominee - Industrialist

Dr. Mrs. Thangam Meganathan chaired the meeting and welcomed the members.

In the introductory remarks, Chairperson introduced the new members of the Governing Body, Dr. Mohan Munasinghe, Nobel Laureate and Vice Chair of the UN Intergovernmental Panel on Climate Change and Dr. Lalitha Balakrishnan former Principal, M.O.P. Vaishnav college for Women, an eminent Educationist and Administrator. She also thanked all the members for their valuable suggestions for the continuous enhancement of the quality and the growth of the institution in all its endevours.

The principal gave a power point presentation, starting from the details of Accreditations and Ranking of REC by the various organisations. The presentation included the major achievements of the Institution and the competitions won by the students. The details of students' placement Faculty publications, Patents granted, Research funding and facilities created, Consultancy projects and activities of Centres of Excellence, recently introduced Learning facilities such as Linkedin for the campus and MATHLAB Tools with campus license, Industry supported Training Labs, and Industry/ University collaborations.

The agenda points were taken up for discussion.

GB.12.01	Action taken on the minutes of the 11th Governing Body meeting held on 25.10.2023

1. The Curricula and syllabi of Regulations R2023, recommended by the by the Governing Body at its meeting held on 25.10.2023, have been implemented from the academic year 2023-24 onwards for the I and II Semesters of all the 19 UG and 9 PG Programmes.

2. In the 10th meeting held on 23-9-2022, the Governing Body had approved, in principle, the offering of Honours degree and Minor programs, from the academic year 2023-24 for the students who have joined in the academic year 2021-2022, commencing from their 5th Semester of studies, in accordance with the Regulations R2019 (Revised).

In the 11th Governing Body meeting, the following aspects were discussed and approved:
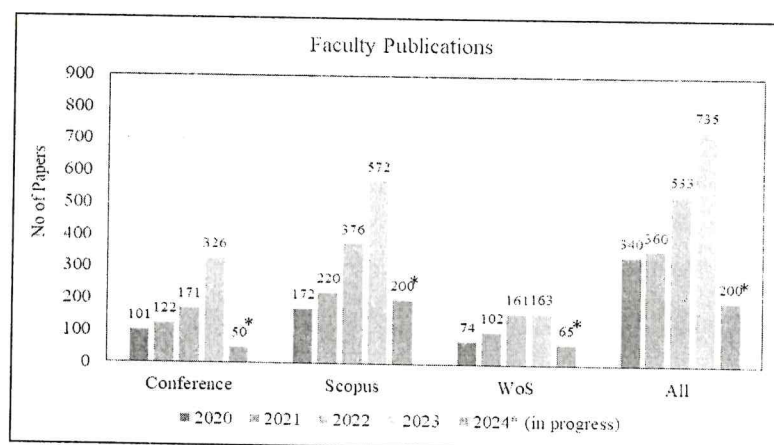
- Eligibility to join the Honours and Minor degree programs
- Eligibility for securing B.E./ B. Tech. (Honours) degree
- Eligibility for securing B.E./B.Tech. (Honours) degree with specialization in the same programme
- Eligibility for securing B.E./B.Tech. with Minor in one of the 8 specializations in another programme.

Accordingly, from the academic year 2023-24, these additional provisions are given and 6 students have been admitted for the Honours degree and 10 students for Minor specialization.
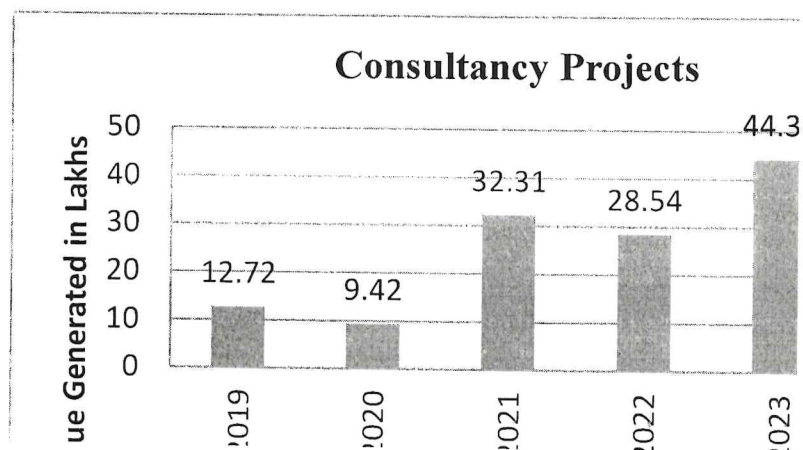
3. In the 11th Governing Body meeting, Dr. Sivathanu Pillai, mentioned that increased focus on research and funded projects will help in improvement in ranking of REC.

NIRF details were presented in the **ANNEXURE – I** with the Agenda. Mr. Ganesan suggested that a comparative picture of the institutions close to REC and above in the ranking would provide better guidelines for improving the rank for REC.

Accordingly, improvement made in publications, research, patents and consultancy activities are presented below:

Faculty Publications

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Consultancy Projects

Revenue Generated in Lakhs

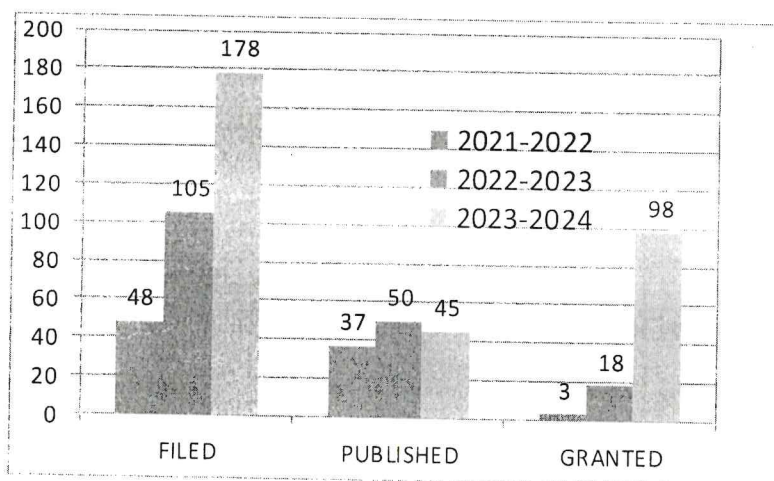| Year	Value
2019	12.72
2020	9.42
2021	32.31
2022	28.54
2023	44.3

- **Sponsored projects:**
  - After the 11th Governing Body held in October 2024, three projects with a funding of 62.97 Lakhs have been sanctioned.
  - A project entitled "Integrated Magneto-Acousto-Dielectrophoresis based Microfluidics for the Sorting of Bovine Spermatozoa" with funding of 700 Lakhs is in the final stage of approval by Livestock and Animal Biotechnology Division of DBT. REC is one of the following seven prestigious institutions involved in the execution of this project.

    1. RAJALAKSHMI ENGINEERING COLLEGE
    2. Indian Veterinary Research Institute (IVRI) located at Izatnagar, Bareilly, UP
    3. IIT DELHI
    4. IIT MADRAS
    5. Institute of Nano Science and Technology (INST), Mohali.
    6. Lala Lajpat Rai University of Veterinary & Animal Sciences Hisar, Haryana.
    7. University of Allahabad

- **Patents**

Patent data (2021-2022, 2022-2023, 2023-2024):

Category	2021-2022	2022-2023	2023-2024
FILED	48	105	178
PUBLISHED	37	50	45
GRANTED	3	18	98

4. In the 11th Governing Body meeting, Dr. Sivathanu Pillai mentioned that an M.Tech. course in Defence Technology is available with syllabus designed by DRDO and approved by AICTE, comprising theory courses in the First year and project in DRDO Labs in the Second year, the minimum qualification being B.E. / B.Tech. degree in any discipline. With the CVRDE at Avadi, Chennai and a Defence corridor coming up in Tamil Nadu, the M.Tech. in Defence Technology program may be considered for introduction in REC.

The M.Tech. course on Defence Technology is being planned in the coming years.

5. Following on the suggestion of Dr. Sivathanu Pillai in the 11th Governing Body meeting, with regard to establishing laboratories and forming working groups in the emerging areas, the college has submitted a proposal for funding, under Telecom Technology Development Fund (TTDF) scheme, Department of Telecommunications (DoT), GoI, in November 2023. This proposal on *"Empowering 6G Networks with Cognitive Radio, NOMA and Deep Learning Approach for Efficient Spectrum Sensing and Sharing"* is one of the few proposals at national level, recommended for Stage II Evaluation and we have also communicated our commitment of 10% of the project cost to be borne by REC, as required by DoT.

AI Skills Laboratory has been established in REC Campus collaboration with Intel & Dell to fill the digital skills gap and empower students by incorporating Intel's 'AI for Youth' program.

6. As suggested by the Members of Governing Body in the 11th Governing Body meeting, steps are taken to enhance the number of students undergoing internship in industries. Wherever, we are not able to get permission from industries, hands-on trainings are being organised by various Centres of Excellence, in collaboration with industry experts to address this gap. So far, close to 2000 students have already completed their internship in 2023-24. MoUs signed with industries also help in securing internship for students.

In this context, a TANCAM (Tamil Nadu Centre of Excellence for Advanced Manufacturing) spoke centre has recently been established in the college, in which 136 faculty members have taken training in CAD/CAM conducted by experts from TANCAM. Further, Mr. R. Natrajan, EGS India Private Limited is offering a course on "Geometric Dimensioning and Tolerances" for the past three years; three Professors of Practice have been recruited: (i) Prof. Panda from the Central Leather Research Institute for Chemical Engineering, (ii) Prof. Vasu Vadalamani from Cognizant Technology Solution for Computer Science and Engineering and (iii) Mrs. Prema Anand from HCL Technologies for Information Technology. These Professors are providing industry-based problems and projects to the students.

7. UG and PG Programmes for working Professionals

For the following UG & PG degree programmes for the working professionals, sanctioned by AICTE, Anna University was requested for approval. Since the Academic Year 2023-24 had already started, University has deferred the commencement of the courses to the Academic Year 2024-25; the final approval for starting from 2024-25 is awaited form the University.

Under Graduate Programmes
1. B.E. – Computer Science and Engineering — - 30 intake
2. B.E. – Electronics and Communication Engineering — - 30 intake
3. B.E. – Mechanical Engineering — - 30 intake

Post Graduate Programmes:

1. M.E. - Computer Science and Engineering — - 15 intake
2. M.Tech. – Biotechnology — - 15 intake
3. M.Tech. – Data Science — - 15 intake

In this context, Dr. Giridev informed that Anna University is finalizing the reservation norms for admission process in these programmes and the necessary announcement will be communicated.

When taking note of the Action taken in Agenda GB12.01, Dr. Sivathanu Pillai pointed out that more efforts should be taken in respect of faculty publication, as seen from the marks awarded for the institutions with higher NIRF ranking as the bench mark.

Dr. Mohan Munasinghe, said that there should be a system for measuring the performance of the faculty in Publications.

Dr. Lalitha Balakrishnan, mentioned that faculty may be provided flexibility in time management for effectively teaching curricular subjects and for research.

Dr. Giridev said that college can encourage students to pursue projects in the industry. In such cases, in addition to the internal guide from the department, there should also be a Guide from the industry, to align the project outcomes with the present industrial needs. Multi-disciplinary projects, with teams comprising students from different programmes will be an added advantage in this regard.

GB.12.02	Seeking the approval of the Governing Body for the following regarding Curricula and syllabi for UG & PG programmes and increase in the number of permissible online courses and recommended by the Academic Council at its meeting held on 06.07.2024 - Curriculum and syllabus framed for III and IV Semesters, for all the 19-UG and 9-PG programmes, based on Regulations 2023 and - Syllabus framed for semesters V to VIII for B.Tech. – AI &DS started in the year 2022 and for semesters VII & VIII, for B.E. – CSD started in the year 2021 based on Regulations 2019 (Revised), - Regrouping of Electives under different verticals for B.E Mechanical Engineering program - Inclusion of additional electives for B.E Computer Science and Engineering - Revision of Curriculum and syllabus for M.Tech. Data Science, supported by L&T Mindtree from 2024-25 batch onwards - Proposal to increase the number of online courses for the students of the UG programmes from the V semester onwards for enabling transfer of credits

The details of the Curriculum and syllabus are made available in the following links:

UG courses	PG Courses
1. B.E. Aeronautical Engineering 2. B.E. Automobile Engineering 3. B.E. Biomedical Engineering 4. B.Tech. Biotechnology 5. B.Tech. Chemical Engineering 6. B.E. Civil Engineering 7. B.E. Computer Science and Engg. 8. B.E. Electronics and Communication Engg. 9. B.E. Electrical and Electronics Engg. 10. B.Tech. Information Technology 11. B.E. Mechanical Engineering 12. B.E. Mechatronics 13. B.Tech. Food Technology 14. B.Tech. Computer Science and Business Sytems 15. B.Tech. Artificial Intelligence and Machine Learning 16. B.E. Robotics and Automation 17. B.E. Computer Science and Design 18. B.Tech. Artificial Intelligence and Data Science 19. B.E. Computer Science and Engg. (Cyber Security)	1. M.E. Avionics 2. M.E. Medical Electronics 3. M.Tech. Biotech 4. M.E. Computer Science and Engg. 5. M.E. Communication Systems 6. M.E. Embedded System Tech 7. M.E. Engineering Design 8. M.Tech. Data Science (L&T EduTech) 9. M B A. Master of Business Administration

- Approval is sought for the following:
  o Syllabus framed for the courses
    - for semesters V to VIII, for B.Tech. – AI &DS started in the year 2022, based on Regulations 2019 (Revised) (The details are given in **ANNEXURE –II)**
    - for semesters VII & VIII, for B.E. – CSD started in the year 2021, based on Regulations 2019 (Revised) (The details are given in **ANNEXURE – III)**
  o Regrouping of Electives under different verticals by the Department of Mechanical Engineering (The details are available in https://www.rajalakshmi.org/downloads/syllabus/R2019R/R2019R-Mech-Curriculum_and_Syllabus.pdf)
  o Inclusion of additional electives by the Department of Computer Science and Engineering (The details are available in https://www.rajalakshmi.org/downloads/syllabus/R2019R/R2019R-CSE-Curriculum_and_Syllabus.pdf)

- The college has entered into an MoU with **L&T Mindtree** for conducting the PG programme on M.Tech. Data Science, as per Regulations 2023. This MoU provides the following features:

  o Revising the curriculum and syllabus as per industry requirement
  o Training the faculty members to teach the subjects
  o Few courses will be handled by L&T Mindtree
  o Offering internship to the students and also placement

  This programme has been approved by the Board of Study and the Academic Council.
  The details are available in the link M.Tech. Data Science (L&T Mindtree).

- In order to increase the scope for self-learning and also to provide opportunity for students to get exposure and experience in varied academic environment and assessment schemes, it is proposed to increase the number of online courses for credits transfer from 3 to 5 in Regulations 2023, and from 2 to 5 in Regulations 2019 (Revised), subject to a maximum of 15 credits in both regulations, in lieu of elective courses.

Dr. Gopi, said that, in the curriculum, enough number of laboratory-oriented theory courses should be included as they will give an opportunity for the students to verify the concepts learnt in class rooms, then and there, which will strengthen their knowledge and confidence in these subjects. Dr. Sivathanu Pillai mentioned that the IDEA lab established recently in the college will also very much serve this need of students. Dr. Giridev said that the students opting for Honours Degree programme also will have the advantage of gaining deep knowledge in the chosen discipline.

Dr. Mohan Munasinghe said students should be given opportunities to learn recent disruptive technology trends so that they will get placement in tech companies by the time they graduate. He also recommended that courses on Sustainability to be included appropriately in the

curriculum of all the disciplines. The Principal informed that the Industry - Institute Interaction Cell (III Cell) functioning in the college is actively engaged in consultancy projects. Students are also participating in these projects and get an exposure to practical problems in emerging areas in various industries. He also informed that faculty members coming out with viable project proposals are given seed money and also facilities for carrying out initial experimentation. Dr. Sivathanu Pillai said that such investigators can also be asked approach IITM Pravartak for further assistance. The Principal mentioned that so far 15 teams have presented their ideas to Dr. Sivathanu Pillai, and based on the guidance given, the teams are working on their projects to take it to next level. He also mentioned that 6 ideas have been recognized by MSME and a grant of 1.6 Crores has been sanctioned to build prototypes.

Dr. Sivathanu Pillai said that similar to collaborating with L&T Mindtree for the M.Tech. - Data Science, M/s TVS motor company could also be approached for framing the curriculum and syllabus for certain relevant PG courses,

After a detailed discussion, the Governing Body **RESOLVED** to approve the items in Agenda 12.02

GB.12.03	**Seeking the approval of the Governing Body for Increase in the intake in 6 UG programmes from the academic year 2024-25**

Seeking the approval of the Governing Body for increase in the intake in 6 UG programmes from the academic year 2024-25

1. B.E.- Electronics and Communication Engineering from 240 to 360
2. B.E.-Computer Science and Engineering from 300 to 540
3. B.E.-Computer Science and Engineering (Cyber Security) from 60 to 120
4. B.Tech.-Information Technology from 240 to 300
5. B.Tech.-Artificial Intelligence and Machine learning 180 to 240
6. B.Tech.-Artificial Intelligence and Data Science 180 to 300

AICTE has given approval for the above increase in intake, *from the academic year 2024-25 onwards. The approval of Anna University, Chennai, is awaited.*

Dr. Sivathanu Pillai asked what percentage of NRI students are studying in REC. Dr. Thamizhselvan replied that there are 50 students admitted in 2023-24 under NRI and Foreign National category; for 24-25, 82 students have applied under this category. Mr. Philip Praveen said that the parents from Myanmar also want to send their wards to India, but their study pattern is 11 years schooling plus 5 years engineering, differs from our pattern of engineering education.

Dr. Sivathanu Pillai asked whether all the seats are filled in all the core courses. Dr. Thamizhselvan replied that in the previous academic year 2023-24, for the approved total intake

of 2310, 9589 applications were received for the 50% management quota of 1155 seats, and for the current academic year 2024-25, for the total intake of 2970 (due to increased intake in the 6 branches mentioned in the agenda), the number of applications also has increased to 12285, for the 50% management quota of 1485.

The principal also added with regard to PG Engineering/Technology courses, in the previous academic year 2023-24, **totally** 77 students joined in the PG programmes (excluding MBA) and based on an entrance test, 28 students were selected for the award of a monthly stipend of Rs. 25,000/- for M.E. – CSE (3) and M.Tech. – Data Science (8) and Rs.20,000/- for all other PG branches (17).

Dr. Gopi asked whether sufficient faculty members are available for teaching the increased intake in the 6 UG programmes. Principal replied that recruitments have already been completed to meet the AICTE guidelines, well before the online inspection by AICTE.

Following the discussions as above, the Governing Body RESOLVED to approve the Increase in the intake in 6 UG programmes from the academic year 2024-25

GB.12.04	Seeking Governing Body's Approval and Guidance for reframing the Vision and Mission statements of the College

The current Vision and Mission statements were framed at the inception of our college. It is proposed to reframe these statements to align with the recent developments in the higher education space and also considering the substantial growth of our institution in its various facets of functioning over this period of two decades. Taking cognizance of the importance of this initiative, the guidance of the members of the Governing Body is sought in this regard.

Dr. Mohan Munasinghe pointed out that the Sustainable Development Goal 4 aims to ensure inclusive and equitable quality education and promote lifelong learning opportunities for all. This goal supports the reduction of disparities and inequities in education, both in terms of access and quality. This goal can be suitably worded and included in the Vision Statement. Suitably planning and providing opportunities for all and optimising the resources could be added in the Mission statement.

Dr. Sivathanu Pillai suggested that sustainability, energy and environment are significant in engineering and technology both in development and education and may be suitably incorporated in Vision and Mission for REC.

It was decided that, based on the guidelines provided, the Vision and Mission statements will be reframed.

GB.12.05	Reporting the results of recent NBA accreditation for B.Tech. Chemical Engineering and B.Tech. Food Technology

The NBA Expert Committee visited our campus for the accreditation of following two programmes during 24-26 May, 2024.

- B.Tech. Chemical Engineering
- B.Tech. Food Technology

These two programmes have been accredited for THREE years (valid till June 2027). Members of the Governing Body appreciated the efforts taken by the respective departments and IQAC.

GB.12.06	Reporting the recent developments/Achievements of the students, faculty and the College

The Internal Quality Assurance Cell (IQAC) meets once in a semester and the recent meeting was held on 6th April 2024 to monitor the progress made in

i) introduction of Balanced Score card for faculty to encourage and motivate them to contribute wholistically for the overall development of the institution.

ii) Further enhancing the collaboration with Universities Abroad, in terms of identifying new partners for offering students semester study Abroad, Twinning programmes, Dual Degree etc.

iii) Apart from taking online feedback and general counseling every semester, Annual Student Satisfaction Survey has been introduced to identify the areas of concerns for taking corrective measures and ensure conducive learning environment for students.

The minutes of the meeting of IQAC is given in **ANNEXURE – IV** for the kind information of the Members of the Governing Body.

Participation in the organisation of Defense Expo 2023

Our college was a part of organising committee for the Defense Expo 2023 conducted by Swatantra Foundation & FIMA and the principal was a Member of the Academic Committee of this Defence Expo - Edition 2.0, for connecting relevant Academic Institutions and their research / incubator services with the Aerospace & Defense sector companies. Dr. L. Priya, Coordinator of Industry Institute Interaction Cell, headed the industry-Academia Relations in the M2M Defense Expo. We received a consultancy request from the Navy Dockyard through the Defense Expo 2023 and visited their facilities for proof-of-concept work, which is currently in progress. We are establishing contact with the defense corridor through these initiatives and plan to implement an M.Tech. programme in Defence Technology in the coming years.

Principal also mentioned that in the academic year 2023-24, an UG programme on Computer Science and Engineering (Cyber Security) has been introduced with an intake of 60 students, as reported in the last GB meeting.

INSTITUTIONAL LEVEL ACHIEVEMENTS

❖ Anna University approved our college **as an Institute Level Research Center** in May 2024, valid for Three years.
❖ QS I-GAUGE rated REC as **DIAMOND** in 2023.
❖ Signed MoUs with **Zoho, Hexaware** and **Wipro** for strategic Hiring
❖ Departments have signed **13 MoUs** with different industries and organizations

NPTEL RANKING

❖ In all India level, our college has secured
• 38th Rank with AA star during JAN-April 2024
• 37th Rank with AA star during JUL - Nov 2023

COLLABORATION WITH UNIVERSITIES ABROAD:

❖ Organized a workshop on Design Thinking during OCT 16-18, 2023, by Prof. Michael V. Testani Senior Director of Industry Outreach, Binghamton University, USA

❖ Organized a course on Deep learning for students during June/July 2024 by Prof Dr. Richard K Min, University of Texas Dallas. USA

INCENTIVES FOR FACULTY MEMBERS-2023

In order to motivate the faculty members and to promote the innovation in the college; by encouraging high-quality Publications, Patents, Sponsored Research and Consultancy, REC annually celebrates "Publication, Patents, Sponsored Research and Consultancy Day" in the month of April and gives awards to faculty members who have made significant contributions in these areas in the preceding Calendar year.

This day was celebrated on 24th April, 2024 and incentives were given to the faculty members for their contribution and achievements in year 2023 in the Four categories - Research, Publications, Patents and consultancy. **Total incentives awarded amounts to Rs.85 lakhs.**

MAJOR ACHIEVEMENTS OF STUDENTS

• A total of 98 projects submitted by students were selected for Tamilnadu State level - 2023 project competition – "Naan Mudhalvan - Niral Thiruvizha".

- Winner in Smart India hackathon SIH 2023 held at Bhopal with 1 lakh cash prize under software category

- Overall championship in "Mega All-Terrain Vehicle championship" held at Goa during 10-12 May 2024 –with ₹ 50, 000 cash award

- Won awards in six categories in the "Luminous SIEP E-Bike Challenge" in January 2024 at Bhopal with total cash prize of ₹70,000

- A team of CSE and IT students has won "Catch The Flag" (CTF) a hackathon event conducted by IITM PALS and Edith Cowan University Australia and secured a top place among ten teams of AICTE-NCIIPC Pentathon 2024. The team is identified for "Vulnerability Assessment and Penetration Testing" (VAPT) exercise of our Nation's Critical Information Infrastructure.

ESTABLISHMENT OF A TANCAM SPOKE CENTRE

A TANCAM SPOKE centre (Tamil Nadu Centre of Excellence for Advanced Manufacturing) has been established in our campus for offering the Modeling and Simulation course using 3DEXPERIENCE (3DX) suite of software. Students are being offered training by industry experts in this area.

LinkedIn Learning for our campus, - login credential provided to

- ❖ all our faculty members for up-skilling through LinkedIn modules and
- ❖ all our students for their career development

PLACEMENT RECORD [2020-24 Batch]

Details	CORE	IT	OTHERS	TOTAL
Companies Visited	156	167	14	337*
Offers	334	933	218	1485*

Students placed	• 987*
Highest CTC	• 18 LPA
Median CTC	• 4.6 LPA
Average CTC	• 4.61 LPA
Placement Percentage*	• 79.88 %

Dr. Sivathanu Pillai asked, which Centre of Excellence among the 15 is likely to become very well known by industry. The principal replied that the CoE on MEMs and Microfluidics, CoE on Computational Fluid Dynamics and COE on Renewable energy are progressing well. Dr. Lalitha Balakrishnan said that the faculty members engaged in such research activities can be posted in Linked-in profile for greater reach and networking. Dr. Sivathanu Pillai suggested that faculty members working in areas such as Generative AI and Robotics can interact with Hyundai Motors unit nearby; he offered to help the faculty to approach CVRDE - Avadi, which will also provide substantial funding for feasible projects.

Dr. Gopi asked about the assessment pattern being followed for the NPTEL courses. Principal replied that for NPTEL courses, the assessment of NPTEL is taken for grading and for the online courses offered by industries, a structured assessment method is being followed – details may be seen in **Annexure V**. He also added that the college bears the registration fee for students taking an NPTEL course if he/she has achieved top ranking in the NPTEL course.

Dr. Sivathanu Pillai said that experienced experts in the field of Avionics who are in the verge of retirement are available for appointment as professors of Practice.

Dr. Lalitha Balakrishnan added that industry experts will provide valuable guidance to students doing industry-oriented projects.

In this context, Mr. Ganesan said that he can support, the Professors of Practice having extensive industrial experience, in teaching approaches, to make the delivery of the subject effective for the benefit of the students.

Principal informed that for promoting Sponsored Research, a sum equal to 5% of the Project Grant is offered by the college incentive to the Project investigators., Dr. Sivathanu Pillai suggested that the incentives can be increased to 10%.

Dr. Mohan Munasinghe said that students can be trained in Drone technology and emerging areas in electronics and engineering, which will equip them for many placement opportunities.

GB.12.07	Any other Points

12.07.1 To a query by Dr. Sivathanu Pillai, on updating the knowledge of faculty on emerging areas, the principal mentioned that recently more than 100 faculty members have undergone FDP, in the TANCAM/TANSAM centres recently, conducted by experts from these centres. Dr. Sivathanu Pillai said that in this regard, Dr. Mangala Sundar, former professor of IIT Madras, who organized the conduct of NPTEL courses, can be approached for encouraging faculty to take up more FDPs in niche areas. He also suggested that faculty can be trained in universities abroad, with whom MoUs have been signed. In this context, Dr. Thamizhselvan informed that he participated in NAU's Scholars Academy program for three months in Northern Arizona University from January 2019 and worked on Multi level Inverters, in the field of Power Electronics. In 2022 two faculty members from CSE visited UT Dallas.

The Chairperson added that an SOP has to be formulated for offering training to the staff members in the Administration also.

12.07.2 The note comprising of the guidelines for appointment of Scientists / Professors of Practice, put up by the HR department was presented by the Principal.

After discussion, the Governing Body resolved that the guidelines may be adapted and Professors of Practice can be appointed by the departments as per needs, based on years of industry experience and specialization of the candidate.

The guidelines for the appointment of Scientists were deferred for a detailed review.

12.07.3 Dr. Sivathanu Pillai enquired about the extent of Alumni connect of the institution, since alumni could be our ambassadors in many of our ventures. Mr. Philip Praveen said that alumni meetings were held in Bangalore, in the University of Texas at Austin and the University Arizona at Tempe. Further annual reunion meetings are being conducted in the college where suggestions from alumni are taken in many of our activities. Alumni also participate as members in the respective Boards of Studies and the IQAC committee; they are invited to deliver guest lectures, help in arranging internship for students, act as Jury members in students' competitions and conduct Online Tech series lectures in emerging areas. Their help is sought and obtained in consultancy activities. Recently, with their suggestion, a software solution has been supplied to FLY-91 Airlines. Dr. Sivathanu Pillai added that alumni can help in securing funds in taking up projects in emerging areas such as MEMS and Chip manufacturing.

12.07.4 The principal also mentioned that there are plans for setting up a Chip Testing Laboratory in the campus. Dr. Sivathanu Pillai said that National University of Singapore (Taiwan) can be contacted for executing this plan.

12.07.5 Dr. Sivathanu Pillai asked whether there are faculty members who have acquired Ph.D. degree from universities abroad in the recent recruitment. Principal replied that this information will be given in the next GB meeting after the recruitment processes are completed for this academic year

Dr.S.Gopi

Dr. M. Subbiah 16-7.24

Dr.C.R.Muthukrishnan

Dr.T.Thamizhselvan

Dr. S.N. Murugesan
16/7/24

Dr. (Mrs.) Thangam Meganathan