



P.S.R.ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to Anna University, Chennai)



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY PROFILE

- 1. Name** : R. Arunkumar
2. Date of Birth : 13.05.1983
3. Highest Qualification : M.E.,
4. Designation : ASSISTANT PROFESSOR



5. Academic Performance (Descending Order)

S.No	Degree	University/ Institution	Year of Pass	% of Marks	Class
1.	B.E.,	Anna University, Chennai P.S.R. engineering College, Sivakasi	2006	64%	First class
2.	M.E.,	Anna University, Chennai National Engineering College, Kovilpatti	2012	67%	First class

6. Total Years of Experience :

S. No.	Period		Organization / Institution	Position Held
	From	To		
1.	29.01.2009	Till date	P.S.R Engineering College, Sivakasi	Assistant Professor

- 7. Date of joining in this Institution** : 29.01.2009
8. Designation as on Date of Joining : 29.01.2009
9. Present Designation : Assistant Professor
10. Number of promotions since date of joining : -

11. Academic Performance:

Semester	Subject Code	Name of the Subject taught	Year / Sem	Result produced (Pass %)
Odd (18-19)	161CS33	Microprocessors and Microcontrollers	II/III	95.55
Odd (18-19)	162AEE31	Cryptography and Data Security	II/III	100
Even (18-19)	12EC8E	High Speed Networks	IV/VIII	100
Even (18-19)	161HS61	Engineering Economics and Management	III/VI	92.16

12. List of publications

National/ International Journal:

1. Published a paper entitled on “Delay Based Scheduling for Cognitive Radio Networks” in the International International Journal of Innovative Research in Computer and Communication Engineering, Vol.2, Special Issue 1, March 2014, ISSN (Online): 2320-9801.
2. R.Arunkumar, IOT based system for healthcare monitoring using wireless sensor network, JETIR, Volume 6 and Issue 2, Pages from 317 to 320, 2019, ISSN NO: 2349-5162.

National/ International Conferences:

1. Presented a paper entitled “Objective Greedy Algorithms for Long Term Web Prefetching” in first national conference on Intelligent Computing and Automation – INSTRUVISION 2K8 organized by the Department of Electronics and Instrumentation Engineering in Kamaraj College of Engineering and Technology on March 19th 2008.
2. Presented a paper entitled “Performance Analysis of Web-Prefetching algorithms based on JAVA” in second national conference on Embedded Systems – EMCON’08 organized by the IEEE student branch of Kalasalingam University on 11th – 12th April 2008.
3. Published a paper entitled on “Delay Based Scheduling for Cognitive Radio Networks” in the International Conference on Global Innovations in computing technology on 6th & 7th March 2014 organized by Department of Computer Science and Engineering, Jay Shriram Group of Institutions, Tirupur.
4. Published a paper entitled on “Person Identification from Video by Similarity between Feature set” DRDO Sponsored 2nd IEEE international Conference on Innovations in Information Embedded and Communication Systems (ICIIECS’15) on 19th & 20th March 2015 organized by Department of Electronics and Communication Engineering, Karpagam College of Engineering, Coimbatore.

5. P.Bavani, N.Maheswari, M.Muthupriya, R.Arunkumar, “Innovatory Modus for Text to Speech Pertinence for Stalled People”, National Conference on Recent Trends in Computing, Communication and Technology, 2018.
6. R.Arunkumar, C.Karuppasamyandian, K.Kalyanakumar, M.Madasamy “Heart detection and heart rate monitor using IOT”, National Conference on Innovative Developments in Electronics Applications for Society (IDEAS’ 2019) –27th & 28th March 2019.

13. Publication Citation Details

	(Google Scholar)	Scopus
No. of Documents		
Total Citation		
h- index		
i10 – index		
Total Impact Factor		

14. Funded Projects from Govt. /Non-Govt. Agencies: NIL

Sl. No	Name of the Minor Projects	Sponsoring Agency	Amount (Rs)	Investigators	Date/Duration	Status
1.	-	-	-	-	-	-

14. Detail of Patent Filed/Awarded

Sl. No	Name of the Patent	Patent Number	Date of Published/ Awarded
1.	Smart cart with automated billing using Aadhaar.	201941001316	29/11/2019
2.	Bore well rescue robot.	201941001317	29/11/2019
3.	Underwater surveillance robot.	201941001318	15/11/2019
4.	Automatic adjustment of position of microphone using ultrasonic sensor and RF module.	201941001319	15/11/2019

15. Detail of Books Published: NIL

Sl. No	Name of the Author	Title of the Book	ISBN No.	Year	Name of the Publisher
1.	-	-	-	-	-

16. Self-Appraisal:

List of Subjects Handled	EC2202 – Data Structures and C++. CS2252 - Microprocessors and Microcontrollers. EC62 - Computer Networks. EC53 - Computer Architecture and Organization. GE606 - Professional Ethics. 12EC64 – Computer Communication and Networks. 12AE3B - Applied cryptography and Data Security. 12GE32 - Professional Ethics in Engineering. 12EC8E - High Speed Networks. 161HS61 - Engineering Economics and Management. 162AEE31 - cryptography and Data Security. 161CS33 - Microprocessors and Microcontrollers. 161ECE27 - Cloud Computing.
Academic Achievements	<ol style="list-style-type: none">1. Produced above 90% results in the UG Theory Examinations for the following Courses handled during Even Sem 2013-14/Odd Sem 2014-15.<ol style="list-style-type: none">1. 12CS41 – Microprocessors and Microcontrollers.2. 12EC52 – Computer Architecture and Organization.3. GE2025 – Professional Ethics in engineering.2. Produced above 90% results in the UG Theory Examinations for the course 12CS41 – Microprocessors and Microcontrollers handled during Even Sem 2014-15.3. Produced 100% results in the UG Theory Examinations for the course 12GE32 – Professional Ethics in engineering handled during Even Sem 2014-15.4. Produced above 90% results in the UG Theory Examinations for the course 12EC52 – Computer Architecture and Organization handled during Odd Sem 2015-16.5. NPTEL Online Certification for successfully completing the course “Introduction to Operating Systems” with a consolidated score of 59% on Jul to Sep 2016 (20 hour Course).6. Produced 100% results in the UG Theory Examinations for the courses Data Structures and C++ & Computer Architecture and Organization handled during Odd Sem 2016-17.7. NPTEL Online Certification for successfully completing the course with Elite (TOPPER) “Computer Architecture” with a consolidated score of 84% on Jan to Apr 2017 (12 week course).8. Produced 100% results in the UG Theory Examinations for the course 12EC52 – Computer Architecture and Organization handled during Odd Sem 2017-18.9. NPTEL Online Certification for successfully completing the course with Elite “Cloud Computing” with a consolidated score of 60% on Aug to Sep 2018 (8 week course).10. Produced 100% results in the UG Theory Examinations for the course 12GE32 – Professional Ethics in engineering handled during Even Semester 2017-18.11. NPTEL Online Certification for successfully completing the course with Elite (TOPPER) “Introduction to Internet of Things” with a consolidated score of 99% on Jan to Apr 2019 (12 week course).

<p>Details of Seminars /Workshops Organized</p>	<ol style="list-style-type: none"> 1. Zonal Rounds of Robotryst – 2013, a national level Robotics championship held from 12.10.2012 & 13.10.2012 at P.S.R. Engineering College organized by Robosabiens Technologies Pvt Ltd in association with TRYST IIT-Delhi. 2. Organized a Workshop titled “Robotec’13” conducted by the Department of Electronics and Communication Engineering of P.S.R. Engineering College on 30.09.2013. 3. “Workshop on HTML & CSS” held from 12.08.2016 & 13.08.2016 at Department of ECE, P.S.R. Engineering College, Sivakasi.
<p>Details of FDP/ Seminars /Workshops attended</p>	<ol style="list-style-type: none"> 1. Attended a two days workshop on “Web Technology”, 6th & 7th April 2007 at P.S.R. Engineering College, Sivakasi. 2. Participated in three days training programme on “Teaching Skills and Quality Education – TEQ’09 organized by Department of Electrical and Electronics Engineering & Research and Development Cell of P.S.R. Engineering College during 18th to 20th June 2009. 3. Attended and Participated in the two days training programme on “TEACHER EMPOWERMENT PROGRAMME – TEMP’09 conducted by the ISTE chapter of P.S.R. Engineering College on 30.11.2009 & 1.12.2009. 4. Participated in the Council of Scientific and Industrial Research (CSIR), New Delhi two days national seminar on “Semantic Information Retrieval from medical databases for clinical decision support systems” organized by Department of Computer Science and Engineering of National Engineering College during 6.4.2012 & 7.4.2012. 5. Participated in the two days national seminar on “Research Issues in Soft Computing techniques for Nuclear Energy Systems” organized by Department of Computer Science and Engineering of National Engineering College during 28.9.2012 & 29.9.2012. 6. Participated and Worked as a workshop coordinator in Zonal Rounds of Robotryst – 2013, a national level Robotics championship held from 12.10.2012 & 13.10.2012 at P.S.R. Engineering College organized by Robosabiens Technologies Pvt Ltd in association with TRYST IIT-Delhi. 7. Participated in the two days national seminar on “Language Based Formal Methods and Verification Techniques for Security” organized by Department of Computer Science and Engineering of National Engineering College during 2.8.2013 & 3.8.2013. 8. Participated in Department of Bio-Technology, New Delhi sponsored two days national seminar on “Recent Advances in Emerging Trends in Life Science Research in BIOCLOUD – Bioinformatics using Cloud Computing Technologies” organized by Department of Computer Science and Engineering of National Engineering College on 20.9.2013 & 21.9.2013. 9. Organized and Delivered a Guest Lecture with Hands-on-Session in the Workshop titled “Robotec’13” conducted by the Department of Electronics and Communication Engineering of P.S.R. Engineering College on 30.09.2013. 10. Attended one day national seminar on “Research issues and challenges in Cloud Computing and Big Data Analytics” organized by Department of Computer Science and Engineering on 22.5.2014 National Engineering College.

	<ol style="list-style-type: none"> 11. Attended and Participated in the faculty development programme on “Application Development using Android: A Next Generation Technique” organized by IEEE madras section at National Engineering College during 14.11.14 & 15.11.14. 12. Participated and Presented a Paper entitled “Co-operative Search Algorithm to Enhance connectivity in under water sensor networks” in the national Conference on Emerging Communication Trends [NCECT’16] held on 18th march 2016 organized by the Department of Electronics and Communication Engineering of P.S.R. Engineering College. 13. Participated and Presented a Paper entitled “SMS Controlled Smart E-Notice Board using GSM” in the national Conference on Emerging Communication Trends [NCECT’16] held on 18th march 2016 organized by the Department of Electronics and Communication Engineering of P.S.R. Engineering College 14. Participated and worked as a coordinator in FDP “Workshop on HTML & CSS” held from 12.08.2016 & 13.08.2016 at Department of ECE, P.S.R. Engineering College, Sivakasi. 15. Participated in two days faculty Development Program on “INTRODUCTION TO R PROGRAMMING” conducted by ICT Academy on 19 & 20 Dec 2017 held at PSREC, Virudhunagar. 16. Participated in one day faculty Development Program on “Outcome Based Education & AICTE Model Curriculum” Organized by the P.S.R. Engineering College on 28th JULY 2018. 17. Participated in one day faculty Development Program entitled “IOT and its Real Time Applications” Organized by IETE student chapter, Department of ECE, P.S.R. Engineering College on 14th September 2018. 18. Participated in one day faculty Development Program on “Tips and Tricks in Microsoft Office” Organized by Department of Civil and CSE at P.S.R. Engineering College on 20th November 2018. 19. Delivered a Guest Lecture on the Topic “Recent Trends in Big Data Analytics” at Department of CSE, PSN College of Engineering and Technology on 22.11.2018. 20. Participated in the two days FDP on “Research Avenues of Neural Network in Engineering and Technology” organized by Research and Development Cell, P.S.R. Engineering College during 24.11.2018 & 25.11.2018. 21. Participated in one day faculty Development Program on “E-Learning Resource – Google Class Room” Organized by Research and Development Cell & Innovation Cell, P.S.R. Engineering College on 31st October 2018. 22. Participated in two days faculty Development Program on “Introduction to Big Data Analytics” conducted by ICT Academy on 30.05.2019 & 31.05.2019 held at PSR Engineering College.
Memberships	NIL
Contribution to Institution	<ol style="list-style-type: none"> 1. Bus In charge. 2. Information Support System - Convener. 3. SMS In charge. 4. NBA B4 – Coordinator. 5. NAAC C5 – Coordinator. 6. PSRAA - ALUMNI member. 7. Supporting COE team in Exam related activities.

Contribution to Department	<ol style="list-style-type: none">1. NBA B4 – In charge.2. NAAC C5 – In charge.3. Faculty Advisor.4. Alumni In charge.5. Automation In charge.6. Organizer/committee member for conferences/association/symposium activities.7. Organizer of Guest lecturers for the benefit of the students by Alumni.
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PLACE:

DATE:

Signature of the Faculty