

FacultyProfile



1. Name :Dr.M.Prabu
2. Designation :Professor&Head
3. E-MailID :prabu1045@gmail.com& hodsfe@ksrce.ac.in
4. Mobile No 9865811566
5. MembershipinProfessionalBodies :MISTE – Life Member
6. ResearchSupervisor :Anna University – Recognized Supervisor
7. AcademicQualification :

| Name of the Degree | Specialization | Year of Passing | Name of the Institution | Name of the University | Class Obtained |
|--------------------|---------------------------|-----------------|---|------------------------|----------------|
| Ph.D | Mechanical Engineering | 2016 | AnnaUniversity | AnnaUniversity | -- |
| M.E | Manufacturing Engineering | 2006 | Annamalai University | Annamalai University | FirstClass |
| B.E | Mechanical Engineering | 2004 | Erode SenguntharEngineeringCollegeErode -57 | Bharathiyar University | FirstClass |

8. AcademicExperience :

| NameoftheCollege | Designation | Dateof Joining | Dateof Reliving | Duration | |
|--|--|----------------|-----------------|----------|-------|
| | | | | Years | Month |
| Sengunthar Engineering College,Tiruchengode. | Assistant Professor | 22.05.2006 | 31.05.2014 | 8-Yrs | -- |
| K.S.R. College of Engineering,Tiruchengode. | 1. Assistant Professor 2. Associate Professor 3. Professor | 02.06.2014 | Till date | 10-Yrs | 2 |

9. PAPERSPUBLISHEDINJOURNALS

| | |
|------------------------------------|-------------|
| No.of Papers Published in Journals | 15 |
| Scopus Author ID | 33068224300 |
| h-Index[As per scopus] | 9 |

| Sl. No. | Title of the Paper | Name of the Journal | Month and Year of Publication | Volume No. | Issue No. | Page No. | ISSN No. |
|---------|--|---|-------------------------------|------------|-----------|-------------|-----------|
| 1 | ELECTRIC DISCHARGE MACHINING OF ALTiB2 COMPOSITES WITH AND WITHOUT GRAPHITE POWDER SUSPENDED DIELECTRIC | ARPN JOURNAL OF ENGINEERING AND APPLIED SCIENCES | OCT 2016 | 11 | 2 | 1242-1244 | 1819-6608 |
| 2 | EFFECT OF MACHINING CHARACTERISTIC OF NOANOTIC MIXED DIELECTRIC FLUIDS ON INCONAL 718 IN THE EDM PROCESS | MATERIAL PRUEFUNG MATERIALS TESTING | JUL 2017 | 59 | 4 | 402-408 | 0025-5300 |
| 3 | DRY SLIDING BEHAVIOUR OF ALUMINIUM ALLOY 8011 WITH 12 PERCENT FLY ASH COMPOSITES | MATERIALS RESEARCH EXPRESS | JUL 2018 | 5 | 5 | 0565-0569 | 2053-1591 |
| 4 | MODELLING OF MACHINING PARAMETERS FOR MRR AND TWR IN EDM CHARACTERISTICSON AL10 WT PERCENT TiB2 COMPOSITES | MATERIALS TESTING | SEP 2019 | 61 | 6 | 559-566 | 0025-5300 |
| 5 | MICROSTRUCTURE AND MECHANICAL PROPERTIES OF FLY ASH PARTICULATE REINFORCED A8011 ALUMINIUM ALLOY COMPOSITES | MATERIALS TESTING | OCT 2018 | 60 | 7 | 765-771 | 0025-5300 |
| 6 | TRIBOLOGICAL BEHAVIOUR OF ALUMINIUM ALLOY 8011 | INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCE | OCT 2019 | 26 | 1 | 43-50 | 0971-4588 |
| 7 | WEAR LOSS OF STIR CAST ALUMINIUM ALLOY 8011 | MATERIALS TODAY PROCEEDING | OCT 2020 | 21 | 0 | 762-765 | 2214-7853 |
| 8 | OPTIMIZATION OF WEAR PARAMETERS FOR ALUMINIUM 4 PERCENT FLY ASH COMPOSITES | INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCE | OCT 2020 | 27 | 2 | 458-464 | 0971-4588 |
| 9 | MULTI RESPONSE OPTIMIZATION OF AA 8081 AND 12 WT FLY ASH COMPOSITES | MATERIALS TESTING | MARCH 2020 | 62 | 5 | 525-533 | 0971-4588 |
| 10 | EXPERIMENTAL INVESTIGATION ON ELECTRICAL MACHINING OF ALTiB2 COMPOSITES | INTERNATIONAL JOURNAL OF APPLIED ENGINEERING RESEARCH | DEC 2014 | 9 | 24 | 28547-28553 | 0973-9769 |
| 11 | ELECTRICAL DISCHARGE MACHINING OF ALTiB2 WITH LOW FREQUENCY VIBRATING TOOL | SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS | FEB 2014 | 21 | 3 | 445-452 | 2191-0359 |
| 12 | EXPERIMENTAL INVESTIGATION OF EFFECT OF GRAPHITE POWDERS SUSPENDED DIELECTRIC IN ELECTRICAL DISCHARGE MACHINING OF ALTiB2 COMPOSITES | JOURNAL OF CHEMICAL AND PHARMACEUTICAL SCIENCE | JUL 2015 | 7 | 0 | 52-54 | 0974-2116 |
| 13 | MICROSTRUCTURE AND MACHINING PROPERTIES OF FLY ASH PARTICULATE REINFORCED A8011 ALUMINIUM ALLOY COMPOSITES | MATERIAL PRUEFUNG MATERIALS TESTING | SEP 2018 | 60 | 44020 | 765-771 | 0025-5300 |
| 14 | DRY SLIDING BEHAVIOUR OF ALUMINIUM ALLOY 8011 COMPOSITES 8 PERCENT FLY ASH | MATERIALS TESTING | OCT 2018 | 60 | 44020 | 777-782 | 0025-5300 |
| 15 | DRY SLIDING BEHAVIOR OF ALUMINIUM ALLOY WITH 4 PERCENT FLY ASH | MATERIALS TESTING | AUG 2018 | 60 | 2 | 209-214 | 0025-5300 |

10. Workshop/Seminar/FDP/Conferenceattended:

| S.No. | Title ofthe Course | Venue | Duration |
|--------------|--|--|--------------------------|
| 1 | Manufacturing Simulation And Optimization | Sengunthar Engineering College, | 27.09.2008 |
| 2 | Technology And Utilization Of Bio Mass Gasification | SSM College of Engineering | 31.10.2008 |
| 3 | Introduction To Finite Element Analysis | Sengunthar Engineering College, | 25.09.2009 |
| 4 | First National Conference on Recent Advance in mechanical Engineering(RAME2009) | M.P.N,M.J Engineering College,Erode | 2009 |
| 5 | National Conference on Recent Trends inmechanicalEngineering(NCRT MECH2009) | Paavai Engineering College,Namakkal, | 2009 |
| 6 | CNCTurningAndMilling | Sengunthar Engineering College | 22.01.2010 to 23.01.2010 |
| 7 | First World Conference On Fracture and Damage Mechanics of Metals(Fracture2014) | Mahatma Gandhi University, Kottayam,Kerala | 2014 |
| 8 | International confidence on Advances in materials and manufacturing(INTCOMM2015) | Hindusthan College ofEngineering andTechnology | 2015 |
| 9 | National Conference on Advances in Mechanical Engineering(NME 2015) | AnnaUniversity Tirunelveli | 2015 |

11. Details of Book[s] Contributions in Book Chapters etc.

| Sl. No. | Publication Type | Title of the Book/Monograph/Book Chapter along with Book Title and Name of the Authors | ISBNNo. | Name of the Publisher | Address of the Publisher | Level(National/International) |
|---------|----------------------------|--|-------------------|---------------------------|---|-------------------------------|
| 1 | BookChapter in Edited Book | EMERGING TRENDS IN MECHANICAL COMPUTING AND ELECTRICAL SCIENCE | 978-81-941281-8-2 | ANVI BOOKS AND PUBLISHERS | ANVI BOOKS AND PUBLISHERS NEW DELHI110053 | National |

12. AWARDSRECEIVED

| Sl.No. | Name of the Award | Awarding Agency | Year of Award | Level(National/International) |
|--------|-------------------|---|---------------|-------------------------------|
| 1 | ACHEIVER | TAMILNADAU CONSUMER AND PEOPLE RIGHTS PROTECTION MOVEMENT | 2023 | National |

13. MEMBERSHIP INPROFESSIONALBODIES

| | | | | |
|---|--|---------------------------|------------|----------|
| 1 | INDIAN SOCIETY FOR TECHNICAL EDUCATION | IITDCAMPUSNEW DELHI110016 | LIFEMEMBER | LM130218 |
|---|--|---------------------------|------------|----------|

14. RESEARCHGUIDANCE

| | | | |
|--------------------------------|----|-------------------------------|---|
| No.of Ph.D.Scholars Registered | 7 | No.of Ph.D.Scholars Graduated | 0 |
| No.of PG Students Guided | 10 | -- | |

15. RESEARCH PROJECTS UNDERTAKEN

| Sl. No. | Title of the Research Project | Name of the Funding Agency /Organization | Start Date | End Date | Role of the Investigator | Santioned Amount(in ₹) | Status of the Project |
|---------|--|--|------------|------------|---------------------------|------------------------|-----------------------|
| 1 | AIR SAMPLING ANDMONITORI NGINANDARO UNDTIRUCHEN GODETOWN | DBT | 2018-01-04 | 2019-12-09 | Co-PrincipalInvesti gator | 800000 | Completed |

16. CONSULTANCY PROJECTS UNDERTAKEN

| Sl. No. | Title of the Consultancy Project | Name of the Funding Agency /Organization | Start Date | End Date | Role of the Consultant | Amount(in₹) | Status of the Project |
|---------|--|--|------------|------------|------------------------|-------------|-----------------------|
| 1 | DESIGN AND MANUFACTURING OF AUTO ANCILLARY PARTS | THIRUMURUGAN INDUSTRIES | 2019-09-09 | 2020-10-01 | Co-Consultant | 106000 | Completed |

17. RESOURCE PERSON (INVITED TALK/SESSION CHAIR etc.)

| Sl. No. | Title of the Invited Talk/Lecture/ Technical Session | Name of the Conference, FDP, Workshop, Seminar etc. | Venue | Start Date | End Date | Date of Presentation /Participation in the event as session chair etc. | Role | Level |
|---------|--|---|--|------------|------------|--|-------------------------------|---------------------------------|
| 1 | LECTURER FOR FDP ON MECHATRONICS ME6702 | FDP ON MECHATRONICS | MAHENDRA ENGINEERING COLLEGE | 2018-06-02 | 2018-06-08 | 2018-06-02 | Invited /Plenary /KeynoteTalk | State/University |
| 2 | TECHNICAL SESSION | INTERNATIONAL CONFERENCE OF SUSTAINABLE MATERIALS | KSR COLLEGE OF ENGINEERING | 2019-03-09 | 2019-03-20 | 2019-03-20 | Chair | International (with In country) |
| 3 | LECTURER | GUST AND DELIVERED LECTURE ON NATURAL COMPOSITE MATERIALS | CHERAN COLLEGE OF ENGINEERING KARUR DISTRICT | 2019-10-15 | 2019-10-15 | 2019-10-15 | Invited /Plenary /KeynoteTalk | State/University |
| 4 | FDP | “NAAC” ACCREDITATION FRAMEWORK AND DOCUMENTATION | KSR COLLEGE OF EDUCATION | 2019-10-14 | 2023-12-21 | 2023-12-19 | Invited /Plenary /KeynoteTalk | National/University |

18. Workshop/Seminar/FDP/Conference Organized:

| S.No. | Name of the Seminar/ Conference organised | Number of Participants | Source of Fund |
|-------|---|------------------------|----------------|
| 1 | International Conference (2019) | 256 | KSREI |
| 2 | International Conference (2024) | 317 | KSREI |
| 3 | National Conference | 122 | College |
| 4 | National Level Students Technical Symposium | 165 | College |

