



RVS COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

NAAC Accredited and ISO 21001:2018 certified Institution, Kumaran

Kottam Campus, Kannampalayam (Po), Coimbatore – 641 402



ANNUAL REPORT

ACADEMIC YEAR : (2022-23)

INTRODUCTION

It is my great pleasure in presenting the Annual Report of RVS College of Engineering and Technology, documenting its development and achievements for the Academic Year 2020-21. RVS college of Engineering and Technology started in the year 2007 with 4 UG courses and intake of 240 students has 6 UG courses (300) ,4 PG courses (72) and 2 Ph.D Research Centre (10) an intake of 382 students today.

NAAC ACCREDITATION & ISO CERTIFICATION:

The institution is accredited by NAAC with B++ grade valid up to August 01, 2027 and including the sites and scope of application see enclosure has implemented an Educational Organizations Management System in accordance with **ISO 21001:2018** For scope of Imparting Education Leading to Undergraduate and Post graduate Courses in Engineering and Ph.D Programme. The certificate is valid from 2021-03-24 until 2024-03-23 (Certificate Registration No.99 135 00033) and certified by TUV SUD South Asia Private Limited.

GOVERNING BODY AND ACADEMIC COUNCIL OF THE INSTITUTION

The institution conduct Governing Body Meeting and Academic Council Meeting every Academic Year with the presence of well experienced experts from academic institutions and industries to review the academic activities and to enhance the growth of the institution.

The institution academic activities are guided by the Dr. P. Rajendran, Principal as well as experts of Academicians from various institutions and currently by the Advisor of the Institution.



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ACHIEVEMENT OF INSTITUTION

- The institution have been accreditation by **NAAC with a grade of B++** valid from 02.08.2022 up to 01.08.2027
- The institution is certified by **ISO21001:2018** of the certification body of TUV SUD South Asia Private Limited.
- The Institution has inaugurated IEDC (Innovation Entrepreneur Development Cell) with two startup companies named as AURA Design Pvt Ltd, NATuSHA Software Solutions , Coimbatore

RESEARCH & CONSULTANCY

In the area of Research & Consultancy, the faculty members and students have applied for various research proposals in TNSCST, DST, and CSIR etc. Apart from Government agencies, faculty members from various departments have applied for Non-government consultancy projects. In that nine projects been sanctioned with a total revenue of 11.59 Lakhs.

- Dr. K. Karuppasamy & Ms. M. Gowri from Computer Science and Engineering have been sanctioned Rs 0.954 Lakhs from Aura Design Agency, Madurai for carrying out the consultancy project on the title “Website Designing” for a period of 6 month.
- Dr. S. Daniel, E. Saraswathi & M. Ancy form Science and Humanities received Rs. 1.8 Lakhs for doing the project on the title “Test Methods For Effectiveness of Fire Extinguishing Powder” for a period of 12 month from Surya Fire Service, Coimbatore.
- Rs 2.42 Lakhs was sanctioned for the project titled “Production of Poly (Aluminium chloride) for effluent treatment plant” from Agaram Aqua Care, 89/1, Agrahara Street, Perundurai-638052 for the team members of Petrochemical Engineering department Dr. R. Kannan, Mr. B. Vijaya Kumar, Mr. N. Aravindh for a period of 9 month.



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- The faculty members Dr.K.Karuppasamy & Ms.K.Brindha from the department of Computer Science and Engineering have received a revenue of Rs 0.9553 Lakhs for carrying out the consultancy project on the title “Website Designing” for a period of 8 month from Sugo Industries, Coimbatore.
- For the project titled “Experimental Investigation And Optimization Of Compression Moulding Parameters For Mwcnt/Glass/Kevlar/Epoxy Based Plastic Components” Rs 0.947 Lakhs have been sanctioned by Mr T T Nanjundamoorthi, Mr N.Sri Saravanan, Mr S.Rafick from the Department of Mechanical Engineering for doing the work for a period of 6 month from Annamalai Tools, 171 B Samichettipalayam Road, Vannan Koil, Jothipuram Post, Coimbatore.
- Dr.S.S.Sivaraju & Dr.T.Senthilkumar from the department of Electrical and Electronic Engineering received Rs. 0.926 Lakhs for doing the consultancy project titled “Performance Improvement Of BLDC Motor Using Two Leg Inverter” from Samson Industries, Coimbatore for a period of 7 Month.
- Rs.0.413 Lakhs have been sanctioned from Rj Equipments Industries, Coimbatore for undergoing the project work on the title “Web Monitoring And Speed Control Of Solar Based BLDC Motor With IoT” for the faculty members Dr.S.S.Sivaraju & Mr.B.Gopinath from the Department of Electrical and Electronics Engineering for a period of 5 month.
- For the project titled “Voice Recognition Based Electric Appliances Control During Precarious Period” approved from non-government funding agency (Excel Poly Products, Coimbatore) of Rs. 0.761 Lakhs for the faculty members Dr. S. S. Sivaraju & Mrs. S. Pandeewari from the Department of Electrical and Electronics Engineering for a period of 4 month.
- Dr.D.Jeyakumari & Dr..N.Shanmugavadivu from the department of Electronics and Communication Engineering have been sanctioned Rs. 2.42 Lakhs for carrying out a consultancy project on the title “Testing Of ECG Machine Using Biomedical Signal Processing” from Matrix Technologies, Chennai for a period of



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8 Month.

In the area of Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship, 14 programs have been organized from various department of the institution.

PUBLICATIONS AND PATENTS

The faculty members from various departments have published 14 research articles in the National and International journals which are listed in the UGC Care list/Scopus/Web of Science.

Totally 14 research papers have been published in national and international conference proceedings by the faculty members of the various department of the institution.

Three Books/Chapters have been published by the faculty members of the institution.

The institution has filed 13 patents as part of Intellectual property right.

FACULTY ACHIEVEMENTS

- Faculty members from various departments have got funded projects from various non-government agencies for 11.5963 Lakhs.
- Six faculty members have completed their certification courses in Swayam - NPTEL.
- Faculty members from various departments have published 14 research articles, presented 14 research articles in national & international conferences and filed 13 patents.

FDPs FOR FACULTY MEMBERS

For the Academic year 2022-23, totally 39 teaching members have participated in Faculty development programme & Short term training programme organized by various institution both internally and externally.

Totally 32 non-teaching members have undergone professional training programmes & administrative training programmes conducted by the institution for up



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skilling their knowledge.

The institution has provided financial support for 66 faculty members for attending workshop and conference organized various institutions externally.

VALUE ADDED PROGRAMMES

FACILITIES CREATED

- Central Library Knowledge Fort is enhanced with books, print journals and e-journals of National and International to the tune of Rs 17,06,222 (Seventeen Lakhs six thousand two hundred and twenty two) during this academic year.
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STUDENTS ACADEMIC PERFORMANCE & ACHIEVEMENTS

The students of RVS College of Engineering and Technology, apart from their regular classes and examination, for enhancing their skills indulge in various curricular, co-curricular and extra-curricular activities

MEMORANDUMS OF UNDERSTANDING

For the enhancement in the quality of education, various department in the institution has signed 16 MoU with the industries and other institution for improving the practical knowledge of the students.

S.NO	Name of the Industries /Institution
1	Skill dzire Technologies pvt Ltd,
2	Accent Techno Soft,
3	Aura Design Agency
4	Neogenics Private Limited
5	Royal Ev Motors Pvt Ltd
6	ZEN MARK MACHINERY AND COMPONENTS,
7	Teclair Automation



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8	Emglitz Technologies
9	Nandha Infotech
10	VEI Technologies Pvt.Ltd
11	Ram Kalam Centre for Energy Consultancy & Training
12	RnGn Batteries Private Limited,
13	Agaram Aqua Care
14	TryCAE Industrial Engineering Pvt

SPOTRS & GAMES

Funding of Infrastructure means not only to raise buildings and interiors, but also to give opportunity to build knowledgeable society. A library plays an important role in enhancing a teacher's effectiveness and student's performance. Central Library Knowledge Fort is enhanced with books, print journals and e-journals of National and International to the tune of Rs 17,06,222 (Seventeen Lakhs six thousand two hundred and twenty two) during this academic year. The institution have installed with 6 smart class room for each department with a cost of 9.5 lakhs.

Our faculty members, apart from their regular teaching assignments and participation in various conferences and seminars initiate National, International Conferences, Workshops and Symposia. Added to the pool of knowledge, 9 faculty completed Ph.D in the last academic year, in all the above we have 28 Ph.D holders.

RVSCET is a member of PALS – This is an initiative from IIT Madras, through this forum students of RVS CET have been connected with eminent professors in IIT and leading industry for research-oriented learning.

We have various students' chapters to provide wider industry exposure to students. Noteworthy of these are,

- PALS workgroup.
- IEEE Students Chapter



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- ISTE Faculty Chapter
- Computer Society of India (CSI)
- Indian Institute of Chemical Engineering (IICHE)
- Institution of Electronics and Telecommunication Engineers (IETE).

Continuing its efforts to enhance Industry – Institute Interface, RVS Group as signed MoU's with Uniq Technologies, Gateway Software Solutions, Kaashiv Infotech, Pantech Pvt.Ltd, Ociuz technologies, Code Bind Technologies, KELTRON, Neo-Genich Pvt. Ltd. Tech air Automation, Textro Electronics, Max Bee, Universiti Teknologi Mara, Taylor's University, Malaysia, Samsung Industries, JRS Powers, TryCAE, Meridian school of oil and gas, Texas Instruments, ICTACT, Madras School of Social Work, RAANA Power solutions.

RVSCET has signed a MoU with PALS – IIT Alumni workgroup to facilitate Internships, Industrial visits, live projects and quality education for Engineering students and faculty development programs for teaching staff.

As part of curriculum enrichment activities students were drilled to series of guest lectures, value added courses (10) like Programming in C, Java Programming, Dot Net, Embedded system in C, CNC training program, HVAC and Introduction to C and bridge courses for the first years. The final year university results show 235 out of 239 undergraduate students passed in all the courses. Almost all the UG programmes scored fairly well, and PG programmes scored 100% results .From the petrochemical department 4 UG students Gangatharan.R, Gokulnath S, Sanjay V and Sreejith P.R has come out with flying colours securing 2nd, 3rd, 7th and 4th University ranks respectively.

Every year, our beloved Chairman Dr. K. V. Kupusamy come forward to offer Institutional scholarships to the deserving students and this year 13 students have benefitted, and we owe gratitude to our beloved chairman for his magnanimity.

RVSCET have installed a National Cyber Safety and Security Research Centre which curtails the notorious spreading cyber threats from various directions. It is carrying



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out extensive awareness, training and education campaigns in the field of National Security, Web Application Security, Networking Security, Mobile Security, Cyber Forensics and Social Engineering.

The NSS unit of the college is involving in social activities such as the 78 Blood donation camp, 6000 tree plantation in and around and cleaning the temples. During the pandemic period the NSS unit provided food and medicines to the public people.

Principal

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Coimbatore - 641 402