

CURRICULUM VITAE**Personal Data**

1. **Name** : Dr.L.A.KUMARASWAMIDHAS
 2. **Age & Date of Birth** : 34 years & 21.04.1978
 3. **Present Designation** : Associate Professor
 4. **Department** : Mining Machinery Engineering
 5. **Date of Joining in ISM** : 27.08.2012

**Educational Qualifications:**

| Degree | Name of the Course passed /Main subject | Name of the Board/University | Month & Year passed | Class |
|-------------------|------------------------------------------------|-------------------------------------|--------------------------------|--------------|
| Ph.D. | Mechanical Engineering | Anna University, Chennai-600 025 | 2008 | First Class |
| M.E | Engineering Design | Bharathiar University | 2002 | First Class |
| B.E | Mechanical Engineering | Bharathiar University | 1999 | First Class |
| + Two | First group | State Board | 1995 | First Class |
| 10th Class | - | State Board | 1993 | First Class |

Experience (including present position/employment)

| Designation & scale of pay / Pay Band & G.P. | University/ Institution | Period of Experience | | | Responsibility |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|----------------------------------|--------------------------|
| | | From | To | Total years of experience | |
| (a) | (b) | (c) | (d) | (e) | (f) |
| Associate Professor 37400 - 67000 AGP 9000/- & 42390 AGP 9000/- | Indian School of Mines University (ISMU), Dhanbad-826004 | 27.08.2012 | Till Date | - | Teaching and Research |
| Assistant Professor Rs.15600 -13500 AGP 8000/- & 23830 AGP 8000/- | National Institute of Technology, Tiruchirappalli-620 015 | 08.06.2006 | 24.08.2012 | 6 Years 2 Months 16Days | Teaching and Research |
| Teaching Research Associate & Rs. 9500/- (Consolidated) | Anna University, Chennai – 600 025 | 27.09.2002 | 07.06.2006 | 3 Years 8 Months 10 Days | Teaching and Research |
| Lecturer & Rs. 8000-275-13500 | Bharath Institute of Science and Technology, Selaiyur, Chennai – 600 073 | 27.06.2002 | 26.09.2002 | 3 Months | Teaching |

Teaching, Learning and Evaluation related activities:

Number of subjects taken during the assessment period with the feedback score

1. ME 101 Engineering Mechanics
2. ME 102 Engineering Drawing
2. ME 205 Machine Drawing
3. ME 305 Mechanics of Machines II
4. ME 304 Automobile Engineering
5. ME 459 Dynamics of Machinery
6. ME 631 Analysis and Design of Pressure Vessels
7. ME 653 Vehicle Dynamics

Involvement in Laboratory development

1. ME309Dynamics Laboratory
2. ME314Automobile Engineering Laboratory

Involvement in development of Experiments in the laboratory

1. Introduced – Dismantling and Assembly of IC Engine.
2. Introduced – Free, Forced and Torsional Experiment.

Co-curricular and Professional Development related activities:

Participation in co-curricular activities like NSS, NCC, Sports, Cultural etc.

Field studies:

| S.No. | Organization/ Place | Date |
|-------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| 1. | Accompanied students for participating in BAJA SAE INDIA 2008,2009, 2010 and 2011 held at Indore | 24/01/2008 to 27/01/2008, 27/01/2009 to 04/02/2009 25/01/2010 to 01/02/2010&27/01/2011 to 30/01/2011 |

Industrial visit:

| S.No. | Organization/ Place | Date |
|-------|--------------------------------------------------------------------------------------------------------------------------|------------|
| 1. | Accompanied students for Industrial visit Madras Atomic Power Station (MAPS), Kalpakkam | 06/03/2009 |
| 2. | Accompanied students for Industrial visit Bharat Heavy Electrical Limited(BHEL), Trichy | 24/10/2009 |
| 3. | Accompanied M.Tech Thermal Power Engineering students for Industrial visit Bharat Heavy Electrical Limited(BHEL), Trichy | 04/10/2011 |

Placement activity:

| S.No. | Organization/ Place | Date |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 1. | In BAJA SAE INDIA 2010, Placement activity held at Indore our students participated in the placement. MaddaliVarunSuman final year Mechanical Engineering student got placed in Cummins India Limited, Pune 411 038. | 25/01/2010 to 01/02/2010 |

Participation in academic and administrative committees and responsibilities like class Committee, Staff advisor, Hostel Warden etc.

| <i>S.No.</i> | <i>Organization/ Place</i> | <i>Date</i> |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 1. | I am an Adviser For Energy Club In Vins Christian College of Engineering, Nagercoil. The main function of the club is to create awareness among the rural people about the renewable energy sources and motivate students. | 18/09/2007 |

Students and Staff Related Socio Cultural and Sports Programs:

| <i>S.No.</i> | <i>Organization/ Place</i> | <i>Date</i> |
|--------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 1. | Accompanied students for participating in volley ball and swimming events for Inter NIT Sports event held at NIT Surathkal | 12/12/2008 to 15/12/2008 |
| 2. | Staff adviser for inter Hostel Tournament '09 held at NIT Tiruchirappalli. | 15/02/2009 to 05/03/2009 |
| 3. | Accompanied students for participating in "Saarang 2010" held at IIT Madras, Chennai – 600 025 | 21/01/2010 to 23/01/2010 |
| 4. | Accompanied students for participating in Indian cultural Festival held at Mahabalipuram | 24/01/2010 |

Professional Ethics and Campus Development Activities like Institutional infrastructure projects: Membership in institutional committees

| <i>S.No.</i> | <i>Organization/ Place</i> | <i>Date</i> |
|--------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| 1. | Associate Warden of Agate Hostel, NIT, Trichy | 11/07/2006 to 27/12/2007 |
| 2. | Warden of Garnet A Hostels NIT, Trichy | 15/06/2009 to Till date |
| 3. | One of the active members in tree plantation committee in NIT Campus | 17/08/2009 |
| 4. | Institute furniture purchase Committee Member | Till date |
| 5. | Institute Swimming Pool maintenance Committee Member | Till date |
| 6. | Institute Stock Verification officer for metallurgical and material Science engineering Department, NIT Trichy | 2009-10 |
| 7. | Workshops, organization, food, stalls –committees for "Festember 2009" | 17/09/2009 to 21/09/2009 |
| 8. | One of the returning officer for conduction Office Bearers of students Association election for the academic year 2009 2010 | 31/07/2009 |
| 9. | Nominated as joint Secretary for officers club NITT | From 14 th Feb 2007 |

Participation in seminars, conferences, short-term training courses, lectures delivered etc;

Participation in Conferences

1. Presented paper in International Conference on Mechanical and Industrial Engineering-World Academic of Science, Engineering and Technology, Singapore, during 28th to 30th Sep 2011.
2. Attended International conference on manufacturing technology – Realms Ahead Mantra2007, at BHEL Tiruchirappalli, India, during 12th&13th April 2007.
3. Attended two day course on “Material and Metallurgy for Engineering” at IITM, Chennai on 27th and 28th November 2009.
4. Attended 5th International conference on trends in Industrial Measurements and Automation at NIT Tiruchirappalli on 4th January 2007.
5. Faculty Development program conducted by Accenture and Anna University on “Software Quality” Anna University, Chennai – 600 025 on 25th to 26th August 2006.
6. Faculty Development program on “Re-Engineering Teaching Communication Skills” Anna University, Chennai – 600 025 on 09th to 10th February 2004.

Participation in short term training courses less than one week duration in educational professional development

| <i>S.No.</i> | <i>Title</i> | <i>Organization/Place</i> | <i>Duration</i> |
|--------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------|
| 1. | AICTE-MHRD sponsored shot term courses on “Quantitative Research Techniques for Engineers and Researchers” | Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli – 620 015. | 21th December 2009 to 02th January 2010 |
| 2. | AICTE-MHRD sponsored shot term courses on “Recent Advances in modeling and Simulation of Joining of Materials” | Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli – 620 015 | 29th December 2008 to 10th January 2009 |
| 3. | AICTE-MHRD sponsored shot term courses on “Composite Materials: Processing Challenges and Opportunities” | Department of Production Engineering, National Institute of Technology, Tiruchirappalli – 620 015 | 13th to 24th July 2008 |
| 4. | AICTE sponsored shot term courses on “Recent Trends in Advanced Manufacturing” | Department of Production Engineering, National Institute of Technology, Tiruchirappalli – 620 015 | 18th to 22th March 2008 |
| 5. | TEQIP sponsored nine day workshop on “Workshop on Composite Materials” | Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli – 620 015 | 17th to 25th January 2008 |
| 6. | QIP sponsored shot term courses on “Energy Conservation Measures for Manufacturing and Process Industries” | Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli – 620 015 | 10th to 14th December 2007 |

Participation in Institution governance:

| S.No. | Details |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Faculty Adviser for SAE India Collegiate Club at NIT, Trichy. For the past Four years |
| 2. | Acted as PAC Chairman for I Year M.Tech Industrial Safety Engineering 2007-08 |
| 3. | Acted as PAC Chairman for II Year B.Tech Mechanical Engineering (Odd Sem) 2009-10 |
| 4. | Acted as PG Admission committee member in the year 2007 for M. Tech – Industrial Safety Engineering and Thermal power Engineering at NIT, Trichy. |
| 5. | Assisting the development of Automobile Engineering Laboratory. |
| 6. | Faculty Adviser for M.Tech Safety Engineering I year Students 2011. |

Lectures/and/or chair sessions:

| S.No. | Event & Place | Date |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 1 | Delivered a Lecture on Automobile Engineering on Winter Faculty Development Program in Jeppiaar Engineering College, Jeppiaar Nagar, Old Mamallapuram Road, Chennai – 600 119. | 12.12.2006 |
| 2. | Deliver a Lecture on “Automobile Engineering” in Trichy Engineering College, Konalai, Tiruchirappalli – 621 132. | 26.02.2010 |

Involvement in conducting conferences, seminars, workshops short-term training courses etc.:

| S.No. | Title | Organization/Place | Duration |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------|
| 1. | AICTE-MHRD sponsored Staff Development Programme on “Applied Mechanical Measurements” | NIT, Trichy | 29-06-2009 to 11-07-2009 |
| 2. | TEQIP sponsored one month research training in Laboratory of Automotive engineering, Helsinki University of Technology, Finland under Prof. MattiJuhala | Laboratory of Automotive Engineering, Helsinki University of Technology Finland | 22/05/2008 to 16/06/2008 |
| 3. | AICTE sponsored one month training program undergone at Ashok Leyland product development division | Ashok Leyland, product development division, Chennai | 01/06/2007 to 30/07/2007 |

Workshops / National conference / Seminar / Symposia:

| <i>S.No.</i> | <i>Title</i> | <i>Organization/Place</i> | <i>Duration</i> |
|--------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| 1 | MHRD sponsored Two week workshop on “Thermodynamics and Mechanical Engineering” | IIT Bombay | 14 th -24 th June 2011 |
| 2 | Michelin tyres sponsored Two day workshop on Michelin “Challenge Bibendum” | Michelin tyres, Berlin | 17 th -22 nd May 2011 |
| 3 | TEQIP sponsored Two day workshop on “Computational Fluid Dynamics” | Department of Mathematics, National Institute of Technology, Tiruchirappalli – 620 015 | 17 th to 18 th September 2007 |
| 4 | QIP sponsored shot term courses on “Innovative Mechanical Design” | Indian institute of Technology, Bombay, Mumbai | 15 th to 19 th May 2007 |
| 5 | QIP sponsored shot term courses on “Computer Hardware & Networking Technologies” | National Institute of Technical Teachers Training & Research, Chennai. | 05 th to 09 th March 2007 |
| 6 | QIP sponsored shot term courses on “Instructional Design And Delivery System” | National Institute of Technical Teachers Training & Research, Chennai. | 20 th November 2006 to 02 th December 2006 |
| 7 | QIP sponsored shot term courses on “Advanced Processing of Composite Material” | Indian Institute of technology, Roorkee, Uttaranchal | 24 th to 28 th July 2006 |
| 8 | TEQIP sponsored Two days National seminar on “Electronic Engine Management System” | Madras Institute of Technology, Anna University, Chennai -600 044 | 10 th to 11 th March 2006 |
| 9 | UGC sponsored refresher Course on “Mechatronics” | Madras Institute of Technology, Anna University, Chennai -600 044 | 22 th Nov 2004 to 11 th Dec 2004 |

Membership in Professional bodies like Institute of Engineers:

| <i>S.No.</i> | <i>Organization</i> | <i>Membership</i> | <i>Level</i> |
|--------------|---------------------------------------------------------|-------------------|--------------|
| 1. | The Institution of Engineers (IE India) | Life Member | National |
| 2. | Operation Research Society of India (ORSI) | Life Member | National |
| 3. | National Institution for Quality and Reliability (NIQR) | Life Member | National |
| 4. | Society for Automotive Engineers (SAE INDIA) | Annual Member | National |
| 5. | Indian Society for Technical Education (ISTE) | Life Member | National |
| 6. | Tribology Society of India (TSI) | Life Member | National |
| 7. | Indian Welding Society(IWS) | Life Member | National |
| 8. | Indian Nuclear Society(INS) | Life Member | National |

Research and Academic Contributions:

Research & Development Projects

1. **Project Title:** EXPERIMENTAL INVESTIGATION ON FLOW INDUCED VIBRATION OF ELASTICALLY MOUNTED BLUFF BODIES

Project value: Rs.17, 40,000/-

Project Number and Date: SB/FTP/ETA-389/2012

Sponsoring agency: DST, Govt. of India

Project Coordinator: Dr. L.A.KUMARASWAMIDHAS

Objective: To study the FIV characteristics in different operating conditions (varying Reynolds number for different bluff bodies in multiple arrangements of various aspects)

Status: Ongoing

Research papers published in International Journals

1. Velmurugan, P., **Kumaraswamidhas, L.A** and Sankaranarayananasamy, K. (2011), Whole Body Vibration Analysis for Drivers of Suspended Cabin Tractor Semitrailer. *Experimental Techniques*. doi: 10.1111/j.1747-1567.2011.00786.x. Online ISSN:0732-8818. **SCI**.
2. Velmurugan, P., **Kumaraswamidhas, L. A.** and Sankaranarayananasamy, K. (2011), "Measurement of whole-body vibration exposure from unsuspended cabin tractor semi-trailers". *Human Factors and Ergonomics in Manufacturing & Service Industries*. doi: 10.1002/hfm.20285. Online ISSN: 1090-8471. **SCI**
3. Velmurugan, P., **Kumaraswamidhas, L. A.** and Sankaranarayananasamy, K. (2011), "Investigation on influence of stiffness and hydro-pneumatic suspension for dynamic analysis of a heavy truck using ADAMS simulation". *International journal of Human Factors Modelling and Simulation*, Vol. 2, No. 3, pp 204-221, 2011ISSN (Online): 1742- 5557 - ISSN (Print): 1742-5549.
4. **Kumaraswamidhas, L. A.**, Velmurugan, P and Sankaranarayananasamy, K. (2011), "Optimization of Human Comfort Reaction for Suspended Cabin Tractor Semitrailer Drivers". *World Academy of Science, Engineering and Technology*, Vol -81,158 pp 858-864.pISSN 2010-376X- eISSN 2010-3778.
5. P.Velmurugan, **L.A.Kumaraswamidhas** and K.Sankaranarayananasamy, (2012), "Influence of road surfaces on whole body vibration for suspended cabin tractor semitrailer drivers", *Journal of low frequency noise, vibration and active control*, Vol. 31 No. 2 pp. 75-85. Online ISSN: 0263-0923. **SCI**
6. Aditya Kumar Pandey, **L. A. Kumaraswamidhas** and C. Kathirvelu, (April 2012), "Analysis of flow induced vibration in superheater tube bundles in utility boilers using computational method", *International journal of computational research*, Vol. 2, No. 2 pp. 481-486, ISSN:2250-3005.
7. A.Durairajan , T.Kavitha, A.Rajendran, **L.A Kumaraswamidhas** , 2012. "Design and manufacturing of Nano catalytic converter for pollution control in automobiles for green environment", *Indian Journal of innovation and development*, Vol. 1, No. 5 pp. 314-319, ISSN 2277 – 5390.
8. **L.A. Kumaraswamidhas**, B. Sudharsan, S. Girish Krishna and P. Velmurugan, (2012) "Modelling and simulation of non-linear vibration absorber attached to automotive system", *Int. J. Vehicle Systems Modelling and Testing*, Vol. 7, No. 4, pp. 390-404, ISSN: 1745-6436.
9. Durairajan.A, Suresh.M, T.Kavitha, **Kumaraswamidhas L.A.** (2012), "Advanced Heat Transfer Enhancement Using Nano Fluids- An Overview", *International Journal of Mechanical and Production Engineering Research and Development*, Vol.2, pp. 5-20 ISSN 2249-6890. **Impact Factor : 3.21**
10. R. K. Upadhyay, **L.A. Kumaraswamidhas**, Md. S. Azam, 2012, "Rolling Element Bearing Failure Analysis- A Case Study", *Case Studies in Engineering Failure Analysis*, doi: 10.1016/j.csefa.2012.11.003.

11. R. K. Upadhyay, **L.A. Kumaraswamidhas**, 2013 “Condition Based Monitoring of Ch₄15w40 Engine Oil by FTIR, And Analytical Ferrography”, *International Journal of Mechanical & Production Engineering Research and Development*, Vol.3, issue 1, pp.1-8 ISSN 2249-6890. **Impact Factor : 3.21**
12. Velmurugan, P., **Kumaraswamidhas, L. A.** and Sankaranarayananamy, K. (2012), “Optimization of whole body vibration analysis for suspended cabin tractor semitrailer”. *International Journal of Vehicle Noise and Vibration*, Vol 8 No.2, pp 152-165. ISSN (Online): 1479-148X - ISSN (Print): 1479-1471.

Research papers published in National Journals

1. P.R. Thyla, **L.A.Kumaraswamidhas** and Dr. R. Rudramoorthy,(2003) “Optimization of operating conditions in Worm Gear Box using Taguchi’s Orthogonal Array”, *Industrial Engineering Journal*, , pp 14 – 21. ISSN: 0970 - 2555.
2. **L.A.Kumaraswamidhas** and P. Mannar Jawahar,(2005) “Computer Simulation of Lateral Stability Analysis of a Railway Vehicle with Conventional Wheel-Set”, *Journal of Engineering And Technology*, Vol. 3, , pp 36 - 45. ISSN: 0973- 2632.

Research papers published in Conferences

1. Senthil Kumar .T, Dharmaraja.V and **L.A.Kumaraswamidhas**, December 27 – 30, 2002 “Optimization of Process Parameters Affecting Oil Temperature in Worm Gear Box Using Taguchi Technique”, *International conference on operational research for Development*, pp 99 -104.
2. M. Prem Jayakumar and **L.A.Kumaraswamidhas**, 10th and 11th February 2003 “Vehicle Dynamics and Vehicle Stability”, *Conference on “Vehicle Dynamics (NSVD 2003)*, College of Engineering Andhra University, Andhra Pradesh.
3. M.Sundaravadivel, **L.A. Kumaraswamidhas** and P. MannarJawahar, 15th and 16th April 2005, “Sensitivity Analysis On Railway Vehicle Stability Using MATLAB”, *National Conference on Globally Competitive Eco-Friendly Technologies in Mechanical and Mechatronics Engineering (GETME – 2005)*, Kongu Engineering College, Erode.
4. **L.A.Kumaraswamidhas** and Carter Clemency sam J.C, 15th and 16thApril 2005 “Statistical Investigation of Process Parameters Affecting Oil Temperature In Worm Gear Box Using Minitab”, *National Conference on Globally Competitive Eco-Friendly Technologies in Mechanical and Mechatronics Engineering (GETME – 2005)*, Kongu Engineering College, Erode.
5. **L.A. Kumaraswamidhas** and P. MannarJawahar, 27 to 29 July 2006 “Mathematical Modeling and Computer Simulation of Lateral Stability and Parameter Sensitivity of a Railway Vehicle”, *Proceedings of the International Conference on Global Manufacturing and Innovation (GMI 2006)*, Coimbatore Institute of Technology , Coimbatore.
6. **L.A. Kumaraswamidhas** and P. MannarJawahar, 1 to 4 August 2006, “Modeling and Simulation of Lateral Stability Analysis of a Railway Vehicle with Conventional Wheel-Set”, *The Third Asian Conference on Multibody Dynamics 2006 (ACMD 2006)*, Sophia University, Chiyoda-ku , Tokyo, JAPAN.
7. P.K.Ezhil Kumar **L.A.Kumaraswamidhas** and C.G. Saravanan, 27th and 28th Dec 2007, “Emission Control in Diesel Engine Using Ethanol Emulsion”, *National conference on Energy Efficiency: the Environmental Solution (EEES'07)* National Institute of Technology, Tiruchirappalli, during, pp 33 – 42.
8. P.Velmurugan, **L.A.Kumaraswamidhas** and K.Sankaranarayananamy, June 06-08, 2011 “Investigation on Influence of Speed for Ride Comfort Analysis in Unsuspended Cabin Tractor Semitrailer”, *Proc. of the 5th International Conference on Advances in Mechanical Engineering(ICAME-2011)*, pp 671 - 675 , S.V. National Institute of Technology, Surat, India.
9. P.Velmurugan, **L.A.Kumaraswamidhas** and K.Sankaranarayananamy, August 1 to 3, 2011 “Optimization of human comfort to vibration in unsuspended cabin tractor semitrailer”, *1st International Conference In South Asia on “Global*

Manufacturing Systems & Management” (ICGMSM - 2011), pp 277 - 286, Coimbatore Institute of Technology, Coimbatore, India.

10. Aditya Kumar Pandey, **L.A.Kumaraswamidhas**, C.Kathirvelu and S.P.Sivapirakasam, 17th and 18th Feb 2012 “Flow induced Vibration in Superheater Tube Bundles in Utility Boilers using Computational Method”, *National Conference on “Advanced materials and Processing Technologies -2012 PRIST UNIVERSITY, Thanjavur.*

Patent:

1. “SURGE SUPPORTER (An Alternative Power Supply System for an Automobile)”, Application No.2409/CHE/2012 dated 18/06/2012, filed with Patent Office Chennai.

Books

Consultant Board Reviewer for Machine Design by Dr U. C Jindal.

Administrative Experience

| S.No. | Position or role | Duration | Major initiatives and impacts | Remarks |
|-------|---------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------|---------|
| 1. | Warden/ Amber Hostel | 01.06 2013 to till date | | |
| 2. | Faculty adviser of Final year B. Tech MME students | 29.07.2013 to till date | | |
| 3. | Co-coordinator M.Tech Mining Machinery Engineering program | 29.07.2013 to till date | | |
| 4. | In charge of training and placement for B.Tech Mining Machinery Engineering and M.Tech Mining Machinery Engineering | 29.07.2013 to till Date | | |
| 5. | Teacher in charge for CONCETO 13. | 2013 | | |
| 6. | Laboratory In charge for fluid flow machines | 29.07.2013 to till date | | |
| 7. | Active Member for Five Weeks Intensive Training Programme for Management Trainees(E&M) of CIL | 05.08.2013 to 06.09.2013 | | |

M.Tech and M.S Guidance:

| S.No | Roll No | NAME | TITLE | DEGREE | Year |
|------|-----------|---------------------|---------------------------------------------------------------------------------------------------------------|--------|------|
| 1 | 311909004 | ADITYA KUMAR PANDEY | Analysis of Flow Induced Vibration in 2 nd pass of coal fired boilers, with computational methods. | M.S | 2012 |
| 2 | 311911001 | M.ELAMPARUTHI | Fatigue Life Evaluation of Super Critical Boiler Components Based on ASME and EN Codes using ANSYS | M.S | 2012 |
| 3 | 211309032 | SK.RAHAMAN BASHA | Analysis Of Flow-Induced Vibration In An Elastically Mounted Circular Cylinder Using CFD | M.Tech | 2011 |
| 4 | 211308012 | J. RAGHU | Numerical analysis of flow induced vibration in an elastically mounted circular cylinder | M.Tech | 2008 |
| 5 | MEA0612 | HASAN SHAIK | Stress analysis of Flex plate | M.Tech | 2007 |
| 6 | MEA0505 | P.SAMPATH KUMAR | Determination of stress distribution in Non- Circular Pipe Bends | M.Tech | 2007 |

| | | | | | |
|---|-----------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------|------|
| 7 | 200255206 | M.MUTHUKUMAR | Design and analysis of startup system components of super critical boilers using computational methods. | M.Tech | 2006 |
| 8 | 200355302 | K.SUBRAMANIAN | Design and optimization of spiral to vertical wall transition & support components for once through boiler using computational methods. | M.Tech | 2006 |

PhD Guidance:

| <i>S.No</i> | <i>Roll No</i> | <i>Name</i> | <i>Title</i> | <i>Year</i> |
|-------------|----------------|----------------------|-----------------------------------------------------------------------------------------------------------------|--------------|
| 1 | 411108053 | P.VELMURUGAN | Mathematical Modeling and Experimental analysis of Tractor Semi Trailer Vehicle for Improving the Ride Comfort. | 2009-2012 |
| 2 | 2012DR0162 | R K UPADHYAY | Tribology | 2012-Ongoing |
| 3 | 2013DR0082 | K.KARTHIK SELVAKUMAR | Flow Induced Vibration | 2013-ongoing |

Lectures/and/or chair sessions

| <i>S.No.</i> | <i>Event & Place</i> | <i>Date</i> |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 1 | Delivered a Lecture on Automobile Engineering on Winter Faculty Development Program in Jeppiaar Engineering College, Jeppiaar Nagar, Old Mamallapuram Road, Chennai – 600 119. | 12.12.2006 |
| 2. | Deliver a Lecture on “Automobile Engineering” in Trichy Engineering College, Konalai, Tiruchirappalli – 621 132. | 26.02.2010 |

Awards / Honours:

- ✓ VikasRathanShiromani Award - Society of Friendship and National Unity 2005.
- ✓ International Gold Star Award - Society of Friendship and National Unity 2006.
- ✓ Mother Teresa Excellence Award – Integrated council for Socio-Economic Progress 2010.

Candidate's Name & Address for Correspondence:

| | <i>Mailing Address</i> | <i>Permanent Address</i> | <i>Office Address</i> |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Name</i> | Dr. L. A. KUMARASWAMIDHAS | Dr. L. A. KUMARASWAMIDHAS | Dr. L. A. KUMARASWAMIDHAS, |
| <i>Address with pin code</i> | Associate Professor Department of Mining Machinery Engineering, Indian School of Mines (ISM), Dhanbad-826004 Jharkhand | 4/13, Dr. M. J. Moses Street, Pomappa Nadar Nagar, Nagercoil – 629 004. KaniyaKumari District Tamil Nadu | Associate Professor Department of Mechanical Engineering & Mining Machinery Engineering, Indian School of Mines (ISM), Dhanbad-826004 Jharkhand |
| <i>Email:</i> | lakdhas 1978@ gmail.com | lakdhas 1978@ gmail.com | Swamidhas.lak.memme@ismdhanba |

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