

## CURRICULUM VITAE

**Dr.B.Kumaragurubaran**

**Assistant Professor (Sr.Gr)**

**Department of Mechanical Engineering**

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➤ **Research Area:**

- **Automotive Materials**
- **Manufacturing Engineering**

➤ **Educational Qualifications:**

<b>Qualification</b>	<b>College/University</b>	<b>Year of completion</b>	<b>Percentage</b>	<b>Class</b>
Ph.D. (Automobile Technology)	Bharathidasan University	2015		Commended
M.E(Manufacturing Engineering)	Annamalai University	2005	8.43 (CGPA)	(FWD)-First Class With Distinction
B.E(Mechanical Engineering)	Madras University	2003	70.00%	FC - First Class

**Experience:** (chronological order)

<b>Name of Company / Institutions</b>	<b>Designation of Post</b>	<b>From</b>	<b>To</b>	<b>Experience in Year</b>
UCE, BIT Campus , Tiruchirappalli	Assistant Professor(Sr.Gr)	30.06.2015	Till date	8Y 2M 10D
UCE, BIT Campus , Tiruchirappalli	Assistant Professor	01-08-2012	29.06.2015	2Y 9M 29D
Anna University _ BIT Campus Tiruchirappalli	Assistant Professor	19-08-2009	31-07-2012	2Y 11M 13D
Anna University _ BIT Campus Tiruchirappalli	Lecturer	06-09-2008	18-08-2009	11M 12D
Anna University _ BIT Campus Tiruchirappalli	Lecturer	01-06-2007	05-09-2008	1Y 3M 6D
BIT Campus Bharathidasan University Tiruchirappalli	Guest Lecturer	03-07-2006	30-04-2007	9M 28D
BIT Campus Bharathidasan University Tiruchirappalli	Guest Lecturer	13-09-2005	30-04-2006	7M 17D

➤ **Awards / Honours Received:**

Sl.No	Name of the Awards & Honours	Achievement	Organization	Year
1.	Appreciation for Poster Presentation	Appreciation(SAE International Aerospace Manufacturing Technology Committee South Carolina USA)	SAE International Conference on Aerospace Manufacturing and Automated Fastening	16-18 September 2008
2.	BEST PAPER AWARD (Performance and Emission Evaluation of LPG Diesel Dual Fuel in Multi Cylinder Engine)	FIRST PRIZE	National Conference on Recent Trends in Civil & Mechanical Engineering Anna University of Technology Tiruchirappalli	8 <sup>th</sup> & 9 <sup>th</sup> April 2011
3.	Best Regional Coordinator Award (Anna University Tiruchirappalli Region)	Motivated NSS activities in Anna University Tiruchirappalli Region	Anna University Chennai	2014-2015
4.	Best Regional Coordinator Award (Anna University Tiruchirappalli Region)	Motivated NSS activities in Anna University Tiruchirappalli Region	Anna University Chennai	2016 - 2017
5.	Best Regional Coordinator Award (Anna University Tiruchirappalli Region)	Motivated NSS activities in Anna University Tiruchirappalli Region	Anna University Chennai	2017 - 2018
6.	Best Regional Coordinator Award (Anna University Tiruchirappalli Region)	Motivated NSS activities in Anna University Tiruchirappalli Region	Anna University Chennai	2018 - 2019
7.	Best Regional Coordinator Award (Anna University Tiruchirappalli Region)	Motivated NSS activities in Anna University Tiruchirappalli Region	Anna University Chennai	2019 -2020
8.	Yoga for National Integration and Save Environment Programme  (Global Records Certificate GRRF(GR/GA/1039)	3501 Participants Performed Surya Namaskar, Standing Tree Posture and Formed India Map	Global Records & Research Foundation	01.02.2020
9.	Best Regional Coordinator Award (Anna University Tiruchirappalli Region)	Motivated NSS activities in Anna University Tiruchirappalli Region	Anna University Chennai	2021 -2022

➤ **Additional / Academic Responsibilities at University:**

1. Serving as a Regional Coordinator (Tiruchirappalli Region), National Service Scheme, Red Ribbon Club, Youth Red Cross (NSS, RRC, YRC) Anna University Chennai, (December 2014 – Till Date).
2. Serving as Coordinator Part time Courses, from (04.12.2020 – Till Date).
3. Serving as Co-Coordinator (Establishment of Skill and Personality Development Centre for SC/ST Students) from (11.02.2021 to Till Date).
4. Serving as a Department Coordinator, Part-time courses (UG&PG)(June 2010 – Till Date).

5. Served as a Anti Ragging committee Member (2012 – Till Date).
6. Serving as a Department Sports Coordinator (2010 – Till Date).
7. Worked as a NCC care taker (2014).
8. Worked as Deputy Warden, BIT Campus, Anna University, Tiruchirappalli during (2012 to 2014).

➤ **Membership of Scientific and Professional Societies:**

SL.NO	SOCIETY NAME	CERTIFICATE NO
1	Indian Welding Society (IWS) Life Member	Membership No:L00710
2	Indian Society for Technical Education(ISTE) Life Member	Membership No:LM112969

➤ **Completed PG/UG Projects:**

- a. Number of PG Projects Completed: 47 Nos
- b. Number of UG Project Completed: 61 batches

➤ **Research Guidance (M.S/Ph.D.) (Completed):**

Sl. No	Name of the scholar	Title of the thesis	Year of registration	Date of viva voce
1.	J.S. David Joseph	SYNTHESIS CHARACTERIZATION AND ANALYSIS OF AlMg0.5Si COMPOSITES BY POWDER METALLURGY	2017	18.11.2020
2.	Ashok Raj R	INVESTIGATION IN TO TRIBOLOGICAL AND CORROSION BEHAVIOR OF Al7075 BASED HYBRID COMPOSITES	2014	20.07.2021
3.	Suderson K	INVESTIGATION ON MECHANICAL AND THERMAL PROPERTIES OF NATURAL FIBERS REINFORCED HYBRID COMPOSITES	2016	18.03.2022

➤ **Research Guidance (M.S/Ph.D.) (Ongoing):**

Sl. No	Name of the scholar	Tentative Title of the thesis	Year of registration	Status
1.	Vengatesh P	Development of Engine Componentets Using Plasma Sprayed Lanthanum Zirconate Based Thermal Barrier Coatings on the Performance and Emission Characteristics of I.C Engine	2018	Course Work Completed
2.	Mathivanan B	Evaluation of Engine Performance and Emission Characteristics of Lanthanum Zirconate Based Thermal Barrier Coatings of S.I Engine	2020	Course Work Completed

➤ **Publications:**

**a. Books / book chapters:**

1.	Kinematics of Machinery (Tamil- Version)	T.Senthil kumar B.Kumaragurubaran	University Publications,Anna University of Technology, Tiruchirappalli, March- 2011
2.	Mechanics of machines (Text Book)	T.Senthil kumar B.Kumaragurubaran	Shanlax publications Madurai. ISBN 938068654-4
3.	International conference proceedings (TEQIP-II) on Sustainable Energy systems and energy management	T.Senthil kumar P.Gopal M.Chandrasekar B.Kumaragurubaran	Shanlax Publications Madurai. ISBN 978-93-860686- 03-5
4.	International conference proceedings (TEQIP-II) On Energy efficient technologies forAutomobiles (Special edition of Journal of Chemical and pharmaceutical Sciences )	T.Senthil kumar M.Chandrasekar B.Kumaragurubaran P.Gopal	ISSN 0974-2115Special edition of Journal of Chemical and pharmaceutical Sciences 20 <sup>th</sup> -21 <sup>st</sup> March 2015
5.	National conference proceedings(TEQIP-II)On Advancements and futuristic in Mechanical Engineering	T.Senthil kumar M.Chandrasekar B.KumaragurubaranP.Gopal	Research publish house 978-81-254-0267-1
6.	National conference proceedings Recent trends in Civil and Mechanical Engineering	T.Senthil kumar M.Chandrasekar B.Kumaragurubaran P.Gopal	Research publish house 978-81-251-032-8
7.	Nationalconference proceedings(TEQIP-II)On Innovation in Engineering Design	T.Senthil kumar M.Chandrasekar B.KumaragurubaranP.Gopal	Research publish house 978-81-921-1286-2
8.	TEQIP II & CSIR Sponsored International Conference on Energy and Environmental Systems (ICEES'17)	T.Senthil kumar P.Gopal S.Evany Nithya B.KumaragurubaranM.Chandrasekar G.Venkatesan	ISBN-978-81-933-6340- 9
9.	Advances In Mechanical Engineering	T.Senthil kumar M.Chandrasekar B.KumaragurubaranP.GopalPon.Azhagi ri	E-ISSN: 2456-5075
10.	Microstructure and Mechanical properties of Al7075 and Al7075 based Hybrid Metal Matrix Composites by additive manufacturing	Ashok raj R, Pavendhan R, Kumaragurubaran B	Mechanical Properties and Characterization of Additively Manufactured MaterialsCRC Press (Taylor & Francis Group) ISBN:9781003430186

## **b. International Journals:**

1. SudersonKrishnaPillai,KumaragurubaranBalasubramanian,BensamRaj Jesuretnam (2022). Experimental Investigation on Thermal Behavior of Indian Almond – Veli Karuvelam Hybrid Composites. Journal of Natural Fibers, 19 (15), 11962-11973 <https://doi.org/10.1080/15440478.2022.2048939> IF:3.507
2. Madhaiyan Rajasekaran,Thannir Pandal Palayam Kandasamy Kannan,Balasubramanian Kumaragurubaran,Raman Mohan (2022).Experimental study on heat transfer performance of variable area straight fin heat sinks with PCM. Thermal Science, 26 (2A), 983-989 <https://doi.org/10.2298/TSCI201013299M> IF: 1.971
3. SudersonKrishnaPillai,KumaragurubaranBalasubramanian,BensamRaj Jesuretnam (2021). Experimental Investigation on the Mechanical and Moisture Absorption Behavior of Indian Almond – Veli Karuvelam Hybrid Composites. Journal of Natural Fibers, 19 (14), 8702-8713 <https://doi.org/10.1080/15440478.2021.1966571> IF:3.507
4. R Ashok Raj,R Pavendhan,BKumaragurubaran (2020). Investigation in to Tribological Behaviour of AL7075 and AL7075 Hybrid Composites. Transactions of FAMENA, 44(2), 83-94 <https://doi.org/10.21278/TOF.44208> IF:1.198
5. J. S. David Joseph,B. Kumaragurubaran,S. Sathish (2020). Effect of MoS<sub>2</sub> on the Wear Behavior of Aluminium (AlMg<sub>0.5</sub>Si) Composite. Silicon, 12(6), 1481-1489 <https://doi.org/10.1007/s12633-019-00238-x> IF: 2.941
6. Nethaji Perumal A , Dr.B.Kumaragurubaran , Dr.T.Senthilkumar (2018). Optimization of Cutting Parameters in CNC Turning of AISI 304 & AISI 316 Stainless Steel. International Journal of Trend in Scientific Research and Development, 2(4), 955-959 <https://doi.org/10.31142/ijtsrd14185> IF: 8.125
7. K. Saravanan ,Pon. Azhagiri, Dr. T. Senthilkumar, Dr.B.Kumaragurubaran (2018). Performance and Emission Characteristics of Pyrolysed Fuel In direct Injection Diesel Engine. International Journal of Advance Research, Ideas and Innovations in Technology,4(3),1647-1649 <https://www.ijariit.com/V4I3-1785> IF: 5.79
8. M.Chandrasekar ,T.Senthilkumar, B.Kumaragurubaran, J. Peter Fernandes (2018). Experimental investigation on a solar dryer integrated with condenser unit of split air conditioner (A/C) for enhancing drying rate. Renewable Energy, 122(3), 375-381 <https://doi.org/10.1016/j.renene.2018.01.109> IF: 8.634
9. R.Ravichandran, T.SenthilKumar, B. Kumaragurubaran (2017). Performance and Emission Characteristics of CI Engine by Varying Injection Pressure & Timing Using Rice Bran Oil Biodiesel Blends. International Research Journal of Advanced Engineering and Science, 2(2), 286-289 <https://irjaes.com/2020/10/IRJAES-V2N2P232Y17> IF:7.321
10. B.Suresh , Pon.Azhagiri,T.Senthil Kumar ,B.Kumarakurubaran (2016). Experimental Investigation on Surface Roughnessand Material Removal Rate during Turning of EN8 Steel. International Journal of Emerging Technologies in Engineering Research, 4(6), 142-154 <https://www.ijeter.everscience.org/Manuscripts/Volume-4/Issue-6/Vol-4-issue-6-M-32> IF: 0.546
11. V.Vijayan, Dr.T.Senthil Kumar ,C.Saravanan, Dr.B.Kumaragurubaran (2016). Indentation of creep testing on P92 Material. International Journal of Advanced Multidisciplinary Research, 3(6), 68-74 <http://s-o-i.org/1.15/ijarm-2016-3-6-10> IF:5.320

12. R. D. Kesavan ,Dr.B.Kumaragurubaran,Dr. T.Senthil Kumar ,K. Ganesh Kumar (2016). Influence of heat input variation using cold wire on performance of inverted type submerged arc welding process – IS 2062 carbon steel. International Journal of Advanced Multidisciplinary Research, 3(6), 39-50 <http://s-o-i.org/1.15/ijarm-2016-3-6-7> IF:5.320
13. S.Marimuthu ,Dr.B.Kumaragurubaran, Dr.T.SenthilKumar ,K.Ganesh Kumar (2016). Estimation of Energy Distribution in Inverted type Submerged Arc Welding Process through Flux Consumption of IS 2062 Carbon Steel. International Journal of Advanced Multidisciplinary Research, 3(6), 51-60 <http://s-o-i.org/1.15/ijarm-2016-3-6-8> IF:5.320
14. A. Saravanakumar ,T. Senthil Kumar, B. Kumaragurubaran (2016). Investigation of Mechanical and Microstructural Properties of Friction Stir Welded Aluminium Alloy 6063. International Journal of Innovative Research in Technology, 3(1), 26-37 <https://www.ijirt.org/IJIRT143696> IF:7.376
15. G.Vijayakumar, G. Mahadevan, T. Senthil Kumar, B. Kumaragurubaran (2016). Effect of Thermo Mechanical Analysis of GMAW by Using SA 387(Grade 12) Pressure Vessel Material. International Journal of Innovative Research in Science, Engineering and Technology, 5(5), 8869-8876 DOI:10.15680/IJIRSET.2016.0505323 IF: 8.423
16. T. Shyju ,C . Saravanan,Dr. T. Senthil Kumar, Dr.B.Kumaragurubaran (2016). Static Analysis of Tube to Header Weld Joint Configurations. International Journal of Engineering Research & Technology, 5(5),440-446 <https://www.ijert.org/research/IJERTV5IS050631> IF:---
17. A.Godwin Antony ,Dr. T.Senthil Kumar ,Dr.B.Kumaragurubaran (2016). Performance Evaluation of a down draft Gasifier using Agricultural Waste Biomass. International Journal of Innovative Research in Science, Engineering and Technology, 5(5), 8659-8667 DOI:10.15680/IJIRSET.2016.0505262 IF: 8.423
18. Manickavasaham G, Sivakumar P, Dr Senthilkumar T,Dr Kumaragurubaran B (2016). Experimental Investigation and Process Parameter Optimization on En353 with PCBN Inserts. International Journal of Engineering Research & Technology, 5(5), 84-90 <https://www.ijert.org/research/IJERTV5IS050240> IF:---
19. S.SyedAbuthahir Dr.T.ParameshwaranPillaiDr.T.SenthilKumar Dr.B.Kumaraguru (2016). Experimental Investigation and Analysis of GFRP by CNC Milling Process. International Journal of Engineering Science and Computing, 6(6), 6757-6761 <https://ijesc.org> IF:5.611
20. S.SyedAbuthahir Dr.T.ParameshwaranPillaiDr.T.SenthilKumar Dr.B.Kumaraguru (2016). Experimental Investigation and Analysis of Incoloy 825 Alloy Process parameter using Taguchi Method. International Journal of Engineering Science and Computing, 6(6), 6745-6751 <https://ijesc.org> IF:5.611
21. Thulasiram.S,Dr.Gopal.P, Dr.Senthil kumar.T ,Dr.Kumaragurubaran.B(2016). Process Optimization and Experimental Investigation on the Performance of VCR Engine Fuelled With Mahua Fatty Acid Methyl Ester and its Blends. International Journal of Engineering Science and Computing, 6(6), 6433-6438 <https://ijesc.org> IF:5.611
22. D.Vinothkumar,P.Sivakumar,Dr.B.kumaragurubaran, Dr.T.Senthilkumar (2016). Experimental Investigation of Process Parameters in EDM for Incoloy 600 Using Taguchi-GRA. International Journal of Engineering Science and Computing, 6(6), 6202-6206 <https://ijesc.org> IF:5.611
23. S.Sankara Narayanan ,Dr.B.Kumaragurubaran, Dr.T.Senthil Kumar, N.Ganesh (2016). Experimental Investigation on Multi Pass Drilling of GFRP Using Fuzzy Inference System. International Journal of Innovative Research in Science Engineering and Technology, 5(4), 6353-6365 DOI: 10.9790/1684-1303023948 IF: 8.423

24. Joseph Arun Prasath.V.P, Dr. Navaneetha Krishnan.P, Dr. Senthil Kumar.T, Dr. Kumaragurubaran.B (2016). Design of Parabolic Solar Concentrators and Their Performance Comparison. International Journal for Research & Development in Technology, 5(5), 296-300 <https://www.ijrdt.org> IF:6.88
25. B.Kumaragurubaran P.Gopal, V.Deepakaravind, T. Senthilkumar (2015). Experimental analysis of the wear behaviour of reinforced hybrid LM25 metal matrix nano composite. Journal of optoelectronics and advanced materials, 17(11-12), 1794-1798 <https://joam.inoe.ro/articles> IF:0.5
26. P.Gopal, B.Kumaragurubaran, V.Deepakaravind (2015). Investigation of density, micro hardness and structural analysis of reinforced hybrid LM25 metal matrix nano composite. Journal of optoelectronics and advanced materials, 17(3-4), 389-394 <https://joam.inoe.ro/articles> IF: 0.5
27. S. Raghuraman, B. Kumaragurubaran, T. Senthilkumar and M. Chandrasekar (2013). Investigation of thermal barrier coatings On piston crown to improving The SI engine performance. International J. of Engg. Research & Indu. Appls, 6(2), 143-155 <http://www.ascent-journals.com/IJERIA> IF:0.5
28. Karuppasamy K., Mageshkumar M.P., Manikandan T.N., Naga Arjun J., Senthilkumar T., Kumaragurubaran B., Chandrasekar M. (2013). The Effect of Thermal Barrier Coatings on Diesel Engine Performance. ARPN Journal of Science and Technology, 3(4), 382-385 <https://www.arpnjournals.org> IF:0.252
29. A.Selvaganapathy, A.Sundar, B.Kumaragurubaran, P.Gopal (2013). An Experimental Investigation to study the effects of various Nano Particles with Diesel on Di Diesel Engine. ARPN Journal of Science and Technology, 3(1), 112-115 <https://www.arpnjournals.org> IF:0.252
30. B.Kumaragurubaran, T.Parthipa Saravana Kumar, T.Senthil Kumar, M. Chandrasekar (2013). Optimizing the Plasma Spray Process Parameters of Yttria Stabilized Coatings on Aluminum Alloy Using Response Surface Methodology. International Journal of Engineering and Advanced Technology, 2(5), 379-384 <https://www.ijeat.org> IF:1.03
31. J. Rajesekaran, B.M. Gnanasekaran, T. Senthilkumar, B. Kumaragurubaran, M. Chandrasekar (2013). Effect of thermal barrier coating for the improvement of SI engine performance & emission characteristics. International Journal of Research in Engineering and Technology, 2(7), 113-119 <https://ijret.org/> IF: 2.73
32. B Kumaragurubaran, P Gopal, T Senthil kumar, M Prasanna Mugunthan, N H Mohamed Ibrahim (2013). optimization of turning parameters of EN-9 steel using design of experiments concepts. International Journal of Mechanical Engineering and Robotics Research, 2(3), 182-190 <http://www.ijmerr.com> IF:1.8
33. T. Senthilkumar, B. Kumaragurubaran, M. Chandrasekar, B.M. Gnanasekaran, J. Rajesekaran (2013). Combined Effects of Thermal Barrier Coating and Blending With Diesel Fuel on Usability of Waste Plastic Oil in Diesel Engines. International Journal of Innovations in Engineering and Technology, <https://www.ijiet.com> IF:0.672

34. K.Velayutham, U.Arumugam, B.Kumaragurubaran, P.Gopal (2013). Analysis of Corrosion Prevention Methods in Railway Coaches and Bogies. International Journal of Engineering and Advanced Technology,2(5), 372-376 <https://www.ijeat.org> IF:1.03
35. A.Sathyavathi, M.R.Rajaraman, B.Kumaragurubaran, P.Gopal (2013). Optimization of Cutting Parameters on Surface Roughness Using CNC Turning. International Journal of Engineering and Advanced Technology,3(2), 460-465 <https://www.ijeat.org> IF:1.03
36. K.Velayutham, U.Arumugam, B.Kumaragurubaran, P.Gopal(2013). Evaluation of the Anti-corrosive Coating on Railway Bogie Components. International Journal of Engineering and Advanced Technology,3(2), 01-07 <https://www.ijeat.org> IF:1.03
37. L.Maria Irudaya Raj, Sathishkumar.J, B.Kumaragurubaran, P.Gopal(2013). Analysis of Hard Chromium Coating Defects and its Prevention Methods. International Journal of Engineering and Advanced Technology,2(5), 427-432 <https://www.ijeat.org> IF:1.03
38. Senthilkumar T and Kumara Gurubaran B (2012). Evaluation of engine performance and Emission characteristics of zirconia Coated piston surface in SI engine. Journal of Environmental Research And Development, 7(1A), 523-529 <http://www.jerad.org> IF:0453
39. P. Gopal, T. Senthil Kumar and B. Kumaragurubaran (2009). Analysis of Flow Through The Exhaust Manifold of aMulti Cylinder Petrol Engine for ImprovedVolumetric Efficiency. International Journal of Dynamics of Fluids, 5(1), 15-26, <https://www.ripublication.com> IF:1.443
40. B.Kumaragurubaran, T.Senthilkumar, K.Shanmugam and V.Balasubramanian (2008). Pitting corrosion behaviors of shielded metal arc welded ferritic stainless steel. Journal of environmental research and development, 2(4B), 766-772, <https://www.ijet.com> IF:0.672
41. D.Saravanan, B.Kumaragurubaran (2008). Reconfigurable Wireless Interface for Networking Sensors. International Journal of computer science and Network security, 8(7), 270-276, <http://ijcsns.org> IF: 1.5
42. B.Kumaragurubaran, T.Senthilkumar, M.Vivekanandan and V. Balasubramanian (2008). Effect of shielding gas on weld metal properties in flux cored arc welding. SAE International, <https://doi.org/10.4271/2008-01-2285> IF:0.638
43. B.kumaragurubaran, M.Vivekanadan, B.M.Gnanasekaran, S.Nishanthini(2008). Recent Development of Fuel Cell as an Alternate Fuel. Material science Research India,5(2), 339-346 <https://www.materialsciencejournal.org> IF: 0.565
44. P.Gopal,M.Kalaivanan, B.Kumaragurubaran, M.Vivekanandan(2008). A view of the future of diesel engine to control emission by using fuel additives and external heater. Journal of Environmental Research and Development, 3(2), 531-535 <http://www.jerad.org> IF:0453
45. M.Vivekanandan, G.Sridharan, B.Kumaragurubaran, P.Gopal, P.Navaneetha Krishnan(2008). Appropriation of Bio Diesel Blends in Diesel Engine. Current World Environment, 3(2), 245-250 <https://www.cwejournal.org> IF:0.7



**c. National Journals:**

Sl.No.	Title of the paper	Authors	Name and volume of the Journal and year	Page No.	
				From	To
1	Reduction of reflection losses in solar panel by using bn antireflective coating	S.Alagu vaithianathan B.Kumaragurubaran	Journal of Chemical and Pharmaceutical Sciences Special Issue :6 (ISSN 0974-2115) March 2015	187	189
2	Optimization and analysis of CU-W tool in edm process by using composite materials	J.S.David joesph B.Kumaragurubaran T.Senthilkumar	Journal of Chemical and Pharmaceutical Sciences Special Issue :6 (ISSN 0974	190	194
3	Investigation of Mechanical properties on nano alumina and nano silicon carbide in reinforced hybrid lm25 composite	V.Deepak aravind B.Kumaragurubaran B.Selvam T.Senthilkumar	Journal of Chemical and Pharmaceutical Sciences Special Issue :6 (ISSN 0974	195	198
4	Experimental study to compare the suitable fin among tapered and cylindrical fins	Boobalakrishnan.G B.Kumaragurubaran	Journal of Chemical and Pharmaceutical Sciences Special Issue :6 (ISSN 0974	262	263
5	Comparison of workability strain and stress parameters of magnesium powder metallurgy reinforced with graphite and titanium carbide during cold upsetting composite material	P.Pradeep B.Kumaragurubaran S.Kamatachisankaran	Journal of Chemical and Pharmaceutical Sciences Special Issue :6 (ISSN 0974	267	272
6	Optimization of process parameters in edm of inconel 718 by using robust design	R.Sankaradoss B.Kumaragurubaran	Journal of Chemical and Pharmaceutical Sciences Special Issue :6 (ISSN 0974	316	319

➤ **List of FDP organized:**

1. Anna University Chennai – CFD Sponsored Faculty Development Training Programme on “Automotive Pollution and Control” Department of Automobile Engineering, University College of Engineering, BIT Campus, Tiruchirappalli, 01<sup>st</sup> -8<sup>th</sup> June 2016.
2. TEQIP II sponsored Staff Development Programme on “Numerical Methods and Statistical Tools in Engineering (NMSTE’16)” Department of Automobile Engineering, University College of Engineering, BIT Campus, Tiruchirappalli, 09<sup>th</sup> – 22<sup>nd</sup> June 2016.

3. TEQIP II sponsored Staff Development Programme on “Advanced Manufacturing Methods and Materials(AMMM’16)” Department of Mechanical Engineering, University College of Engineering, BIT Campus, Tiruchirappalli, 23<sup>rd</sup> June - 06 th July 2016.
4. TEQIP II & SPFU Tamilnadu Sponsored Faculty Development Programme on Research Methodology Department of Mechanical Engineering ,University College of Engineering, BIT Campus, Tiruchirappalli, 30-31 March 2017.
5. Anna University Chennai – CFD Sponsored Faculty Development Training Programme on “ME8594 –Dynamics of Machines” Department of Mechanical Engineering, University College of Engineering, BIT Campus, Tiruchirappalli, 06 th -11<sup>th</sup> May 2019.
6. AICTE Sponsored Six Days Online STTP on Finite Element Analysis using ANSYS (FEAAS’20) Department of Mechanical Engineering, University College of Engineering, BIT Campus, Tiruchirappalli, Slot II 30 th Novemeber -05<sup>th</sup> Decemeber 2020.

➤ **List of Seminar / Short Term Course / Workshop organized:**

1	TEQIP II Sponsored Seminar on Recent Scenario in Automotive Technology (RSAT’13)	Two Days 21.10.2013to 22.10.2013	Department of Automobile Engineering,BIT Campus, AnnaUniversity, Tiruchirappalli	Co-ordinators B.Kumaragurubaran A.Sangeet Sahaya Jeyangel
2	TEQIP II Sponsored Technical Symposium on CANDENTIA’14	Two Days 21.03.2014to22. 03.2014	Department of Mechanical Engineering,BIT Campus, AnnaUniversity, Tiruchirappalli	Co-ordinators B.Kumaragurubaran G.Mahadevan
3	One Day Orientation Programme for NSS PROGRAMME OFFICERS and NSS VOLUNTEERS (for Trichy Region)	One Day 30.11.2015	Regional Office, BIT Campus, Anna University, Tiruchirappalli	Co-ordinator B.Kumaragurubaran
4	TEQIP II Sponsored One week value added course on Ansys & Computational Fluid Dynamics (Fluent)	One Weeks 07-09-2015 to 13-09-2015	Department of Automobile Engineering,BIT Campus, AnnaUniversity, Tiruchirappalli	Co-ordinators B.Kumaragurubaran Pon.Azhagiri Dr.P.Gopal
5	TEQIP II Sponsored two days Workshop on Automotive Materials (AUTOMAT’16)	Two Days 18.02.2016 to 19.02.2016	Department of Automobile Engineering,BIT Campus, AnnaUniversity, Tiruchirappalli	Co-ordinators B.Kumaragurubaran Pon.Azhagiri Dr.P.Gopal
6	TEQIP II Sponsored Technical Symposium on CANDENTIA’16	Two Days 2.03.2016to03.0 3.2016	Department of Mechanical Engineering,BIT Campus, AnnaUniversity, Tiruchirappalli	Co-ordinators B.Kumaragurubaran P.Gopal A.Arun mani
7	TEQIP II Sponsored two days Workshop on Materials Characterization for High Temperature Applications” (MCHTA’ 16)	Two Days 8.03.2016 to 9.03.2016	Department of Mechanical Engineering,BIT Campus, AnnaUniversity, Tiruchirappalli	Co-ordinators M.Chandrasekar B.Kumaragurubaran P.Gopal

8	TEQIP II Sponsored Technical Symposium on AUTOPIA'16	Two Days 10.03.2016 to 11.03.2016	Department of Automobile Engineering,BIT Campus, AnnaUniversity, Tiruchirappalli	Co-ordinators B.Kumaragurubaran Pon.Azhagiri Dr.P.Gopal
9	TEQIP II Sponsored Technical Seminar on Latest trends in Automotive Technology (LTAT '16)	Two Days 18.04.2016 to 19.04.2016	Department of Automobile Engineering,BIT Campus, AnnaUniversity, Tiruchirappalli	Co-ordinators Dr.P.Gopal B.Kumaragurubaran
10	TEQIP II Sponsored Technical Seminar on Emerging trends in Manufacturing Systems (ETMS'16)	Two Days 18.04.2016 to 19.04.2016	Department of Mechanical Engineering,BIT Campus, AnnaUniversity, Tiruchirappalli	Co-ordinators B.Kumaragurubaran Dr.P.Gopal
11	TEQIP II Sponsored One week value added course on Modern Manufacturing Methods	One Weeks 23-07-2016 to 29-07-2016	Department of Mechanical Engineering, BIT Campus, Anna University, Tiruchirappalli	Co-ordinators G.Mahadevan B.Kumaragurubaran Dr.P.Gopal
12	TEQIP II Sponsored Three Days Orientation Programme For First Year Students	Three Days 01.08.2016 to 03.08.2016	Department of Automobile & Mechanical Engineering, BIT Campus, Anna University, Tiruchirappalli	Co-ordinators Dr.P.Gopal B.Kumaragurubaran Pon.Azhagiri
13	TEQIP II National level Workshop on Automobile Mechanics	Two Days 22.09.2016 to 23.09.2016	Department of Automobile Engineering, BIT Campus, Anna University, Tiruchirappalli	Co-ordinators P.Gopal B.Kumaragurubaran Pon.Azhagiri
14	TEQIP II National level Workshop on Non Destructive Testing (NDT)	Two Days 29.09.2016 to 30.09.2016	Department of Mechanical Engineering, BIT Campus, Anna University, Tiruchirappalli	Co-ordinators B.Kumaragurubaran P.Gopal Pon.Azhagiri
15	TEQIP II Sponsored One week value added course on Basics and Advances of MAT Lab	One Weeks 22-09-2016 to 28-09-2016	Department of Automobile Engineering, BIT Campus, Anna University, Tiruchirappalli	Co-ordinators Pon.Azhagiri P.Gopal B.Kumaragurubaran
16	One Day Orientation Programme for NSS PROGRAMME OFFICERS (for Trichy Region)	One Day 15.10.2016	Regional Office, BIT Campus, Anna University, Tiruchirappalli	Co-ordinator B.Kumaragurubaran
17	TEQIP II Sponsored Five Days value added course on Computer Aided Design & Drafting and Anlysis	Five Days 02.02.2017 to 06.02.2017	Department of Mechanical Engineering, BIT Campus, Anna University, Tiruchirappalli	Co-ordinators B.Kumaragurubaran P.Gopal Pon.Azhagiri
18	TEQIP II Sponsored Five Days value added course on Finite element methods in Automobile Engineering	Five Days 14.02.2017 to 18.02.2017	Department of Automobile Engineering, BIT Campus, Anna University, Tiruchirappalli	Co-ordinators Pon.Azhagiri P.Gopal B.Kumaragurubaran

19	TEQIP II Sponsored Three Days International Conference on Energy and Environmental Systems (ICEES'17)	Three Days 10.03.2017 to 12.03.2017	Department of Mechanical Engineering & Civil Engineering, BIT Campus, Anna University, Tiruchirappalli	Treasurer B.Kumaragurubaran
20	Quiz on Metals & Materials	06.08.2017	University College of Engineering BIT Campus Tiruchirappalli	Local Coordinator
21	One Day Orientation Programme for NSS PROGRAMME OFFICERS and NSS VOLUNTEERS (for Trichy, Tirunelveli & Madurai Region)	One Day 16.09.2017	Regional Office, BIT Campus, Anna University, Tiruchirappalli	Co-ordinator B.Kumaragurubaran
22	Orientation Programmed & PFMS training for NSS Programme Officers (for Trichy, Tirunelveli & Madurai Region)	One Day 16.10.2018	Regional Office, BIT Campus, Anna University, Tiruchirappalli	Co-ordinator B.Kumaragurubaran Dr.Jeyanthi Dr.Josephpaulraj
23	One Day Orientation Programme for RRC PROGRAMME OFFICERS and VOLUNTEERS (for Trichy, Region)	One Day 23.03.2018	Regional Office, BIT Campus, Anna University, Tiruchirappalli	Co-ordinator B.Kumaragurubaran
24	National Integration Camp-2018 (Ministry of Youth Affairs & sports)	10.12.2018 – 16.12.2018	Alagappa Chettiar Government College of Engineering & Technology, Karaikudi	Organizer
25	State Youth Parliament 2019	5.02.2019 – 06.02.2019	Vivekananda Auditorium Anna University Chennai	Jury Member
26	Quiz on Metals & Materials	18.08.2019	University College of Engineering BIT Campus Tiruchirappalli	Local Coordinator
27	One Day Workshop on Writing Science, Engineering and Technology in Tamil (Trichy Region)	One Day 23.10.2019	Sponsored by Centre For Development of Tamil in Engineering and Technology Organized by BIT Campus, Anna University, Tiruchirappalli	Local Co-ordinator B.Kumaragurubaran
28	Five Days Training Programme on FEA using ANSYS	Five Days 19.02.2020 – 23.02.2020	Sponsored by AU-FRG Institute For CAD/CAM (UGC XII plan-General Development Assistance Scheme-Extension Activities and Outreach Program) Organized by BIT Campus, Anna University, Tiruchirappalli	Local Co-ordinators B.Kumaragurubaran P.Navaneethkrishnan
29	One Day Orientation Programme for NSS Programme officers (Tiruchirappalli, Tirunelveli, Madurai Regions)	27.02.2020	Regional Office, BIT Campus, Anna University, Tiruchirappalli	Co-ordinator B.Kumaragurubaran Dr.Jeyanthi Dr.Josephpaulraj

➤ **List of Seminar / Short Term Course /FDP/ Workshop attended:**

1. Workshop (2006), “Automotive Electronics “, organized by Department of Mechatronics Engineering, K.S.Rangasamy College of Technology Tiruchengode – 637209, during 22<sup>nd</sup> to 23<sup>rd</sup> September 2006. (2 Days)
2. Workshop (2007), “Recent Trends in Advance Vehicle Technologies “, organized by SAE Collegiate Club, K.S.Rangasamy College of Technology Tiruchengode – 637209, during 17<sup>th</sup> March 2007. (1 Day)
3. Workshop (2007), “Finite Element Analysis “, organized by Department of Mechanical Engineering, Sudharsan College of Engineering Sathiyamangalam – 622 501, during 24<sup>th</sup> March 2007. (1 Day)
4. Workshop (2007), “Automotive Materials “, organized by Faculty of Engineering & Technology Annamalai University, Chidambaram, during 07<sup>th</sup> April 2007. (1 Day)
5. Faculty Development Programme (2007), “Electronic Engine Management system “, organized by Bharathidasan University (BIT Campus) Sponsored by AICTE during 04<sup>th</sup> to 16<sup>th</sup> June 2007. (13 Days)
6. Workshop (2009), “The Art of Teaching and Training of Engineering Graphics “, organized by Department of Computer Science Engineering, Pavendar Bharathidasan College of Engineering & Technology, Tiruchirappalli, during 19<sup>th</sup> September 2009. (1 Day)
7. Short Term Course (2010), “Theory and Practice of Lean and Agile Systems”, organized by Department of Production Engineering, National Institute of Technology, Tiruchirappalli, during 12<sup>th</sup> to 16<sup>th</sup> July 2010. (5 Days)
8. Workshop (2010), “Recent trends in Welding technology (Tamil)”, organized by Department of Mechanical Engineering, Anna University of Technology, Tiruchirappalli, during 29<sup>th</sup> September 2010. (1 Day)
9. Seminar (2011), “Sustainable Energy for Green Environment “, organized by Star Lion College of Engineering & Technology Sponsored by ministry of New and renewable Energy (MNRE),Thanjavur, during 29<sup>th</sup> to 30<sup>th</sup> April 2011. (2 Days)
10. Workshop (2012), “Welding of Steels”, organized by Faculty of Engineering & Technology Annamalai University, Chidambaram, during 12<sup>th</sup> to 13<sup>th</sup> October 2012. (2 Days)
11. Faculty Development Programme (2012), “Heat and Mass Transfer”, organized by Department of Mechanical Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 17<sup>th</sup> to 24<sup>th</sup> December 2012. (7 Days)
12. Faculty Development Programme (2013), “Introduction to Research Methodology”, organized by Centre of Continuing Education, IIT Madras during 30<sup>th</sup> to 31<sup>st</sup> August 2013. (2 Days)
13. Faculty Development Programme (2013), TEQIP II “Research Avenues in Welding Technology“, organized by Department of Mechanical Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 22<sup>nd</sup> August to 30<sup>th</sup> August 2013. (7 Days)

14. Faculty Development Programme (2013), TEQIP II “Latest advanced technology and task in automobile engineering “, organized by Department of Automobile Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 18<sup>th</sup> December to 26<sup>th</sup> December 2013. (7 Days)
15. Faculty Development Programme (2014), “Engineering Thermodynamics “, organized by Department of Mechanical Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 24<sup>th</sup> June to 1<sup>st</sup> July 2014. (7 Days)
16. Workshop (2014) “Future trends in Powder metallurgy” organized by Department of Materials Science and Metallurgical Engineering, India Institute of Technology Hyderabad during 1<sup>st</sup> to 2<sup>nd</sup> December 2014.(2Days)
17. Faculty Development Programme (2015), “Advanced Manufacturing Process for Automobiles”, organized by Department of Automobile Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 20<sup>th</sup> May to 02<sup>nd</sup> June 2015. (14 Days)
18. Faculty Development Programme (2015), “AT 2401 – Engine & Vehicle Management Systems”, organized by Department of Automobile Engineering, MIT Campus, Anna University Chennai during 08<sup>th</sup> to 14<sup>th</sup> June 2015. (7 Days)
19. Faculty Development Programme (2015), “Thermal engineering Applications for Sustainable improvement”, organized by Department of Mechanical Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 15<sup>th</sup> to 28<sup>th</sup> June 2015. (14 Days)
20. Faculty Development Programme (2015), “Renewable Energy in Indian Power sector”, organized by Department of Electrical and Electronics Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 21<sup>st</sup> to 27<sup>th</sup> September 2015. (7 Days)
21. Workshop (2016) “Automotive Materials (AUTOMAT’16)” organized by Department of Automobile Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 18<sup>th</sup> to 19<sup>th</sup> February 2016. (2 Days)
22. Faculty Development Programme (2016), “Numerical Methods and Statistical Tools in Engineering”, organized by Department of Automobile Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 09<sup>th</sup> to 22<sup>nd</sup> June 2016. (14 Days)
23. Faculty Development Programme (2016), “Advanced Manufacturing Methods and Materials”, organized by Department of Mechanical Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 22<sup>nd</sup> June 2016 to 06<sup>th</sup> July 2016. (14 Days)
24. Faculty Development Programme (NSS Programme officers) (2017), “National Service Scheme Emapanelled Training Institution –Orientation Course”, organized by Madras School of Social Works Chennai- (Regional Centre –Anna University- Tiruchirappalli) during 08<sup>th</sup> to 14<sup>th</sup> June 2017. (7 Days)
25. Faculty Development Programme (2017), “AT 6604 – Vehicle Dynamics”, organized by Department of Automobile Engineering, University College of Engineering, BIT Campus, Tiruchirappalli during 04<sup>th</sup> to 10<sup>th</sup> December 2017. (7 Days)
26. Training Programme (2018), “PFMS-EAT Module” organized by Institute of Government Accounts & Finanace, Government of India, Chennai during 13<sup>th</sup> February 2018.(1 Day)

27. Workshop (2019), “National level workshop on NIRF India Ranking” organized by IQAC Marian College Kuttikkanam (Autonomous) in association with IAE, Hyderabad during 21<sup>st</sup> November 2019
28. Faculty Development Programme (2020), “ICT Tools for Teaching, Learning Process and Institute” organized by Electronics and ICT Academics in Association with Ministry of Electronics and Information Technology (MEITY), Government of India during 10<sup>th</sup> -21<sup>st</sup> August 2020.
29. STTP(2020), “Finite Element Analysis Using ANSYS (FEAAS’20)” organized by Department of Mechanical Engineering, University College of Engineering, BIT Campus, Tiruchirappalli and Sponsored by AICTE during 23<sup>rd</sup> – 28<sup>th</sup> November 2020 (Slot-I).
30. FDP (2021), “Inculcating Universal Human Values in Technical Education” organized by AICTE, Government of India, during 20<sup>th</sup> December to 24<sup>th</sup> December 2021.
31. Industrial Training (2021), “Mechanical Engineering Applications in Telecom Industry” organized by Bharat Sanchar Nigam Limited, during 23<sup>rd</sup> June to 13<sup>th</sup> July 2021.
32. Webinar (2020). “21st Century Opportunities challenges and pathways to Industry 4.0” organized by Indian Welding Society (IWS) on 16.07.2020.
33. Webinar (2020). “A Vision towards materials and manufacturing” organized by KPR Institute of Technology Coimbatore, during 20<sup>th</sup> July to 25<sup>th</sup> July 2020.
34. Webinar (2020). “Envision towards particle sciences and biodiesel production” organized by KPR Institute of Technology Coimbatore, during 27<sup>th</sup> July to 28<sup>th</sup> July 2020.
35. Webinar (2020). “Cold metal transfer welding and its allied processes” organized by Sri Venkateshwara College of Engineering Chennai, during 31<sup>st</sup> July to 2<sup>nd</sup> August 2020.
36. Induction Programme (2023). “Online Induction Training/Orientation Programme for Faculty in Universities/ Colleges/Institutions of Higher Education” organized by PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING MINISTRY OF EDUCATION/Teaching Learning Centre Ramanujan College University of Delhi during 22<sup>nd</sup> March to 20<sup>th</sup> April 2023.

➤ **National / International Conferences organized :**

1	TEQIP II Sponsored National Conference on Advancements and Futuristic Trends in Mechanical Engineering AFTME 2014	Two Days 21.04.2014 to 2.04.2014	Department of Mechanical Engineering, BIT Campus, Anna University, Tiruchirappalli	Co-ordinators B.Kumaragurubaran D.Mala
2	TEQIP II Sponsored International Conference on Energy efficient technologies for Automobiles EETA-2015	Two Days 20.03.2015 to 1.03.2015	Department of Automobile Engineering, BIT Campus, Anna University, Tiruchirappalli	Co-ordinators B.Kumaragurubaran M.Chandrasekar

3	TEQIP II Sponsored International Conference on Sustainable Energy Systems And Energy Management SESEM'2015	Two Days 04.06.2015 to 05.06.2015	Department of Mechanical Engineering, BIT Campus, AnnaUniversity, Tiruchirappalli	Co-ordinators P.Gopal M.Chandrasekar B.Kumaragurubaran
4	TEQIP II Sponsored National Conference on Advances in Mechanical and Energy Engineering NCAME'16	Two Days 01.09.2016 to 02.09.2016	Department of Mechanical Engineering, BIT Campus, Anna University, Tiruchirappalli	Co-ordinators B.Kumaragurubaran P.Gopal M.Chandrasekar Pon.Azhagiri
5	TEQIP II Sponsored National Conference on Engineering Design and analysis	Two Days 02.09.2016 to 03.09.2016	Department of Automobile Engineering, BIT Campus, Anna University, Tiruchirappalli	Co-ordinators P.Gopal Pon.Azhagiri B.KumaragurubaranM.Chandr asekar
6	TEQIP II Sponsored Three Days International Conference on Energy and Environmental Systems (ICEES'17)	Three Days 10.03.2017 to 12.03.2017	Department of Mechanical Engineering & Civil Engineering, BIT Campus, Anna University, Tiruchirappalli	Treasurer B.Kumaragurubaran
7	34 <sup>th</sup> National Convention of Production Engineers 2019 and National Seminar on "Emerging Technologies in Power Sector Equipment Manufacturing"	25.05.2019 – 26.05.2019	National Institute of Technology Tiruchirappalli	Member Technical Committee

➤ **National / International Conferences Participated :**

1. International Welding Symposium (2005), "International Welding Symposium IWS-2k5", organized by Indian Welding Society (IWS), at Hyderabad, During 18<sup>th</sup> to 20<sup>th</sup> February 2005. (3 Days)
2. International Conference (2007), "International Conference on Advanced Communication Systems ICACS – 2007", organized by Department of Electronics and Communication Engineering GCT,Coimbatore 10<sup>th</sup> to 12<sup>th</sup> January 2007. (3 Days)
3. International Welding Symposium (2008), "Welding Symposium IWS-2k8", organized by Indian Welding Society (IWS), at New Delhi, During 13<sup>th</sup> to 15<sup>th</sup> February 2008. (3 Days)
4. International Symposium (2008), "Symposium on Joining of Materials SOJOM 2008", organized by Indian Welding Society (IWS), at Tiruchirappalli, During 11<sup>th</sup> to 13<sup>th</sup> December 2008. (3 Days)
5. International Conference (2013), "International Conference on Sustainable Approaches for Green Computing, Economy and Environment (SAGCEE13)", organized by V.M.K.V Engineering College (Vinayga missions University) 9<sup>th</sup> to 11<sup>th</sup> December 2013. (3 Days)



6. International Conference (2015), “TEQIP II Sponsored International Conference on Energy efficient technologies for Automobiles EETA-2015”, organized by Department of Automobile Engineering, BIT Campus, Anna University 20<sup>th</sup> to 21<sup>st</sup> March 2015. (2 Days)
7. International Conference (2015), “TEQIP II Sponsored International Conference on Sustainable Energy Systems and Energy Management SESEM '2015”, organized by Department of Automobile Engineering, BIT Campus, Anna University, Tiruchirappalli 4<sup>th</sup> to 6<sup>th</sup> June 2015. (2 Days)
8. International congress (2017), “International congress on Renaissance in Sports Strategies, Challenges and Choices”, organized by Research Department of physical Education & Sports Sciences National College (Autonomous) Tiruchirappalli 10<sup>th</sup> to 11<sup>th</sup> February 2017. (2 Days)
9. International Conference (2017), “TEQIP II Sponsored Three Days International Conference on Energy and Environmental Systems (ICEES'17)”, organized by Department of Mechanical Engineering & Civil Engineering, BIT Campus, Anna University, Tiruchirappalli 10<sup>th</sup> to 12<sup>th</sup> March 2017. (2 Days)

➤ **Professional Activities:**

1. Member, 2018 to till date, Board of studies of Automobile Technology Programme, DDU-Kaushal Centre, Institute for entrepreneurship and career development, Bharathidasan University.
2. Member, Affiliation inspection committee (Anna University).
3. Question Paper Setter & evaluator (2017) (Aavin Recruiting Processes).
4. Member to inspect for condemned vehicle and fix the face values for selling the vehicle in public auction. (Bharathidasan University Tiruchirappalli).

**Reviewer**

1. Reviewer in International Journal of Manufacturing Technology and Management (IJMTM- Inder science)
2. Reviewer in Journal of Thermal Analysis and Calorimetry (Springer)

**(B) Guest lectures delivered:**

**Invited Lectures**

1. Expert Lecture (2019), Anna University Chennai – CFD Sponsored Faculty Development Training Programme on “ME8594 –Dynamics of Machines” Department of Mechanical Engineering, University College of Engineering, BIT Campus, Tiruchirappalli, 06<sup>th</sup> -11<sup>th</sup> May 2019.
2. Expert Lecture (2020), “Do’s and Don’ts COVID-19 Post Lockdown effectively” organized by NSS, Arasu Engineering College, Kumbakonam, during 01<sup>st</sup> June 2020

**Chief Guest**

- Chief Guest (2020), “National Level Yoga Competition 2020” organized by Arasu Engineering College, Kumbakonam, during 01<sup>st</sup> February 2020.

- Chief Guest (2018), “National Level Yoga Competition 2018” organized by Arasu Engineering College, Kumbakonam, during 19<sup>th</sup> June 2018.
- Chief Guest (2017), “NSS Inaugural Function” Organized by Mother Teresa College of Engineering & Technology, Pudukottai, During 19<sup>th</sup> August 2017.
- Chief Guest (2017), “Personality Development Through Social Activities” organized by J.J.College of Engineering & Technology, Tiruchirappalli, during 06<sup>th</sup> October 2017.
- Chief Guest (2017), “NSS Day Celebrations” organized by Mookambigai College of Engineering, Tiruchirappalli, during 25<sup>th</sup> September 2017.
- Chief Guest (2017), “NSS Day Celebrations” organized by Roever Engineering College, Perambalur, during 22<sup>nd</sup> September 2017.
- Chief Guest (2017), “NSS Special Camp Inauguration” organized by Shivani Engineering College, Tiruchirappalli, during 22<sup>nd</sup> February 2017.
- Chief Guest (2016), “NSS Unit Inauguration” organized by Shivani Engineering College, Tiruchirappalli, during 26<sup>th</sup> September 2016.
- Chief Guest (2016), “NSS Unit Inauguration” organized by Meenakshi Ramasamy Engineering College, Thatanur, during 09<sup>th</sup> September 2016.
- Chief Guest (2016), “NSS Special Camp Inauguration” organized by Pavendar Bharathidasan College of Engineering & Technology, Tiruchirappalli, during 14<sup>th</sup> March 2016.