

# CURRICULAM VITAE

1. Name : Ramesh C.  
 2. Designation : Assistant Professor  
 3. Date of Birth : 23.05.2019  
 4. Bank A/c No. (LVB) : 0751301000182281  
 5. PAN No. : AZWPC6707H  
 6. Passport No. : -  
 7. PF No. : -  
 8. DOJ : 01.06.2015  
 9. E-mail ID :



|             |                       |
|-------------|-----------------------|
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## 10. Contact Address & Phone No.:

|                         |  |
|-------------------------|--|
| 1. Residential Address  | 2/279A, A.P.R Nagar,<br>4. Chettipalayam,<br>Angeripalayam (PO),<br>Tirupur – 641603 |
| 2. Land line No. (Home) |  |
| 3. Mobile               | 9629767778   |

11. Name of the Institution : K.S.Rangasamy College of Technology,  
Tiruchengode – 637 215.

12. Department : Mechanical Engineering

## 13. Academic Qualifications: (Starting from SSLC)

| S. No. | School / Diploma / Degree | Board / Institution / University                        | Year of passing | % of marks/ points | Class | Field of Specialization               |
|--------|---------------------------|---|-----------------|--------------------|-------|---------------------------------------|
| 1.     | SSLC                      | V.K Govt Hr Sec School, Tiruppur                        | 2007            | 85.6%              | First |                                       |
| 2.     | HSC                       | Veveaham Hr Sec School, Dharapuram                      | 2009            | 90%                | First | Biology                               |
| 3.     | B.E                       | Bannari Amman Institute of Technology, Sathyamanagalam. | 2013            | 8.00               | First | Mechanical                            |
| 4.     | M.E                       | K.S Rangasamy College of Technology, Tiruchengode.      | 2015            | 8.46               | First | Computer Aided Design                 |
| 5.     | MBA                       | Bharathiyar University,                                 | 2018            | 8.2                | First | Logistics and Supply Chain management |
| 6.     | Ph.D.                     | Anna University   | Pursuing        | -                  | -     | IC Engines, CFD                       |

## 14. Teaching Experience :

| S. No. | Name of the Institution              | Designation         | From       | To         | Total Experience |          |
|--------|--------------------------------------|---------------------|------------|------------|------------------|----------|
|        |                                      |                     |            |            | Year(s)          | Month(s) |
| 1.     | K.S Rangasamy College of Technology, | Assistant Professor | 01.06.2015 | 05.07.2022 | 7Y               | 1M       |

|  |                     |  |  |  |  |
|--|---------------------|--|--|--|--|
|  | <b>Tiruchengode</b> |  |  |  |  |
|--|---------------------|--|--|--|--|

**15. Industrial Experience :**

| S. No. | Name of the Industry | Designation | From | To | Total Experience |          |
|--------|----------------------|-------------|------|----|------------------|----------|
|        |                      |             |      |    | Year(s)          | Month(s) |
| 1.     | <b>NIL</b>           |             |      |    |                  |          |

**16. Membership in Professional Bodies:**

1. SAE
2. ISTE
3. IEI

**17. Details of Projects Undertaken:**

| S. No. | Title of Project | Duration | Funding Agency | Funds Granted | Whether completed or in progress |
|--------|------------------|----------|----------------|---------------|----------------------------------|
| 1.     | <b>NIL</b>       |          |                |               |                                  |

**18. NATIONAL JOURNAL** (Specify Author(s) / Topic / Journal / Volume No. / Page No. / Year):

- 1.
- 2.

**19. INTERNATIONAL JOURNAL** (Specify Author(s) / Topic / Journal/ Volume No. / Page No. / Year):

- Ramesh C., Prakash P., Sankar P., Prakash R., (2019), "***Fem and Execution Analysis of Hardfaced Aluminium Alloy Impeller***" in *International Conference on Advances in Material Research (ICAMR 2019) at Bannari Amman Institute of Technology, Sathyamangalam.*
- Ramesh C., Dr. Murugesan A., Dr. Mylsami G., (2019) "***Influence of Electronically Controlled Hot and Cold External Re – Breathing System in DI-CI Diesel Engine for Reducing NOx Emission***" in National conference on Internal combustion engines and combustion (NCICEC 2019) at National Institute of Technology, Kurukshetra.
- Ramesh C., Dr. Murugesan A., Dr. Kumaravel A., (2019) "***Reducing the Environmental Pollution from Diesel Engine Fueled with Eco - Friendly Bio Diesel Blends***" in Smart applications for environmental quality assessment and promoting health care systems using Internet of things at K.S.Rangasamy College of Technology, Tiruchengode.
- **Ramesh C., Murugesan A., Kumaravel A., (2018), "*Experimental Investigation on Reducing NOx Emission in Diesel Engine Fueled with Non Edible Pungamia Oil using EGR System*"**, International Conference on Breakthrough in Engineering, Science and Technology, Institute of Engineering Research, Special issue, pp. 182-189. ISSN 2456 – 6446.
- **Ramesh C., Prakash P., Naveen T.K., Siddharthan B., (2016), "*Theoretical and Experimental Investigations of Mechanical Properties of Hardfaced Aluminium By TIG Welding*"**, Advances in Natural and Applied Science, Vol. 7, pp. 18-25.
- **Ramesh C., Eswaramoorthi K., (2015) "*Performance Analysis of hardfaced aluminium alloy pump impeller*"**, National Conference on Advances in Design and Manufacturing (CADEM 2015), Advances in Material and Applied Science, Vol. 5, pp. 154-159.

**20. NATIONAL CONFERENCE** (Specify Author(s) / Topic / Venue / Date / Volume No. / Page No.):

- "***Performance and Emission Characteristics of Diesel Engine fueled with green diesel as micro algae with neem nano additives***" Virtual National Conference on Design, Manufacturing and Automation (NCDMA 2021), SRM TRP Engineering College, Trichy, 04<sup>th</sup> July 2020.

- “*Design and Fabrication of 360<sup>0</sup> Drilling Machine*” Virtual National Conference on Artificial in Mechanical and Civil Engineering (NCAIMC 2020), SRM TRP Engineering College, Trichy, 04<sup>th</sup> July 2020.
- “*Performance Analysis of hardfaced aluminium alloy (6066) pump impeller*”, International conference on Recent Advancement in design, Automation and intelligent system (ICRADAIS – 2K16), Dr.N.G.P Institute of Technology, Coimbatore. 20<sup>th</sup> March 2016.
- “*Computational Fluid Dynamics Analysis on Wind Turbine Blade Profile*”, National Conference on Computational Fluid Dynamics Applications in Biotechnology Processes, Department of Mechanical Engineering & Bio Technology, K.S.Rangasamy College of Technology, Tiruchengode. 18<sup>th</sup> & 19<sup>th</sup> August 2015.
- “*Theoretical and Experimental Investigations of Mechanical Properties of Hardfaced Aluminium By TIG Welding*”, National Conference on Recent Advancements in Mechanical Engineering (RAME 2015), Department of Mechanical Engineering, K.S.Rangasamy College of Technology, Tiruchengode. 16<sup>th</sup> April 2015.
- “*Performance Analysis of hardfaced aluminium alloy (6061) pump impeller*”, National Conference on Advances in Design and Manufacturing (CADEM 2015), Department of Mechanical Engineering, Sethu Institute of Technology, Virudhunagar.
- “*Theoretical and Experimental Investigations of Mechanical Properties of Hardfaced Aluminium materials*”, National Conference on Recent Trends in Mechanical Engineering (NCRTME 2014), Department of Mechanical Engineering, Cauvery College of Engineering and Technology, Mettur. 08<sup>th</sup> March 2015.
- “*Cotton Seed And Rubber Seed Oil For Diesel Engine*”, National Conference on alternate fuels, Department of Mechanical Engineering, Sri Manakula Vinayagar Engineering College, Pondicherry.
- **Ramesh C.**, (2019) “Solar Operated Railway Track Crack Detector”, Sustainable Materials ICSM 2K19 Organized by KSR College of Engineering, Erode – 637215.
- **Ramesh C.**, (2019) “Analysis of Boiler Parts and Tube failure”, Sustainable Materials ICSM 2K19 Organized by KSR College of Engineering, Erode – 637215.

**21. INTERNATIONAL CONFERENCE** (Specify Author(s) / Topic / Venue / Date / Volume No. / Page No.):

1. **Ramesh C.**, (2019) “Design and Fabrication of Paper Cutting Machine by Using Geneva Mechanism”, Advancement in Science, Engineering and Technology (ICASET’19) Organized by M.P.Nachimuthu M.Jaganathan Engineering College, Chennimalai, Erode – 638112.

**22. WORKSHOP / CONFERENCE / SEMINAR PARTICIPATED (1 TO 3 DAYS ONLY)** (Specify Topic / Venue / Date)

- Participated in a One day Seminar on “Composite Materials”, at K.S.Rangasamy College of Technology, Tiruchengode
- Participated in a One day National Level Technical Seminar on “Characterization and Applications of Composite Materials”, at N.S.N College of Engineering and Technology, Karur. 10<sup>th</sup> March 2014.

**23. STTP / FDP (4 TO 21 DAYS ONLY)** (Specify Topic / Venue / Date)

1. Participated in a One Day National Workshop on “**Manufacturing and Testing of Composite Materials**”, at K.S.Rangasamy College of Technology, Tiruchengode. 29<sup>th</sup> February 2016.
2. Participated in a One Day National Workshop on “**Computational Fluid Dynamics**”, at K.S.Rangasamy College of Technology, Tiruchengode. 08<sup>th</sup> February 2016.

3. **“Embedded System Design in Robotics, Mat lab and Lab view”**, EXPRO’11, Department of Mechanical engineering, Madras Institute of Technology, Chennai.
4. **“Product Development Strategies Using Rapid Prototype”**, Department of Production Technology, PSG College of Technology, Coimbatore.
5. Participated in a Faculty development program on **“ Environmental Sciences”** Organized by Indian Institute of Technology, Bombay.(Duration 5 days)
6. Participated in a Faculty development training program on **“ME 6501 – Kinematics of Machinery**, Nehru Institute of Engineering and Technology, Coimbatore.(Duration 7 days)
7. Participated in a Faculty development training program on **“ME 6703 – Computer Integrated Manufacturing Systems**, Nehru Institute of Engineering and Technology, Coimbatore. (Duration 7 days)
8. Participated in **AICTE sponsored** Two weeks Faculty development training program on **“Nanotechnology for energy and agricultural sectors”**, IFET College of Engineering, Villupuram. (Duration 14 days)
9. Participated in **IIT Bombay** sponsored **One Month** Faculty development program on **“Foundation Program in ICT for Education”**, (03.08.2017 to 07.09.2017), IIT Bombay.
10. Participated in **IIT Bombay** sponsored **One Month** Faculty development program on **“Pedagogy for online and Blended Teaching – Learning Process”** (14.09.2017 to 17.10. 2017), IIT Bombay.
11. Participated in a Two Days International Workshop on **“Smart Systems, UAVs and its Applications”**, (18.05.2018 to 19.05.2018) Sponsored by **University of Bangalore** at Jain University, Bangalore.

**24. INVITED TALK / GUEST LECTURE (INSIDE / OUTSIDE KSRCT) (Specify Topic / Venue / Date)**

**NIL**

**25. PROGRAMS ORGANIZED (CONFERENCE / WORKSHOP / SEMINAR / STTP / FDP):**

01. 1. Organized a **ICT Academy Sponsored** Two Weeks Faculty Development Program on **“Introduction of FUSION 360”** from 15<sup>th</sup> May 2020 to 26<sup>th</sup> May 2020.
02. Organized a **AICTE Sponsored** Three Days Faculty Development Program on **“Artificial Intelligence in Recent Trends”** from 06<sup>th</sup> June to 09<sup>th</sup> June 2020.
03. Organized a **ICT Academy Sponsored** one-day Webinar on **“Importance of Autodesk Tools”** on 29<sup>th</sup> May 2021.
04. Organized a National Level Conference on **“Innovations and Emerging Trends in Mechanical Engineering (NCIETME 2021)”** on 07<sup>th</sup> May 2021.
05. Organized one-day webinar on **“Key Technological Innovations in Automotive Seat Manufacturing”** on 05<sup>th</sup> June 2021.
06. Organized a **KKM Soft Sponsored** webinar series on **“Fusion360 Adoption Program”** from 31<sup>st</sup> May to 18<sup>th</sup> June 2021.
07. Organized a 3 month Sponsored by **ICT Academy India Design Week Contest “Fusion360”** from December 2020 to February 2021.

**26. BOOKS / MONOGRAMS PUBLISHED:**

- Contributed a Book Chapter Entitled **Controlling the Environmental Pollution from Transport Vehicle using Green Fuel Technology – An Expatiate view** for the book **Recent Trends on Multidisciplinary Research** in January 2021.  
ISBN: 978-93-90781-23-2.

## **27. ADDITIONAL IN-CHARGE (EXCEPT TEACHING)**

- **Class Advisor**, (MECHANICAL 2016 – 2020 Batch), K.S.Rangasamy College of Technology, Tiruchengode.
- **IOT Coordinator**, Department of Mechanical Engineering, K.S.Rangasamy College of Technology, Tiruchengode.
- **Member of organizing committee of NANO 15 an International Conference**, held on 07<sup>th</sup> – 10<sup>th</sup> December at K.S.Rangasamy College of Technology, Tiruchengode.

## **28. AWARDS AND ACHIEVEMENTS (Academic, sports & etc.,)**

- Successfully completed and certified the course “**Processing of Polymer and Polymer Composites**” in NPTEL at the period July to September 2017. (**Duration 8 Weeks**)
- Awarded as a **Dr. A.P.J Abdulkalam Young Teacher** by **International Organization of Innovative Research and Publishers** in the year of 2019.
- Selected as Scholar for **Faculty Summer Research Fellowship Program** sponsored by **Indian Institute of Technology, Delhi** in the period of 03 June to 03 August 2020.

## **29. SUBJECT HANDLED**

1. Element of Mechanical Engineering
2. Dynamics of Machinery
3. Operations Research
4. Flexible Manufacturing Systems
5. CAD/CAM
6. Engineering Mechanics
7. Robotics