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## Present Position

Assistant Professor, Department of Mechanical Engineering, College of Engineering Guindy, Anna University, Chennai from October-2009.

## Present Additional Responsibility

- > FACULTY ADVISOR, Department of Mechanical Engineering, Anna University, Chennai from August-2017.
- > Coordinator, Department of Mechanical Engineering, Anna University, Chennai from July-2017.
- > Student Counsellor, Department of Mechanical Engineering, Anna University, Chennai from June-2009.

## Previous Positions

- > Teaching Research Associate, Department of Mechanical Engineering, College of Engineering Guindy, Anna University, Chennai during August-2008 and October-2009.

## Previous Additional Responsibility

- > Section In-charge - Post Graduate Students, Department of Mechanical Engineering, Anna University, Chennai during December-2008 and December-2016.

## Other Employment

- > PRODUCT MANAGER-TRAINER FOR ENGG. FACULTY, CADD CENTRE TRAINING SERVICES PVT LTD. for 1 Year.
- > SENIOR LECTURER, SRI VENKATESWARA COLLEGE OF ENGINEERING, PENNALAR for 1 Year & 6 Months.
- > SENIOR LECTURER, JERUSALEM COLLEGE OF ENGINEERING for 1 Year & 6 Months.
- > LECTURER, JERUSALEM COLLEGE OF ENGINEERING for 3 Years & 10 Months .
- > INSTALLATION ENGINEER, KONE ELEVATOR INDIA LTD for 2 YEARS.

## Degree

- ❖ M.E. in MECHANICAL ENGINEERING , BIST, UNIVERSITY OF MADRAS (2001 - 2003).
- ❖ B.E. in MECHANICAL ENGINEERING , COLLEGE OF ENGINEERING, GUINDY, ANNA UNIVERSITY (1994 - 1998).

## Research Degree

- ❖ Ph.D. in CONDITION MONITORING, DESIGN ANALYSIS from Faculty of MECHANICAL ENGINEERING, CEG, GUINDY, ANNA UNIVERSITY - 0).  
Title: AN EXPERIMENTAL STUDY FOR THE DESIGN AND DEVELOPMENT OF A LOW COST CONDITION MONITORING SYSTEM FOR GRINDING WHEEL LOADING AND DRESSING USING MACHINE VISION AND INFRARED TECHNIQUES.

## Area of Specialisation

- APPLIED SCIENCE AND ENGINEERING, FINITE ELEMENT ANALYSIS, ENGINEERING DESIG

## Membership in Professional Organization

- LIFE MEMBER in ISTE, ISNT and member in ASME

## Research Guidance

Number of M.E./ M.Tech. Projects : 5  
Guided  
Number of M.E./ M.Tech. Projects : 3  
Guiding

## Papers Published in Journals

Research Papers Published in International Journals : 3  
Research Papers Published in National Journals : 0

1. S.RAGAVANANTHAM,S.SAMPATHKUMAR, SHYAM M S, "OPTIMISATION OF SHUTTER SPEED IN MACHINE VISION TECHNIQUE FOR MONITORING GRINDING WHEEL LOADING", APPLIED MECHANICS AND MATERIALS, published by TRANS TECH PUBLICATIONS LTD,SWITZERLAND. Vol. 766, pp. 878-883 (2015).
2. S.RAGAVANANTHAM, P.ANBARASAN, D.DEVARAJ,S.VIJAYARAGAVAN, " DESIGN AND DEVELOPMENT OF COLLAPSIBLE STAIRS IN TRAINS FOR EASY ACCESS FROM LOW LEVEL PLATFORMS", INTERNATIONAL JOURNAL OF SCIENCE AND INNOVATIVE ENGINEERING AND TECHNOLOGY, published by IJSIET. Vol. 3, pp. 1-5 (2017).

3. AJITKUMAR R, SIVASURYAN M , SANTHOSH KUMAR M and RAGAVANANTHAM S, " DESIGN AND DEVELOPMENT OF A KIT FOR VISUALLY CHALLENGED PEOPLE", INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN SCIENCE, ENGINEERING AND TECHNOLOGY, published by ESS & ESS RESEARCH PUBLICATIONS. Vol. 7, Issue 4, pp. 3510-3520 (2018).

## Papers Presented in Programmes

Research Papers Presented in International Programmes : 10  
Research Papers Presented in National Programmes : 4

1. S.RAGAVANANTHAM, C.K.ROHITH SURYA, "INTERNET BASED CUSTOMER ORIENTED ORDERING AND MANUFACTURING SYSTEM FOR COMPLICATED MECHANICAL PRODUCTS" presented in a National level conference on 48TH NATIONAL CONVENTION OF IIE, organised by INDIAN INSTITUTION OF INDUSTRIAL ENGINEERING, BANGALURU, INDIA from 29-Sep-2006 to 30-Sep-2006.
2. S.RAGAVANANTHAM, S.SAMPATHKUMAR, VINAYAGA MURUGA PANDI, ASHOK SRINIVASAN, "ONLINE MONITORING OF GRINDING WHEEL LOADING USING INFRA RED TECHNIQUE" presented in a National level conference on EMERGING RESEARCH AND ADVANCES IN MECHANICAL ENGINEERING, organised by VELAMMAL ENGINEERING COLLEGE, INDIA from 23-Mar-2012.
3. S.RAGAVANANTHAM, S.SAMPATHKUMAR, V.NAVEEN CHAKRAVARTHY, "ANALYSIS OF GRINDING WHEEL LOADING USING ULTRASOUND TECHNIQUE" presented in a National level conference on RECENT ADVANCEMENTS IN MECHANICAL ENGINEERING, RAME-2011, organised by RAJALAKSHMI ENGINEERING COLLEGE, INDIA from 29-Mar-2012 to 30-Mar-2011.
4. VIPIN GOPAN, RAGAVANANTHAM S, SAMPATHKUMAR S, "Condition monitoring of grinding process through machine vision system" presented in a International level conference on MVIP 2012, organised by IEEE, INDIA from 14-Dec-2012 to 15-Dec-2012.
5. S.RAGAVANANTHAM, S.SAMPATHKUMAR, SHYAM M S, "OPTIMIZATION OF SHUTTER SPEED IN MACHINE VISION TECHNIQUE FOR MONITORING GRINDING WHEEL DRESSING" presented in a National level conference on ADVANCES IN MECHANICAL ENGINEERING, organised by SRI BALAJI CHOCKALINGAM ENGG COLLEGE, INDIA from 20-Mar-2014 to 21-Mar-2014.
6. S.RAGAVANANTHAM, S.SAMPATHKUMAR, S.SANTHOSH KUMAR , "OPTIMIZATION OF INFRARED WAVELENGTH FOR MONITORING GRINDING WHEEL LOADING" presented in a International level conference on ADVANCES IN MECHANICAL ENGINEERING, organised by UNIVERSITY COLLEGE OF ENGINEERING, VILLUPURAM, INDIA from 15-Oct-2015 to 16-Oct-2015.
7. S.RAGAVANANTHAM, S.SAMPATHKUMAR, S.SANTHOSH KUMAR, "OPTIMIZATION OF DRESSING PARAMETERS BY USING INFRARED TECHNIQUE AND SURFACE ROUGHNESS MEASUREMENT" presented in a International level conference on MATERIALS, DESIGN AND MANUFACTURING, organised by Department of Mechanical Engineering, Anna University, INDIA from 17-Feb-2016 to 19-Feb-2016.

8. S.RAGAVANANTHAM, ANANTHARAMAN SRIRAMAN, S.SAMPATHKUMAR, S.SANTHOSH KUMAR, "DEVELOPMENT OF ANN (ARTIFICIAL NEURAL NETWORK) MODEL TO PREDICT SURFACE ROUGHNESS" presented in a International level conference on MECHANICAL, MATERIALS AND MANUFACTURING SYSTEMS, organised by SAI RAM ENGINEERING COLLEGE, INDIA from 24-Feb-2016 to 25-Feb-2016.
9. S.RAGAVANANTHAM, S.SAMPATHKUMAR, S.SANTHOSH KUMAR, "OPTIMIZATION OF GRINDING PARAMETERS FOR WHEEL LOADING AND DRESSING" presented in a International level conference on ELECTRICAL,ELECTRONICS AND OPTIMIZATION TECHNIQUES, organised by IEEE MADRAS SECTION & DMI COLLEGE OF ENGINEERING, INDIA from 03-Mar-2016 to 05-Mar-2016.
10. ANANTHARAMAN SRIRAMAN, S.RAGAVANANTHAM, T.BALASUBRAMANI AND P.GURUPARAN, "REDUCTION OF PEDAL VIBRATION OF AN AUTOMOBILE USING ONE DIMENSIONAL ANALYSIS OF CLUTCH ACTUATION SYSTEM" presented in a International level conference on MECHANICAL AND BUILDING SCIENCES - 2016, organised by SNS COLLEGE OF TECHNOLOGY,COIMBATORE, INDIA from 23-Mar-2016 to 24-Mar-2016.
11. S.RAGAVANANTHAM, S.SAMPATHKUMAR, S.SANTHOSH KUMAR, "OPTIMIZATION OF LOCATION OF INFRA RED SENSORS FOR MONITORING GRINDING WHEEL LOADING" presented in a International level conference on FUTURISTIC INNOVATIONS IN MECHANICAL ENGINEERING AND MANUFACTURING MANAGEMENT, organised by M.KUMARASAMY COLLEGE OF ENGINEERING,KARUR, INDIA from 30-Mar-2016 to 31-Mar-2016.
12. S.RAGAVANANTHAM, G.RAJAGOPAL A.RAMAMURTHY A.RAJASHANKAR AND E.C.SELVASHOBANA JEBAMERLIN, "REDESIGN OF WRINKLES FREE FEEDING TECHNIQUE FOR A LEATHER SCANNING EQUIPMENT" presented in a International level conference on SCIENCE AND INNOVATIVE ENGINEERING, organised by ORGANISATION OF SCIENCE AND INNOVATIVE ENGINEERING AND TECHNOLOGY, INDIA from 03-Apr-2016.
13. S.RAGAVANANTHAM, S.SAMPATHKUMAR, S.SANTHOSHKUMAR, "A STUDY OF TEMPERATURE EFFECT ON GRINDING WHEEL SURFACE DURING WHEEL LOADING" presented in a International level conference on International Mechanical Engineering Congress and Exposition IMECE2016, organised by ASME, U.S.A from 11-Nov-2016 to 17-Nov-2016.
14. S.RAGAVANANTHAM AND MOHAMMED ABDUL KADAR, "DESIGN AND MODIFICATION OF RAILROAD BALLAST DISTRIBUTION SYSTEM IN THE RAILROAD BALLAST CLEANING MACHINE" presented in a International level conference on AIMTDR-2016, organised by COLLEGE OF ENGINEERING, PUNE, INDIA from 16-Dec-2016 to 18-Dec-2016.

## Books Published

1. "THERMODYNAMICS" authored by S.RAGAVANANTHAM, A.X.AMAL REBIN, SHAJIN KUMAR and published by KMK, CHENNAI.(2004)

## Programme Chaired

1. Co Chairman, International level conference titled "International Conference on Materials, Design and manufacturing" conducted by Anna University from 17-Feb-2016 to 19-Feb-2016.

### Programme Organized

1. COORDINATOR, National level Short Course on "GEOMETRIC DIMENSIONING AND TOLERANCING" from 08-Sep-2017 to 09-Sep-2017.

### Programme Attended

1. Attended a National level Short Course on "ADVANCED DIPLOMA IN COMPUTER HARDWARE TRAINING" organized by CHIPTECH, SSI 33 021 51 480 E, INDIA from 23-May-2005 to 10-Jun-2005.
2. Attended a National level Short Course on "CREATION OF NEW GENERATION OF ENTREPRENEURS" organized by SRI VENKATESARA COLLEGE OF ENGINEERING, SRIPERUMPUDUR, INDIA from 14-Jun-2006 to 24-Jun-2006.
3. Participated in a National level workshop on "THESIS WRITING FOR RESEARCH SCHOLARS " organized by CEG, ANNA UNIVERSITY, INDIA from 04-Dec-2008 to 05-Dec-2008.
4. Attended a National level seminar on "CREATIVITY & INNOVATION IN NEW PRODUCT DEVELOPMENT" organized by CEG, ANNA UNIVERSITY, INDIA from 24-Apr-2009 to 25-Apr-2009.
5. Attended a National level Short Course on "FEA USING ANSYS" organized by AU-FRG INSTITUTE FOR CAD/CAM, ANNA UNIVERSITY, INDIA from 25-May-2009 to 06-Jun-2009.
6. Attended a National level Short Course on "DESIGN OF JIGS FIXTURES & PRESS TOOLS " organized by CEG, ANNA UNIVERSITY, INDIA from 15-Jun-2009 to 23-Jun-2009.
7. Participated in a National level workshop on "ADVANCES IN STRONG MATERIALS AND ITS APPLICATIONS IN MECHANICAL ENGINEERING" organized by CEG, ANNA UNIVERSITY, INDIA from 05-Feb-2010 to 06-Feb-2010.
8. Participated in a International level workshop on "MATERIALS" organized by THE STERLING GROUP, UNITED KINGDOM, INDIA from 08-Apr-2010 to 08-Apr-2010.
9. Attended a National level Short Course on "GAS DYNAMICS AND JET PROPULSION " organized by CEG, ANNA UNIVERSITY, INDIA from 07-Jun-2010 to 13-Jun-2010.
10. Attended a International level Short Course on "PROCESS SIMULATION SOFTWARE – WITNESS" organized by CEG, ANNA UNIVERSITY, INDIA from 02-Aug-2010 to 03-Aug-2010.
11. Participated in a National level workshop on "NANO MATERIALS AND ITS APPLICATIONS – NANOMAT" organized by CEG, ANNA UNIVERSITY, INDIA from 20-Sep-2010 to 21-Sep-2010.
12. Participated in a National level workshop on "ECO FRIENDLY WELDING PROCESS " organized by CEG, ANNA UNIVERSITY, INDIA from 07-Oct-2010.

13. Participated in a International level workshop on "EMFT 2010" organized by DME, ANNA UNIVERSITY, INDIA from 11-Nov-2010 to 12-Nov-2010.
14. Participated in a National level workshop on "NON DESTRUCTIVE TECHNIQUE" organized by HINDUSTAN INSTITUTE OF TECHNOLOGY AND SCIENCE, INDIA from 03-Dec-2010.
15. Attended a National level Short Course on "FINITE ELEMENT METHOD WITH APPLICATIONS OF HEAT TRANSFER, FLUID AND SOLID MECHANICS" organized by SCHOOL OF MECHANICAL ENGINEERING, SRM UNIVERSITY, CHENNAI, INDIA from 22-Dec-2010 to 24-Dec-2010.
16. Attended a National level Short Course on "MATERIAL SELECTION, METALLOGRAPHY, MECHANICAL & NON DESTRUCTIVE TESTING" organized by IIT MADRAS & INDIAN WELDING SOCIETY, INDIA from 25-Feb-2011 to 26-Feb-2011.
17. Attended a National level Short Course on "FUNDAMENTALS OF NANO SCIENCE AND TECHNOLOGY" organized by CRYSTAL GROWTH CENTRE, ANNA UNIVERSITY, INDIA from 07-Dec-2011 to 21-Dec-2011.
18. Participated in a National level workshop on "ROLE OF NDT & METALLOGRAPHY IN FAILURE ANALYSIS" organized by CEG, ANNA UNIVERSITY & SOCIETY FOR FAILURE ANALYSIS, INDIA from 11-Aug-2012.
19. Attended a International level Short Course on "ENGINEERING MECHANICS" organized by IIT, BOMBAY, INDIA from 26-Nov-2013 to 06-Dec-2013.
20. Attended a National level Short Course on "MANUFACTURING TECHNOLOGY - II" organized by CEG, ANNA UNIVERSITY, INDIA from 08-Dec-2014 to 14-Dec-2014.
21. Attended a National level Short Course on "SAKSHAM - IT CHAMPION TRAINING PROGRAM" organized by MICROSOFT AND SAKSHAM, INDIA from 15-Dec-2014 to 20-Dec-2014.
22. Participated in a National level workshop on "RECENT TRENDS IN MECHATRONICS" organized by DME, ANNA UNIVERSITY & UGC, INDIA from 26-Feb-2015 to 27-Feb-2015.
23. Participated in a National level workshop on "TRENDS IN NON DESTRUCTIVE EVALUATION OF WELDMENTS" organized by DME, ANNA UNIVERSITY, INDIA from 09-Mar-2015 to 10-Mar-2015.
24. Participated in a National level workshop on "CHANGE MANAGEMENT & CAPACITY BUILDING TO IMPROVE QUALITY OF SERVICE" organized by ANNA UNIVERSITY, INDIA from 24-Feb-2016 to 31-Dec-1969.
25. Participated in a National level conference on "FINITE ELEMENT METHOD AND PRACTICAL STRESS ANALYSIS: BENCHMARK AND BEST PRACTICES" organized by NAFEMS INDIA, INDIA from 29-Aug-2016 to 30-Aug-2016.
26. Attended a National level Short Course on "APPLICATIONS OF AUTOCAD 2D & 3D DRAFTING IN ENGINEERING DESIGN" organized by DIRECTORATE GENERAL OF TRAINING, MSDE, INDIA from 03-Jul-2017 to 14-Jul-2017.

## Special Representations

1. ADVISOR in STAFF SELECTION COMMISSION, GOVT.OF.INDIA from 31-Dec-1969 to31-Dec-1969.
2. EXAMINER in TAMILNADU PUBLIC SERVICE COMMISSION, GOVT.OF.TAMILNADU from 31-Dec-1969 to31-Dec-1969.
3. SCRUTINY IN CHARGE in TAMILNADU ENGINEERING ADMISSIONS, GOVT.OF.TAMILNADU from 29-May-2017 to30-Jun-2017.
4. BRIEFING IN CHARGE in TAMILNADU ENGINEERING ADMISSIONS, GOVT.OF.TAMILNADU from 17-Jul-2017 to15-Aug-2017.

## Invited Lectures

1. Delivered a Lecture on "ENGINEERING GRAPHICS" in GUEST LECTURE organized by VELTECH-MULTI TECH, CHENNAI (01-Dec-2012).
2. Delivered a Lecture on "ENGINEERING GRAPHICS" in GUEST LECTURE organized by VELTECH GROUP OF INSTITUTIONS, CHENNAI (29-Dec-2012).
3. Delivered a Lecture on "THEORIES OF FAILURE - STRESS CONCENTRATION" in FDTP organized by SRI VENKATESWARA COLLEGE OF ENGINEERING , SRIPERUMPUDUR (14-Jun-2014).
4. Delivered a Lecture on "ENGINEERING GRAPHICS" in GUEST LECTURE organized by VEL TECH ENGINEERING COLLEGE, Chennai (16-Oct-2014).
5. Delivered a Lecture on "FORCE ANALYSIS AND VIBRATIONS" in GUEST LECTURE organized by INDIRA COLLEGE OF ENGINEERING, THIRUVALLUR (03-Oct-2015).
6. Delivered a Lecture on "ANALYSIS OF TRUSSES" in FDP organized by NITTTR, CHENNAI (16-Mar-2016).
7. Delivered a Lecture on "DESIGN OF MACHINE ELEMENTS" in GUEST LECTURE organized by G.K.M.COLLEGE OF ENGINEERING & TECHNOLOGY, NEW PERUNGALATHUR (21-Jul-2016).
8. Delivered a Lecture on "STRENGTH OF MATERIALS" in GUEST LECTURE organized by LOYOLA INSTITUTE OF TECHNOLOGY, CHENNAI (01-Sep-2016).
9. Delivered a Lecture on "ENGINEERING MECHANICS" in GUEST LECTURE organized by LOYOLA INSTITUTE OF TECHNOLOGY, CHENNAI (30-Jan-2017).
10. Delivered a Lecture on "KINEMATICS OF MACHINERY" in GUEST LECTURE organized by LOYOLA INSTITUTE OF TECHNOLOGY, CHENNAI (03-Feb-2017).
11. Delivered a Lecture on "DYNAMICS OF MACHINERY" in FDP-2017 organized by LOYOLA INSTITUTE OF TECHNOLOGY, PAZHANCHUR, CHENNAI (24-Jun-2017).

12. Delivered a Lecture on "SFD,BMD & DEFLECTION OF BEAMS" in GUEST LECTURE organized by LOYOLA INSTITUTE OF TECHNOLOGY, CHENNAI (22-Jul-2017).
13. Delivered a Lecture on "Teaching Technics in Engineering Mechanics" in Short term course organized by NITTTR Chennai., CHENNAI (13-Mar-2018).
14. Delivered a Lecture on "A REVIEW ON THE DESIGN OF MACHINE COMPONENTS" in GUEST LECTURE organized by HINDUSTAN UNIVERSITY, PADUR (20-Mar-2018).