

PONDICHERRY UNIVERSITY

38thANNUAL REPORT 2023-24
(1st April 2023 to 31st March 2024)

(Any column with insufficient data / information will summarily be rejected)

FORMAT – II for Affiliated Institutions

1. Name of the College / Institution
: RAAK College of Engineering and Technology
2. Year of establishment
: 2014
3. Details of NAAC Accreditation
: NAAC ACCREDITATION IS UNDER PROCESS

Year
: IIQA Approval Granted and Submitted the Self Study Report (SSR) on 03.08.2024

Grade
:
4. Name of the Principal
: Dr. S. SEENUVASAMURTHI
5. No. of Students admitted during 2023-24

Sl. No.	Name of the Course [(e.g.)B.A. Tamil]	Admission			Male								Female							
		Total	M	F	G E N	O B C	E W S	M i n	S C	S T	P H	F S*	G E N	O B C	E W S	M i n	S C	S T	P H	FS*
1	B.TECH (CSE)	47	31	16	1	20	1	4	5					10	1	1	4			
2	B.TECH (MECH)	07	7	-		2		3	2											
3	B.TECH (ECE)	-																		
4	B.TECH (IT)	24	12	12		6		2	4				1	10			1			
5	B.TECH (EEE)	-																		
6	B.TECH (AI&DS)	02	2	-		1		1												
7	PG : MBA	07	2	5		2								4			1			

* FS – Foreign students

6. No. of Students on Roll during 2023-24

Sl. No.	Name of the Course [(e.g.)B.A. Tamil]	On Roll			Male								Female							
		Total	M	F	G E N	O B C	E W S	M i n	S C	S T	P H	FS *	G E N	O B C	E W S	M i n	S C	S T	P H	FS*
1	B.TECH (CSE)	120	80	40	5	53		12	10					28		6	6			
2	B.TECH (MECH)	23	23	-		19			4											
3	B.TECH (ECE)																			
4	B.TECH (IT)	91	59	32		48		3	8				1	28		1	2			
5	B.TECH (EEE)	31	30	1		24		2	4					1						
6	B.TECH (AI&DS)	02	2	-		1		1												
7	PG : MBA	07	2	5		2								4			1			

* FS – Foreign Students

7. Distinctions / Awards / Prizes / Honours received by the faculty.

Sl. No.	Name of the faculty	Name of the Award	Awarded by	Date
1.	Mr.B.MURUGAN	BEST NODEL OFFICE	Election Department, (Government of Puducherry).	25.01.2024

8. Conferences/National/International Seminars/Workshops/Training Courses organized by the college (sponsored by UGC, AICTE, CSIR, DBT etc.) attended by faculty

Sl.No.	Name of the Faculty	Number of Seminar / Conference / Workshop organised	Sponsored by	Number of Seminar / Conference / Workshop attended	Period/ Date
1	Dr.N. SOWRI RAJA PILLAI	FDP- Ethical hacking and penetration testing	Lords Institute of Engineering and Technology	2	1/04/2024 to 5/04/2024
		FDP- Strategic Hoops: NBA Accreditation and OBE Mastery	Madanapalle Institute of Technology and Science		26/02/2024 to 01/03/2024
2	DEEBIKA G	FDP- USE OF ICT TOOLS FOR EDUCATIONS- ONLINE QUIZ MAKER	Dr. M.G.R Educational and Research Institute	2	03.11.2023
		FDP- USE OF ICT TOOLS FOR EDUCATIONS- GOOGLE PRODUCTS	Dr. M.G.R Educational and Research Institute		27.10.2023
3	DHANAPATHY G	FDP - BUILDING ADVANCED DATA ANALYTICS APPLICATIONS WITH CLOUD	Next Gen Employability Program	1	18.12.2023 to 22.12.2023
4	Mr..Murugan HOD&SAP/EEE	Programmable Logic Controller	CVR college of Engineering, Hyderabad	8	25.10.2023
		Power Quality enhancement in Micro grid for Grid Connected Electric Vehicles Charging Infrastructure	IFET college of engineering and Technology, Villupuram		26.05.2023 - 27.05.2023
		Recent trends, challenges and future perspectives of sodium ion batteries for electrical vehicles.	IFET college of engineering and Technology, Villupuram		05.01.2024
		Hands on workshop services and maintenance of electrical appliances	RAAK College of Engineering and Technology		03.02.2024
		Biology for Engineering	RAAK College of Engineering and Technology		24.02.2024
		Hands on Training in mobile servicing	RAAK College of Engineering and Technology		12.04.2024
		Introduction And Importance of IPR Patents	IIC and MIC of RAAK College of Engineering and Technology		17.05.2024
		Design Thinking and cirital Thinking on innovation design	IIC and MIC of RAAK College of Engineering and Technology		21.05.2024
5.	Mrs.K.Gowri (AP/EEE)	Hands on workshop services and maintenance of electrical appliances	RAAK College of Engineering and Technology	7	03.02.2024
		Biology for Engineering	RAAK College of Engineering and Technology		24.02.2024
		Hands on Training in mobile servicing	RAAK College of Engineering and Technology		12.04.2024
		Introduction And Importance of IPR Patents	IIC and MIC of RAAK College of Engineering and Technology		17.05.2024
		Design Thinking and cirital Thinking on innovation design	IIC and MIC of RAAK College of Engineering and Technology		21.05.2024
		Harnessing Artificial Intelligence For Healthcare Excellence: Innovation, Insight and Impacts”	SRM institute of Science and Technology		24.06.2024 - 29.06.2024

		The basic of Machine and deep learning	Chase Technology		22.07.2024 - 26.07.2024
6	Mr.D.Balamurugan (AP/EEE)	Hands on workshop services and maintenance of electrical appliances	RAAK College of Engineering and Technology	5	03.02.2024
		Biology for Engineering	RAAK College of Engineering and Technology		24.02.2024
		Hands on Training in mobile servicing	RAAK College of Engineering and Technology		12.04.2024
		Introduction And Importance of IPR Patents	IIC and MIC of RAAK College of Engineering and Technology		17.05.2024
		Design Thinking and cirital Thinking on innovation design	IIC and MIC of RAAK College of Engineering and Technology		21.05.2024
7	Mrs.R.Alamelu (AP/EEE)	Hands on Training in mobile servicing	RAAK College of Engineering and Technology	4	12.04.2024
		Introduction And Importance of IPR Patents	IIC and MIC of RAAK College of Engineering and Technology		17.05.2024
		Design Thinking and cirital Thinking on innovation design	IIC and MIC of RAAK College of Engineering and Technology		21.05.2024
		The basic of Machine and deep learning	Chase Technology		22.07.2024 - 26.07.2024
8	Mrs.Saranya S, AP / CSE	Webinar-Artificial Neural Network In Engineering And Applications	Dr.S.Anbazhagan, Associate professor in Computer Engineering, Govt. Polytechnique college, Papanasam.	5	11.04.2023
		Importance of Information Security and Data Privacy in Cyber World	Dr.R.Sendhil, M.Tech, Ph.D, Assistant Professor, Sr. Grade, School of Computer Science & Engineering, VIT University, Chennai.		07.03.2024
		Biology For Engineers	Prof. Dr. Rabinder Henry, Director of RAAK Group of Institutions		24.02.2024
		Webinar – Security Challenge In VANETS& Game Theory Approaches	Dr.A.Ilavendhan, M.Tech, Ph.D, Assistant Professor, Sr. Grade, School of Computer Science & Engineering, VIT University, Chennai.		05.04.2024
		Artificial Intelligence, Machine Learning &Robotics	Prof. Dr. Rabinder Henry, Director of RAAK Group of Institutions		06.04.2024
9	Mrs.Roselin Lourd J, Head / CSE	Webinar-Artificial Neural Network In Engineering And Applications	Dr.S.Anbazhagan, Associate professor in Computer Engineering, Govt. Polytechnique college, Papanasam.	5	11.04.2023
		Importance of Information Security and Data Privacy in Cyber World	Dr.R.Sendhil, M.Tech, Ph.D, Assistant Professor, Sr. Grade, School of Computer Science & Engineering, VIT University, Chennai.		07.03.2024
		Biology For Engineers	Prof. Dr. Rabinder Henry, Director of RAAK Group of Institutions		24.02.2024
		Webinar – Security Challenge In VANETS & Game Theory Approaches	Dr.A.Ilavendhan, M.Tech, Ph.D, Assistant Professor, Sr. Grade, School of		05.04.2024

			Computer Science & Engineering, VIT University, Chennai.		
		Artificial Intelligence, Machine Learning & Robotics	Prof. Dr. Rabinder Henry, Director of RAAK Group of Institutions		06.04.2024
10	Mrs.Thamizhisai.D, AP / CSE	Webinar-Artificial Neural Network In Engineering And Applications	Dr.S.Anbazhagan, Associate professor in Computer Engineering, Govt. Polytechnique college, Papanasam.	5	11.04.2023
		Importance of Information Security and Data Privacy in Cyber World	Dr.R.Sendhil, M.Tech, Ph.D, Assistant Professor, Sr. Grade, School of Computer Science & Engineering, VIT University, Chennai.		07.03.2024
		Biology For Engineers	Prof. Dr. Rabinder Henry, Director of RAAK Group of Institutions		24.02.2024
		Webinar – Security Challenge In VANETS & Game Theory Approaches	Dr.A.Ilavendhan, M.Tech, Ph.D, Assistant Professor, Sr. Grade, School of Computer Science & Engineering, VIT University, Chennai		05.04.2024
		Artificial Intelligence, Machine Learning & Robotics	Prof. Dr. Rabinder Henry, Director of RAAK Group of Institutions		06.04.2024
11	Mrs.Uthaya Chanthiriga, AP/CSE	Webinar – Security Challenge In Vanets & Game Theory Approaches	Dr.A.Ilavendhan, M.Tech, Ph.D, Assistant Professor, Sr. Grade, School of Computer Science & Engineering, VIT University, Chennai	2	05.04.2024
		Artificial Intelligence, Machine Learning & Robotics	Prof. Dr. Rabinder Henry, Director of RAAK Group of Institutions		06.04.2024
12	Mr.A.S.Vijayananthan HOD/MECH	Hands on Training in Fitting, Welding & Carpentry Seminar on 3D Printing & Digital Manufacturing	RAAKCET	2	12.02.2024 to 14.02.2024 30.03.2024
13	Mr. G.Krishnakumar AP/MECH	Hands on Training in Fitting, Welding & Carpentry Seminar on 3D Printing & Digital Manufacturing	RAAKCET	2	12.02.2024 to 14.02.2024 30.03.2024
14	Mr.V.Athisakthidhasan AP/MECH	Hands on Training in Fitting, Welding & Carpentry Seminar on 3D Printing & Digital Manufacturing	RAAKCET	2	12.02.2024 to 14.02.2024 30.03.2024
15	Mr.K.Sithananthan AP/MECH	Hands on Training in Fitting, Welding & Carpentry Seminar on 3D Printing & Digital Manufacturing	RAAKCET	2	12.02.2024 to 14.02.2024 30.03.2024
16	Mr.S. Jayaraja Rakesh AP/MECH	Hands on Training in Fitting, Welding & Carpentry Seminar on 3D Printing & Digital Manufacturing	RAAKCET	2	12.02.2024 to 14.02.2024 30.03.2024
17	Dr. A. Sudhanraj	Trends in Business 2023	Sacred Heart College	1	11.01. 2024
		Innovative Way to Optimize	HKBK Degree College	1	27.03.2024

		Your LinkedIn Profile for Better Visibility, Outreach and Career Prospects.			
		Security Challenge In Vanets& Game Theory Approach	RAAKCET	1	05.04.2024
		A Boot Camp on Innovation & Entrepreneurship Training	Cauvery College for Women (Autonomus)	1	29.05.2024
		FDP- Innovation and Entrepreneurship	Cauvery College for Women (Autonomus)	1	21.05.2024
18	Mr. S. Anto Martin Pradeep	Webinar - Human Resource Skill Workshop	Tareeq Global Solution PVT. LTD	1	22.03.2024
		Webinar -Digital and Tools in Education	Dynamic Mind Group	1	16.06.2024
		Importance of Information Security and Data privacy in Cyber World	RAAK college of Engineering and Technology	1	07.03.2024
19.	Mr. K. Murugan, HOD/ECE	Future Generation Communication & Networking	Jerusalem College of Engineering	5	2/01/2023 to 7/01/2023
		Electric Vehicle Drive System	Jerusalem College of Engineering		27/3/23 to 2/4/2023
		Adobe academic essential program	AICTE	1	22/2/23
		Internet of Things (IOT)	Sri Ranganathar Institute of Polytechnic College	2	7/4/23 & 8/4/23
		Future in E - Vechile Power Driver	Sri Ranganathar Institute of Polytechnic College	2	7/5/23 & 8/5/23
		Quality Assurance and Sustenance in higher education	ManakularVinayakar Institute of Technology	1	9/11/2023
20.	Mrs.R. Aarthi AP/ECE	Adobe academic essential program	AICTE	1	22/2/23
		AI & Deep Learning Approach for Image Processing and its Applications	Paavai Engineering College	5	19/6/23 to 24/6/23
		Journey beyond chip war unleash the art of chip design	Maven Silicon	1	19/10/23
		Qualitative Techniques for management and Social Science Research	Amity College of Commerce and Finance	1	5/24/2024
		A National level Webinar on GUI way to learn machine learning	Annaivelaikanni college of Engineering	1	3/1/2024
21.	Mrs. S. Sultana Farveen AP/ECE	Adobe academic essential program	AICTE	1	22/2/23
		AI & Deep Learning Approach for Image Processing and its Applications	Paavai Engineering College	5	19/6/23 to 24/6/23
		Journey beyond chip war unleash the art of chip design	Maven Silicon	1	19/10/23
		Qualitative Techniques for management and Social Science Research	Amity College of Commerce and Finance	1	5/24/2024
		A National level Webinar on GUI way to learn machine learning	Annaivelaikanni college of Engineering	1	3/1/2024
22.	Mrs.K.Dhanalakshmi AP/ECE	Adobe academic essential program	AICTE	1	22/2/23
		AI & Deep Learning Approach for Image Processing and its Applications	Paavai Engineering College	5	19/6/23 to 24/6/23
		A National level Webinar on GUI way to learn machine learning	Annaivelaikanni college of Engineering	1	3/1/2024

23	Mrs.H.Rajeswary AP/ECE	Adobe academic essential program	AICTE	1	22/2/23
		AI & Deep Learning Approach for Image Processing and its Applications	Paavai Engineering College	5	19/6/23 to 24/6/23
		Qualitative Techniques for management and Social Science Research	Amity College of Commerce and Finance	1	5/24/2024
		A National level Webinar on GUI way to learn machine learning	Annaivelaikanni college of Engineering	1	3/1/2024
24	Ms. S. Abinaya AP/ECE	Adobe academic essential program	AICTE	1	22/2/23
		Team Building and Managing	SaradhaGangadharan College	2	5/6/2023 to 7/6/23
		AI & Deep Learning Approach for Image Processing and its Applications	Paavai Engineering College	5	19/6/23 to 24/6/23
		A National level Webinar on GUI way to learn machine learning	Annaivelaikanni college of Engineering	1	3/1/2024
25	Mr. J. Balaji AP/ECE	Qualitative Techniques for management and Social Science Research	Amity College of Commerce and Finance	1	24/5/2024
26	Mrs.L.Roginidevi	Webinar on Biology for Engineering	RAAK College of Engineering and Technology	1	03.02.2024
27	Dr.S.Rajasri	Webinar on Biology for Engineering	RAAK College of Engineering and Technology	1	03.02.2024
28	Mr.S.Vignesh	National Workshop on First – Aid Management for Soprts	Rajiv Gandhi National Institute of Youth Development	1	20.2.2024-22.2.2024

9. Details of placements of students during 2023-24 (including off campus)

Name of the Department	Course	Company placed	No. of Placement	Salary Package per Annum
ELECTRONICS AND COMMUNICATION ENGINEERING	B.Tech	SUTHERLAND GLOBAL SERVICES, CHENNAI	5	3 LPA
		SRI SAI POWER AND EQUIPMENT PRIVATE LIMITED, TRICHY	4	2 LPA
		TVS SUNDRAM FASTENERS LIMITED, CHENNAI	4	2 LPA
		LUCAS TVS LIMITED, THIRUVANDARKOVIL, PUDUCHERRY	10	2 LPA
		INTEGRA GLOBAL SERVICES, PUDUCHERRY	10	2 LPA
		PLUMAGE PRIVATE LIMITED, PUDUCHERRY	12	1.8 LPA
		RANE MADRAS LIMITED, PUUCHERRY	3	2 LPA
		SUPREME INDUSTRIES LIMITED, PUDUCHERRY	4	2 LPA
MECHANICAL ENGINEERING	B.Tech	SRI SAI POWER AND EQUIPMENT PRIVATE LIMITED	7	2 Lakhs
		TVS SUNDRAM FASTENERSPRIVATE LIMITED	9	2 Lakhs
		SR RETREADING PRIVATE LIMITED	4	1.5 Lakhs
		DBAM PRIVATE LIMITED	1	2 Lakhs

COMPUTER SCIENCE AND ENGINEERING	B. Tech	SUTHERLAND	09	3 LPA
		ROADMAP	04	2 LPA
		HATTUSSAIT SOLUTIONS	01	1.5 LPA
		TVS SUNDARAM FASTENERS	14	2 LPA
		LI CREATIVE TECHNOLOGIES	04	2 LPA
		INTEGRA GLOBAL SERVICES	16	2.15 LPA
		LUCAS TVS LIMITED	07	2 LPA
		PLUMAGE	03	1.8 LPA
		SUPREME	02	2 LPA
		M&M SOFTWARE SERVICES	01	1.5 LPA
ELECTRICAL AND ELECTRONICS ENGINEERING	B.Tech	SUTHERLAND	1	3 LPA
		SRI SAI POWER AND EQUIPMENT PRIVATE LIMITED	1	2 LPA
		TVS SUNDRAM FASTENERS LIMITED	8	2 LPA
		LUCAS TVS DRIVEN	2	2 LPA
		PLUMAGE	4	1.8 LPA
		SUPREME	4	2 LPA
		EATON	1	2.16LPA
INFORMATION TECHNOLOGY	B.Tech	SUTHERLAND	7	3 LPA
		ROADMAP	1	2 LPA
		TVS SUNDARAM	9	2 LPA
		LICREATIVE	1	2 LPA
		LUCAS TVS	5	2 LPA
		INTEGRA	8	2.15 LPA
		M & M SOFTWARE SERVICES	1	1.5 LPA

10. Details of projects sanctioned and being implemented during 2023-24.

Sl.No.	Title of the Project and Name of the Investigator	Sponsoring Authority and Sanction Lr.No. with date	Total funds provided (Rs.in lakhs)	No. of JRF / SRF / RA

11. Research publications by the faculty in National / International journals (UGC approved & peer reviewed journals only)

Sl.No.	Name of the Faculty	Mention Journals / Books / Book Chapter	Number of publications			
			Nati onal	Inter nation al	State / Local	Total
1.	Dr.S.Seenuvasamurthi Professor Cum Principal	Power Supply Noise Reduction in Mixed Signal System-on-Chip with Active Decoupling Inductor		1		7
		Power Supply Noise Reduction Circuit for Mixed Signal VLSI Systems		1		
		A Low Noise and Power Efficient 45 nm GPDK Technology Based Highly Stable Current Balancing Logic (HCBL) and Dynamic Logic Circuits for Mixed Signal Systems.		1		
		A Low Noise, Low Power 45 nm Technology Based Simultaneous Switching Noise (SSN) Reduction Model for Mixed Signal VLSI Circuits.		1		
		IoT based Real time Traffic Monitoring and control system for smart cities		1		
		An IoT Approach to Forest Fire Detection and Remedy with Sensor Network Deployment		1		

		Brain Image Compression and Reconstruction System using Deep Learning		1		
2.	Mr. K. MURUGAN (HOD/ECE)	Design Smart Cradle System for Baby Monitoring using IOT		1		1
3.	Mrs. R. AARTHI (AP/ECE)	An IoT based Secure Smart Home Automation using Cross Layer Optimization		1		2
		Fatigue Driving Detection Method Based on EEG Analysis		1		
3.	Mrs.S. SULTANA FARVEEN (AP/ECE)	Energy Efficient Optimization of SDN using MAC Protocol		1		1
4	Mrs.S.Saranya AP / CSE	Energy Efficient Routing in Wireless Sensor Network Using Blockchain Driven Deep Learning Architecture		1		3
		Steganography and Audio Cryptography Fusion with Enhanced LSB for Secure Data Hiding in Spatial Domain		1		
		Secure Data: Privacy and Securing the Confidential Data With Effective Login System Using Blockchain Technology		1		
5	Mrs.J.Roselin Lourd HOD / CSE	ATM Secure and Privacy Preservation System		1		3
		A Multi-Controller SDN Framework for Advance Attack Detection and Mitigation in IOT Environment		1		
		Cybersecurity for LTI System: Advanced Monitoring Against Stealthy Attacks		1		
6	Mrs.D.Thamizhisai AP / CSE	Preserving Integrity of Forensic Evidence Using Blockchain Technology		1		3
		Secure Data Acquisition Integration Framework for Key Management and Multilayer Security		1		
		Privacy Preserving Data Storage in Hybrid Cloud :Reverse Data Hiding With Encrypted Media		1		
7.	Mr.B.Murugan (HOD/EEE)	Neural network based Hammerstein model identification of a lab scale batch reactor		1		3
		Enhancement of solar PV panel efficiency improvement using MPPT control		1		
8.	K.GOWRI (AP/EEE)	Arduino Nano controlled DC-DC converters		1		1
9.	Mr.D.Balamurugan (AP/EEE)	IOT Based Smart Energy Measurement with Automatic Cost Estimation		1		1
10	Dr. N. SOWRI RAJA PILLAI HOD/IT	The International Arab Journal of Information Technology (IAJIT)		1		4
		International Journal of Novel Research and Development		1		
		Musik in Bayern		1		
		The International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET)		1		
11	Mr.G.DHANAPATHY AP/IT	The International Journal For Science and Advance Research in Technology (IJSART)		2		2