BIO DATA

1. Name   :Dr. P.PREMKUMAR
2. Designation   : Professor
3. Date of Joining   : 27.02.1980
4. Nature of Association : Regular
5. E mail   : premkumar@ksrct.ac.in
6. Mobile no.   : +91 97906666007

7. Academic Qualifications:

Course	Name of the Institution / University	Year of Passing	% of Marks	Class
Ph.D	Anna University	April 2015	-	-
M.E	K.S.Rangasamy College of Technology, Tiruchengode, Anna University	May 2004	8.97/10 (CGPA)	First
B.E.	Erode Sengunthar Engineering College, Bharathiyar University	April 2001	62.15	First
H.S.C.	Government Boys Higher Secondary School, Vennandur	April 1995	76.4	First
S.S.L.C.	Government Boys Higher Secondary School,vennandur	April 1997	76.8	First

8. Teaching Experience

- **Professor and Head,** K.S.Rangasamy College of Technology, Tiruchengode, from June 2008 to till-date.
- **Professor,** K.S.R. College of Engineering, Tiruchengode,
- **Assistant Professor,** K.S.Rangasamy College of Technology, Tiruchengode, from 01.07.2007 to 14.06.2016
- **Lecturer,** K.S. Rangasamy Institute of Technology, Tiruchengode, from 17.08.2001 to 30.06.2007

9. **Projects**

Under Graduate

- **Title:** ìSpherical Turning attachment in Latheî

Post Graduate

- **Title:** ìThermal Stresses on Dry Friction by using Finite Element Method î

Ph. D

- **Thesis title:** Efficient optimization techniques for synthesis of topology and sizing analog circuits.

10. Publications

International Journals

1) **Premkumar, P**., Duraiswamy, K**.,"An optimized device sizing of analog circuits using particle swarm optimization"**, Journal of Computer Science, vol. 8, no. 6, P.No. 930-935, 2012**.**

2) **Premkumar. P**, K. Duraiswamy and A.J. Anand, **"An optimized device sizing of analog circuits using genetic algorithm",** European Journal of Scientific Research, vol.69, pp. 441-448, 2012.

3) **Premkumar .P**, K.Duraisamy**," An Optimized Device Sizing of Filter Circuit using Genetic Algorithm",** International Journal of Advanced Engineering and Technology, Volume.1, Issue.3, P.No.15-21, 2012.

4) **Premkumar. P," A Design and real time implementation of PLC for automatic neutralization in ASTP",** i-manager's Journal on Circuits and Systems, Volume .1, Issue.4, P.No.14-17, 2014.

5) **Premkumar. P**, "Quad copter video surveillance and control using computer", International Journal of Electrical and Electronics Engineers, Volume 7, Issue.1, P.No. 340-346,2015.

6) **Premkumar.P," One Touch Alarm System For Women's Safety Using GSM",** International Journal of Science, Technology & Management, Volume No 04, Special Issue No. 01, P.No.1536 – 1539,March 2015

7) **Premkumar. P**, *"Access and Control the Offline Computer via IOT", International Journal for Science and Research in Technology, Volume 2, issue 3, P.No.47-49, March 2016.*

8) **Premkumar. P**, **"Automatic solar tracking system to maximize power extraction"** ,International Journal for Science and Research in Technology, volume 2, Issue 3, P.No.50-53, March 2016.

International Conferences

1. **Premkumar. P,** Quadcopter Video Surveillance Control Using Computer, *International Conference on Recent Trends in Engineering Science and Management, Jawaharlal Nehru University(JNU Convention Centre), New Delhi on 15th March 2015*

2. **Premkumar. P,** One Touch Alarm System for Women's Safety Using GSM, *International Conference on Recent Trends in Engineering Science and Management, Jawaharlal Nehru University(JNU Convention Centre), New Delhi on 15th March 2015*

3. **Premkumar. P,** Extended Visual Cryptography Using Complementary

Share Participant Verification(POS33), ***International Conference on Advances in Computing(ICAC 2008),****Anuradha Engineering College, Chikhli on February 21-22, 2008*

4. **Premkumar. P,** Efficient Application of Data Mining Algorithm in Network Intrusion Analyze And Notification(POS18), ***International Conference on Advances in Computing(ICAC 2008),*** *Anuradha Engineering College, Chikhli on February 21-22, 2008*

5. **Premkumar. P,** Nano materials and Nano Technology, ***International Conference*** organized by Department of Nano Science Technology at *K. S. Rangasamy College Of Technology, Tiruchengode from 07.12.2015 to 10.12.2015.*

National Conferences

1. **Premkumar. P**, Robust Performance of Congestion Control in Heterogeneous Propagation Delay Networks, ***Second National Conference on SIGNALS, SYSTEM AND SYSTEM (NCSSS 2006)*** *Organized by Department of Electronics and Communications Engineering, Bannari Amman Institute of Technology, Sathyamangalam on February 24-25 2006.*
2. **Premkumar. P,** A Novel DSP-Based Indirect Rotor Position Estimation For PMSM Without Rotor Saliency, ***National Level Conference, Tech Fete 2004 on Intelligence Techniques,*** *K. S. Rangasamy College Of Technology, Tiruchengode on February 24th 2004*

11. **Fellowships**

12. **Summer Training Programmes**
    - Participated in NPTEL workshop organized by National Programme on Technology Enhanced Learning (NPTEL), Indian Institute of Technology Madras, Chennai on 19.01.2019
    - Participated in NPTEL workshop organized by National Programme on Technology Enhanced Learning (NPTEL), Indian Institute of Technology Madras, Chennai on 14.07.2018
    - Participated in NPTEL workshop organized by National Programme on Technology Enhanced Learning (NPTEL), Indian Institute of Technology Madras, Chennai on 15.07.2017
    - Underwent Short Term Training Programme in Opportunities and Challenges in Internet of Things at Pondicherry Engineering College from 27.11.2017 to 01.12.2017
    - Underwent CMOS Mixed Signal and Radio Frequency VLSI Design conducted by IIT, Kharagpur at K. S. Rangasamy College of Technology, and Tiruchengode from 26.12.2017 to 04.02.2017.
    - Underwent Short Term Training Programme in Recent Trends in Signal Processing conducted by K. S. R. College of Engineering at K. S. Rangasamy College of Technology, Tiruchengode from 19.03.2007 to 23.03.2007
    - Participated Intellectual Property Rights Workshop organized by Department of Mechanical Engineering at K. S. Rangasamy College of Technology, Tiruchengode on 06.08.2016.
    - Participated Algorithms in Image Processing organized by Department of Electrical and Electronics Engineering & Electronics and Communication Engineering at Velalar College of Engineering and Technology on 06.09.2008

- Participated Tanner Tools Workshop organized by Department of Electronics and Communication Engineering at K. S. Rangasamy College of Technology, Tiruchengode on 09.08.2008
- Participated Circuit Simulation using Multisim Software Workshop organized by K. S. Rangasamy College of Technology & Computer India, Coimbatore at K. S. Rangasamy College of Technology, Tiruchengode on 08.12.2007.
- Participated Research Methodology in Computer Science Workshop organized by Department of Computer Science Engineering & Information Technology at K. S. Rangasamy College of Technology, Tiruchengode on 11.08.2007
- Participated Recent Trends in Multimedia Programming Workshop organized by Department of Information Technology at SSN College of Engineering, Kalavakkam from 05.10.2017 to 07.10.2017
- Attended the Seminar on Research Methodologies conducted by K. S. R. College of Engineering at K. S. Rangasamy College of Technology, Tiruchengode on 04.04.2019.
- Attended the seminar on Heuristic Optimization Techniques for Engineering and Research Applications organized by Bannari Amman Institute of Technology at Bannari Amman Institute of Technology, Sathyamangalam from 24.09.2010 to 25.09.2010.
- Attended one day workshop on Promotion on Research and Faculty Development in Technical Institutions (Sponsored by Anna University Tiruchirappalli and Tamil Nadu State Council for Science and Technology, Chennai) on 07.02.2008 at J.J.College of Engineering and Technology, Tiruchirappalli.
- Participated FEA Training Event 2008 Discover finite element analysis like never before from 21.08.2008 to 22.08.2008 at Finite to Infinite, Pune.
- Attended two day National Level Workshop on Impact of Nanotechnology in Materials on Aviation (sponsored by CSIR New Delhi), from 09.10.2009 to 10.10.2009 at Excel Engineering College, Komarapalayam, Namakkal.
- Attended special lecture on Industrial Wear Control on 22.01.2009 at Indian Institute of Technology Madras, Chennai-36.
- Attended two day workshop on Recent Advancements and challenges in Design Engineering, from 04.09.2010 to 05.09.2010 at Sri Venkateswara College of Engineering, Chennai.
- Participated in the Programme on Building Competitiveness in Higher Education organized by Confederation of Indian Industry ñ Erode District and CII Institute of Quality on 22.01.2010 at Erode.
- Participated in the National Level Workshop on Research in Computer Science ñ Issues and Challenges organized by the Department of Computer Applications (MCA), K.S.Rangasamy College of Technology, Tiruchengode on 17.04.2010.
- Participated in the 13th Annual Convention of Tamil Nadu and Pondicherry Section on Emerging Trends in Engineering Education ñ Indian Perspective, organized by K.S.Rangasamy College of Technology, Tiruchengode-637 215 from October 29 to 30, 2010.
- Participated in the 98th Indian Science Congress, organized by SRM University, Chennai from January 3 to 7, 2011.
- Participated in the Regional Summit on Quality in Education organized by Confederation of Indian Industry Coimbatore Zone & CII Institute of Quality, Bangalore on 21-22 January 2011 at Coimbatore.
- Attended three weeks AICTE sponsored Staff development programme on Micro Machining & Micro Electro Mechanical Systems, from 13.06.2011 to 27.06.2011 organized by Department of Mechanical Engineering, Adhiyamaan College of Engineering, Hosur, Tamil Nadu.

- Participated in Mission 10X workshop conducted at K.S.Rangasamy College of Technology, Tiruchengode from 13.09.2011 to 17.09.2011.
- Organized the SAE India National Student Convention 2011 at K.S.Rangasamy College of Technology in association with SAE India Southern Section from 30.09.2011 to 01.10.2011.
- Participated in the 1st World summit on Accreditation ñ Achieving Excellence through Accreditation (WOSA 2012) from 25.03.2012 to 28.03.2012 organized by National Board of Accreditation, New Delhi.
- Participated in AICTE-CII University-Industry Congress 2012 - Mechanism to Map Industry Linkages of Institutes on 23.06.2012 at P.S.G College of Technology, Coimbatore.
- Participated in one-day workshop on New Accreditation Process on 29.06.2012 at Anna University, Chennai.
- Participated in one-day workshop on Training of Evaluators/Resource Persons on Outcome Based Accreditation (Phase ñ I) organized by National Board of

Accreditation on 29.04.2013 at Bannari Amman Institute of Technology, Sathyamangalam -638 401.

- Participated in three-day workshop on Training of Evaluators/Resource Persons on Outcome Based Accreditation (Phase ñ II) organized by National Board of Accreditation from 09.05.2013 to 11.05.2013 at Bannari Amman Institute of Technology, Sathyamangalam -638 401.
- Participated in one day workshop on Role of NDT & Metallography in Failure Analysis organized by Department of Mechanical Engineering, Dr. Mahalingam College of Engineering and Technology, Pollachi and Society for Failure Analysis, Hyderabad on 06.09.2013.
- Participated in NPTEL workshop organized by National Programme on Technology Enhanced Learning (NPTEL), Indian Institute of Technology Madras, Chennai on 20.09.2013.
- Participated in an AICTE Sponsored Short Term Course on introduction to Smart Systems from 25.11.2013 to 29.11.2013 at Indian Institute of Technology Madras, Chennai-600 036.
- Attended two weeks refresher course on Materials Preparation and Measurement of Properties organized by Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi, The National Academy of Sciences, India, Allahabad during 06.05.2014 to 21.05.2014 at Indian Academy of Science, Bangalore.

13. **Funds Received to Organize the Seminar**

14. **Invited Lecture Delivered**
    - Contributed as a CHAIR PERSON at the *International Conference* on **Smart Applications for Environmental Quality Assessment and Promoting Health Care Systems using Internet of Things** at Department of Civil Engineering, K. S. Rangasamy College of Technology, Tiruchengode on August 28&29, 2019.
    - Contributed as a CHAIR PERSON at the *National Conference* on **"Trends in Engineering Applications-NCTEA'19** at Velalar College of Engineering and Technology on 2nd March, 2019.
    - Delivered a guest lecture on **"DIGITAL SIGNAL PROCESSING"** in the month of November at Vivekananda College of Engineering for Women, Tiruchengode.

15. **Membership in Professional Bodies**

16. **Awards and Recognizions**
    - Recognized as innoWAH! Coordinator by PALS on 16.03.2019
    - Recognized as Executive Committee Member by PALS on 16.03.2019
    - Recognized as Certification of Application for SWAYAM - NPTEL Local Chapter by SWAYAM-NPTEL, IIT Madras on Jul-Oct, 2018.
    - Recognized as NPTEL's Brand Ambassador for SWAYAM - NPTEL Local Chapter by SWAYAM-NPTEL, IIT Madras on Jan-Jun, 2018
    - Recognized as NPTEL's Brand Ambassador for SWAYAM - NPTEL Local Chapter by SWAYAM-NPTEL, IIT Madras on Jul-Dec, 2017
    - Recognized as Certification of Application for SWAYAM - NPTEL Local Chapter by SWAYAM-NPTEL, IIT, Madras on Jan-Jun, 2017
    - Recognized as Certification of Application for SWAYAM - NPTEL Local Chapter by SWAYAM-NPTEL, IIT, Madras on Jul-Dec, 2017

- Recognized as NPTEL's Brand Ambassador for SWAYAM - NPTEL Local Chapter by SWAYAM-NPTEL, IIT Madras on Jan-May, 2016
- Recognized as NPTEL's Brand Ambassador by SWAYAM-NPTEL, IIT Madras on Dec, 2015
- Received Outstanding Teacher Award for 100% Result in Micro Processors and Micro Controllers by K. S. Rangasamy College of Technology, Tiruchengode on Nov-Dec, 2012
- Received Outstanding Teacher Award for 100% Result in Digital Signal Processing by K. S. Rangasamy College of Technology, Tiruchengode on April-May, 2012

17. **Research Activities**

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18. **Abroad Visit**

19. **Personal Details**

Fathers Name	:	S. Arumugam
Date of Birth & Age	:	27.02.1980 & 40years
Gender	:	Male
Marital Status	:	Married
Permanent Address	:	18/10, Angalamman kovil street Vennandur Namakkal (Dt).