



INTERNAL QUALITY ASSURANCE CELL

ANNUAL REPORT 2019-20

In order to ensure the quality of education in the institution through institutionalising and internalizing all the initiatives taken with in internal and external support. For the development of students through active participation in various programs such as Guest lecture, seminars, workshops, conferences and technical symposium, which are organized inside the campus as well in other institutions. Similarly, faculty members active participation in seminar, Workshop, Webinars, Short term training program, Faculty development program, NPTEL, publication of research articles in reputed journals as well as in national and International conferences enhance their skills in academic part.

The following programs organized in the institution are as follows

S.No	Name of the Event	Name of the Department Organized	Date	Number of Participation
1	One day workshop and hands on training on ADVANCED INDUSTRIAL ROBOTICS	MECH	17.07.2019	84
2	Guest Lecture on “Industrial Automation and Robotics”	EEE	02.08.2019	52
3	One Day workshop on NAAC Awareness Programme	CSE	09-08-2019	85
4	Seminar on Entrepreneurship Development	PCE	14.08.2019	59
5	One day workshop on a guest lecture Entitled: “Electrical Machines & Applications (Forenoon session) and Circuit Theory (Afternoon session)”	EEE	06.01.2020	72
6	one day workshop in the area of Power Systems with a title as “TECHNOLOGICAL ADVANCEMENTS OF POWER SYSTEM APPLICATIONS TOWARDS SMART CITY DEVELOPMENT	EEE	21.01.2020	145
7	Workshop on . Programming	ECE	03.02.2020	35



RVS COLLEGE OF ENGINEERING AND TECHNOLOGY
KumaranKottam Campus, Coimbatore – 641 402
Accredited by NAAC/Approval by AICTE, New Delhi/Affiliated to Anna University ,
Chennai

INTERNAL QUALITY ASSURANCE CELL

	on Embedded Controllers			
8	One day Workshop on Arduino	ECE	08.02.2020	14
9	Guest Lecture on "Communication Skills"	EEE	20.02.2020	
10	IETE Inauguration	ECE	27.02.2020	67
11	IIT Sponsered Workshop on C and C++	CSE	28-02-2020	10
12	Workshop on Heat Exchanger Design using – HTRI XCHANGER SUITE	PCE	02.03.2020 to 04.03.2020	54
13	Guest lecture Entitle: "Electrical Machines & Applications (Forenoon session) and Circuit Theory (Afternoon session)"	EEE	11.04.2020	48
14	Webinar on Innovative Solutions and Applications using Open Source softwares for Education	ECE	25.05.2020	28
15	Quiz on Basics of Electronics and Mathematics	ECE	27.05.2020	30
16	Webinar on Computer Networks in Action using Wireshark (A Packet Sniffer Tool)	ECE	28.05.2020	188
17	Webinar on The Exit Door for Corona	ECE	29.05.2020	91
18	Webinar on Intellectual Property and it's protection	ECE	30.05.2020	131
19	Webinar on Antennas and Protocols	ECE	01.06.2020	103
20	Quiz on Circuit Analysis	ECE	03.06.2020 to 06.06.2020	283
21	Webinar on Colour Image Processing	ECE	06.06.2020	177
22	Quiz on Aptitude and Logical Reasoning	ECE	08.06.2020 & 09.06.2020	603



RVS COLLEGE OF ENGINEERING AND TECHNOLOGY
KumaranKottam Campus, Coimbatore – 641 402
Accredited by NAAC/Approval by AICTE, New Delhi/Affiliated to Anna University ,
Chennai

INTERNAL QUALITY ASSURANCE CELL

23	Workshop on Recent Trends on Internet of Things(IoT) - Engineer's Perspective	ECE	18.06.2020 & 19.06.2020	153
24	FDP on Green Mobility	ECE	27.06.2020	111
25	Webinar on ECE Alumni Interaction Webinar series	ECE	09.07.2020 to 11.07.2020	48
26	5th National Conference on Intelligent Information and Computing Technologies(IICET-2020)	CSE	06.03.2020	126
27	National Level Technical Symposium “AGNITILA 2K20”	PCE	14.04.2020	132

Faculty Development Programme Cell: The Institution organized Three Faculty development programme for both Teaching and Non-Teaching staff members. Apart from that faculty members were participated in various FDP, STTP, Workshop, Seminars in other institutions. Management has also provided financial support for participating for the development of faculties through undergoing various programs.

S.No	Date	Title of the Program	Resource Person
1	15-07-2019	First Aid and Safety Measures	Dr.S.Sivaraju, Prof & Head of EEE RVSCET
2	06-09-2019	Stress Free Effective Working	Dr. V.R. Sivakumar, Prof & Head of MECH, RVSCET
3	10-02-2020	Research methodology and How to do effective research	Dr.P.Rajendran, IQAC Director , RVSCET

Women's Empowerment cell: For the improvement of Gender equity, IQAC initiated and through women's empowerment cell programs were conducted on in the institution.

- A program named group discussion of gender equity was organized in the institution in which 39 number of girl students and ladies faculty members.
- A program titled Mediation and Yoga was organized in the institution for girl's students and ladies faculty members. Nearly 157 students and faculty members were participated in the program.


PRINCIPAL
RVS College of Engineering & Technology
Coimbatore - 641 402



RVS COLLEGE OF ENGINEERING AND TECHNOLOGY

KumaranKottam Campus, Coimbatore – 641 402

Accredited by NAAC/Approval by AICTE, New Delhi/Affiliated to Anna University , Chennai

INTERNAL QUALITY ASSURANCE CELL

RESEARCH AND DEVELOPMENT CELL

- Grants received from Government and non-governmental agencies for research projects, endowments in the institution

Sl.No	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
1	Design and Development of High Efficiency Switched Reluctance motor for surface Grinder machine	Dr.S.S Sivaraju, L.SenthilMurugan T.Senthilkumar	EEE	2019-20	7000 Rs	6 months	TNSCST	Government

Research Publication

Sl. NO	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number
1	Sensor less Speed Control of 6/4 SRM Drive USING HYBRID OBSERVER	Senthil Murugan , L & Maruthupandi, P	EEE	Electrical Engineering (Springer)	2020	0948-7921
2	Realization of Fault tolerance capability of multi-phase SRM using Wavelet transform	Senthil Murugan , L & Maruthupandi, P	EEE	Microprocessors and Microsystems (Elsevier)	2020	0141-9331
3	Adaptive ELM neural computing framework with fuzzy PI controller for speed regulation in	F.Vijay AmirthaRaj	EEE	SPRINGER SOFT COMPUTING	2020	1432-7643



RVS COLLEGE OF ENGINEERING AND TECHNOLOGY

KumaranKottam Campus, Coimbatore – 641 402

Accredited by NAAC/Approval by AICTE, New Delhi/Affiliated to Anna University , Chennai

INTERNAL QUALITY ASSURANCE CELL

	permanent magnet synchronous motors					
4	Analysis of Energy Concentration of the Speech, EEG and ECG signals in Healthcare Applications – A Survey	Dr.M.Sundar Prakash Balaji	ECE	Journal of Medical Imaging and Health Informatics	2020	2156-7018
5	Exploring Modern Digital Signal Processing Techniques in Day-to-Day Life Applications	Dr.M.Sundar Prakash Balaji	ECE	Journal of Medical Imaging and Health Informatics	2020	2156-7018
6	Synergic deep learning based preoperative metric prediction and patient oriented payment model for total hip arthroplasty	Dr.M.Sundar Prakash Balaji	ECE	Journal of Ambient Intelligence and Humanized Computing	2020	2156-7020
7	Nano-sulfated zirconia catalyzed biodiesel production from tannery waste sheep fat	Vijaya Kumar Booramurthy, Ramesh Kasimani, Sivakumar Pandian, Balasubramanian Ragunathan	PCE	Environmental Science and Pollution Research	2020	0944-1344
8	Performance analysis of electrically coupled SRR bowtie antenna for wireless broadband communications	P.Dhanraj	ECE	Springer - Wireless Networks	2020	5271-5283
9	Electroencephalogram based Communication System for Locked in State Person using mentally spelled tasks with optimized network model	Dr.M.Sundar Prakash Balaji	ECE	Artificial Intelligence in Medicine	2020	19309 315
10	A Review on Minimization of Torque Ripples in BLDC Motors	S.Pandeeswari, Dr.S.Jaganathan	ECE	Journal of Xidian University	2020	1001-2400


PRINCIPAL
 RVS College of Engineering & Technology
 Coimbatore - 641 402



RVS COLLEGE OF ENGINEERING AND TECHNOLOGY
KumaranKottam Campus, Coimbatore – 641 402
Accredited by NAAC/Approval by AICTE, New Delhi/Affiliated to Anna University ,
Chennai

INTERNAL QUALITY ASSURANCE CELL

Incubation & Innovative Cell Activities

S. No	Name of the Activity	Date	Resource Speaker
1	Seminar on “Entrepreneurship Development”	20-08-2019	Mrs.R.KavithaRajasekar, Managing Director, Sri Padmavathi Industries, Coimbatore.
2	Dreamtech 2020 Innova Project Expo	09-01-2020	Team IIC
3	Workshop on Design Thinking and Innovation	10-01-2020	Mr.E.Vetrimani, Assistant Professor, RVS College of Engineering and Technology, Coimbatore.
4	Seminar on Social Innovation and Entrepreneurship	21-01-2020	Ms.Janani, RVS College of Engineering and Technology, Coimbatore.
5	Online IIC Webinars	28-04-2020 to 22-05-2020	MHRD Innovation Cell (MIC)

CELEBRATIONS OF COMMEMORATIVE DAYS

S.No	Date of the event	Name of the commemorative events	Number of students /teachers participated
1	21.06.2019	International Yoga Day	44
2	15.08.2019	Independence Day	50
3	05.09.2019	Teacher's Day	150
4	15.09.2019	Engineer's Day	30
5	26.01.2020	Republic Day	25


PRINCIPAL
RVS College of Engineering & Technology
Coimbatore - 641 402

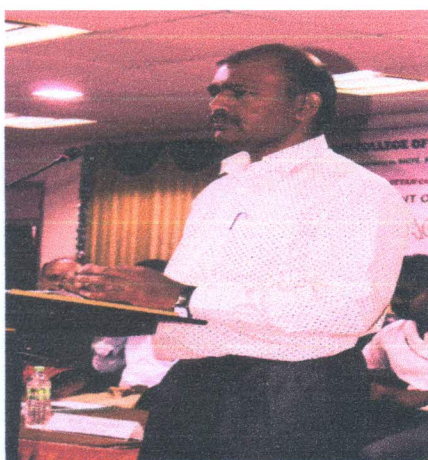


RVS COLLEGE OF ENGINEERING AND TECHNOLOGY
KumaranKottam Campus, Coimbatore – 641 402
Accredited by NAAC/Approval by AICTE, New Delhi/Affiliated to Anna University ,
Chennai

INTERNAL QUALITY ASSURANCE CELL

NATIONAL TECHNICAL SYMPOSIUM

The Department of Petrochemical Engineering organized a 4th National Technical Symposium *AGNITILA 2K20* on 14.04.2020. The function was inaugurated by lighting the kudhuvellaku by the chief guest Mr. E.S.Balasundaram, MHRM, Group HR & Head, Madras Radiators and Pressings Ltd, Coimbatore.





RVS COLLEGE OF ENGINEERING AND TECHNOLOGY
KumaranKottam Campus, Coimbatore – 641 402
Accredited by NAAC/Approval by AICTE, New Delhi/Affiliated to Anna University ,
Chennai

INTERNAL QUALITY ASSURANCE CELL

NATIONAL CONFERENCE

- The Department of Computer Science and Engineering organized 5th National Conference on Intelligent Information and Computing Technologies(IICET-2020) held at Seminar Hall of RVS College of Engineering and Technology, Coimbatore on 06.03.2020.



WORKSHOP

- One Day workshop on NAAC Awareness Programme was conducted by the department of Computer Science and Engineering for the faculty members of RVCET at seminar hall on 09.08.201
- The Department of EEE organized a one-day workshop on the topic **“TECHNOLOGICAL ADVANCEMENTS OF POWER SYSTEM APPLICATIONS TOWARDS SMART CITY DEVELOPMENT** on 06th Jan 2020. The program is to be held at RVSCET Auditorium from 9:30 AM to 4:30 PM (Hall No.: 217)



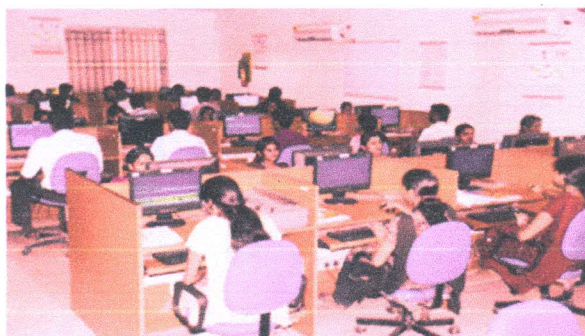

PRINCIPAL

RVS College of Engineering & Technology
Coimbatore - 641 402



INTERNAL QUALITY ASSURANCE CELL

- A IIT Sponsered **Workshop on C and C++** was conducted by the department of Computer Science and Engineering at computer lab of RVSCET on 28.02.2020.



- The Department of Petrochemical Engineering conducted a Guest lecture cum workshop on **“HEAT EXCHANGER DESIGN using – HTRI XCHANGER SUITE** at RVSCET seminar hall from 02.03.2020 to 04.03.2020 for 3 days, which hosted by Mr. M. Vivekanandan, Chief Executive officer, TryCAE Industrial Engineering Pvt.Ltd
- One day workshop and hands on training on **ADVANCED INDUSTRIAL ROBOTICS** was conducted by the department of Mechanical Engineering on 17.07.2019.



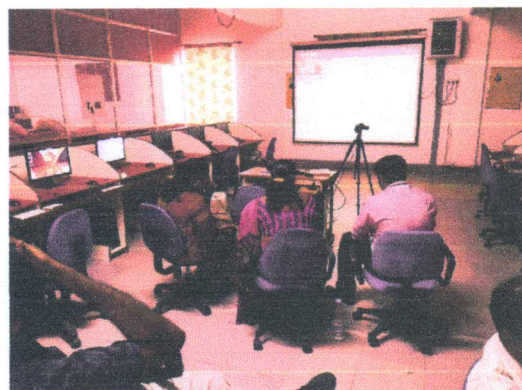
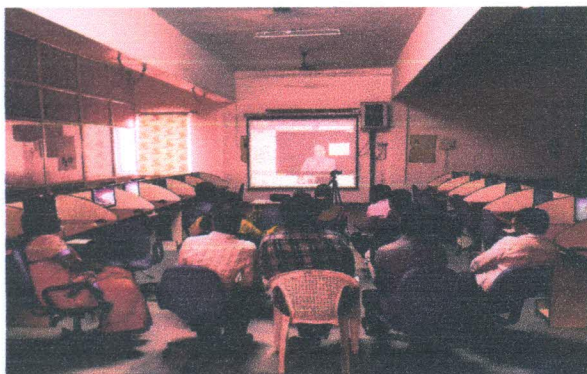
- One Day workshop on **“Programming on Embedded Controllers”** was organized by the Department of ECE on 03.02.2020 from 9.30 AM to 04.30 PM at DSP Laboratory.



RVS COLLEGE OF ENGINEERING AND TECHNOLOGY
KumaranKottam Campus, Coimbatore – 641 402
Accredited by NAAC/Approval by AICTE, New Delhi/Affiliated to Anna University ,
Chennai

INTERNAL QUALITY ASSURANCE CELL

- The department of Electronic and Communication Engineering organized a one day workshop on the topic Arduino at DSP Laboratory. The event was hosted by IIT Bombay, Spoken Tutorial, which was held on 08.02.2020.



SEMINAR

- A seminar was organized on the topic **“Entrepreneurship Development”** at seminar hall which was presented by Mrs. R. Kavitha Rajasekar, Managing Director, Sree Padmavathi Industries, Coimbatore.

GUEST LECTURE

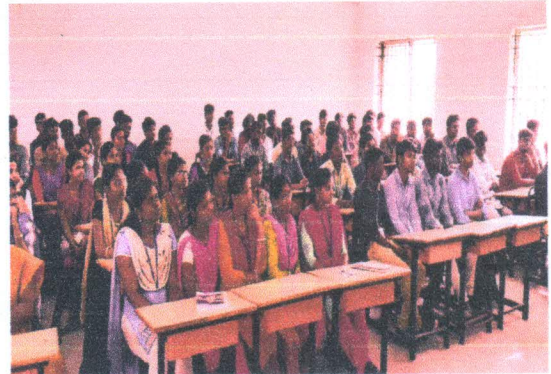
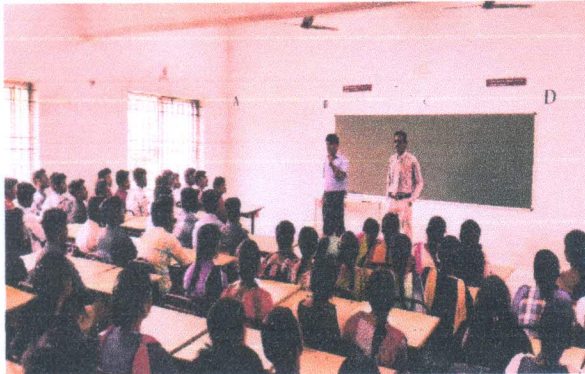
- The Department of EEE conducted a Guest lecture on the topic **“Industrial Automation and Robotics”** hosted by Mr. G. Ruthra Kumaran, Application Engineer, AXIS Global Automation , Coimbatore. The event was held at RVSCET Auditorium at 3.15pm on 02.08.2019
- A Guest lecture was organized by the Department of Electrical and Electrical Engineering on the topic **“Communication Skills”**. The event was held presented by Prof. L. Moorthy, Prof. & Head, Dept. of English, Govt. Arts College , Coimbatore at the Audio Virtual Room –EEE Dept.(Hall No. 223) on 20.02.2020.


PRINCIPAL
RVS College of Engineering & Technology
Coimbatore - 641 402



RVS COLLEGE OF ENGINEERING AND TECHNOLOGY
KumaranKottam Campus, Coimbatore – 641 402
Accredited by NAAC/Approval by AICTE, New Delhi/Affiliated to Anna University ,
Chennai

INTERNAL QUALITY ASSURANCE CELL



- The Department of Electrical and Electronics Engineering of RVS College of Engineering and Technology organized guest lecture on 11th April 2020. Entitled on **“Electrical Machines & Applications (Forenoon session) and Circuit Theory”**. The session was hosted by **Dr. S. Rajasekaran Ph.D**, Professor, Department of Electrical & Electronics Engineering, Vignana Bharathi Institute Of Technology.


PRINCIPAL
RVS College of Engineering & Technology
Coimbatore - 641 402


IQAC DIRECTOR