

CURRICULUM VITAE

Dr.B.Kumaragurubaran

Assistant Professor (Sr.Gr)

Department of Mechanical Engineering

UCE - BIT Campus, Tiruchirappalli 620 024

Contact no: 91-9443882060

Mail. ID: guru17381@gmail.com,bkumaragurubaran@aubit.edu.in



➤ **Research Area:**

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

➤ **Educational Qualifications:**

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

Experience: (chronological order)

Name of Company / Institutions	Designation of Post	From	To	Experience in Year
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 th & 9 th 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
10.	Best Regional Coordinator Award (Anna University Tiruchirappalli Region)	Motivated NSS activities in Anna University Tiruchirappalli Region	Anna University Chennai	2022 -2023

➤ **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 – 2024).
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
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1.	Vengatesh P	Development of Engine Componentes 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 Characterisitcs of Lanthanum Zirconate Coated C.I Engine Fueled with Nannochloropsis Algae Added with Tin Oxide Nanoparticles	2020	Synopsis Submitted
3.	Santhosh Kumar G	Investigation on Thermal and Mechanical Properties Analysis of Natural Fiber Reinforced in Hybrid Polymer Composites	2023	Course Work Completed
4.	Sathiyarasu.V	Synthesis, Characterization and Mechanical Behaviour of Aluminium Alloy Lm6 Reinforced With GNPS, Al ₂ O ₃ and Molybdenum Disulfide Nano Composites	2024	Course Work

➤ **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 th -21 st 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.Azhagiri	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

a. International Journals:

1. **Mathivanan, B**, Kumaragurubaran, B, Bensam Raj, J & Veerasigamani, M 2024, 'Performance, combustion and emissions characteristics of lanthanum zirconate coated DI engine fueled with nannochloropsis algae bio-diesel containing tin oxide nanoparticles', Petroleum Science and Technology, doi: <https://doi.org/10.1080/10916466.2024.2391996>, **Impact Factor: 1.3**
2. 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
3. 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
4. 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
5. 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
6. J. S. David Joseph,B. Kumaragurubaran,S. Sathish (2020). Effect of MoS2 on the Wear Behavior of Aluminium (AlMg0.5Si) Composite. Silicon, 12(6), 1481-1489 <https://doi.org/10.1007/s12633-019-00238-x> IF: 2.941
7. 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
8. 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

9. 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
10. 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
11. B.Suresh , Pon.Azhagiri,T.Senthil Kumar ,B.Kumarakurubaran (2016). Experimental Investigation on Surface Roughness and 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
12. 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
13. 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
14. 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
15. 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
16. 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/IJRSET.2016.0505323 IF: 8.423
17. 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:---
18. 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/IJRSET.2016.0505262 IF: 8.423
19. 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

20. 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
21. 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
22. 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
23. 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
24. 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
25. JosephArunPrasath.V.P,Dr.NavaneethaKrishnan.P,Dr.SenthilKumar.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> IF6.88
26. 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
27. 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
28. 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
29. 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
30. 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.

31. B.Kumaragurubaran, T.ParthipaSaravanaKumar, 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
32. 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
33. 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
34. 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
35. 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
36. 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
37. 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
38. 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
39. 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
40. 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
41. 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.ijiet.com> IF:0.672

42. 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
43. 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
44. 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
45. 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
46. 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

b. 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 Im25 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	Boobalakashnan.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.Kamatathisankaran	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

c. International Conferences:

S.No.	Title of the Paper	Authors	Details of the conference	Page No.	
				From	To
1	piston coating for improving the SI engine performance	B.Kumaragurubaran,T.Senthilkumar, N.Yuvaraj, S.Iyappan, B.M.Gnanasekaran	International Conference on Recent advances In material processing technology at National Engineering College,Kovilpatti, during 25-27 February 2009 ISBN 978-81-904334-1-9	690	695
2	Evaluation of Zirconia Coating on piston surface analysis the emission characteristics	S.Sawminathan, B.Kumaragurubaran,T.Senthilkumar, M.Tamilarsan, A.Sethuraman	International Conference on Recent advances In material processing technology at National Engineering College, Kovilpatti, during 25-27 February 2009 ISBN 978-81-904334-1-9	685	689
3	Reduction of reflection losses in solar panel by using bn antireflective coating	S.Alaguvaithianathan B.Kumaragurubaran	International conference on Energy efficient technologies for automobiles at BIT Campus, Anna University,Tiruchirappalli,during 20-21March 2015,ISSN 0974-2115	187	189
4	Optimization and analysis of CU-W tool in edm process by using composite materials	J.S.David joesph B.Kumaragurubaran T.Senthilkumar	International conference on Energy efficient technologies for automobiles at BIT Campus, Anna University,Tiruchirappalli,during 20-21March 2015,ISSN 0974-2115	190	194

5	Investigation of Mechanical properties on nano alumina and nano silicon carbide in reinforced hybrid Im25 composite	V.Deepak aravind B.Kumaragurubaran B.Selvam T.Senthilkumar	International conference on Energy efficient technologies for automobiles at BIT Campus, Anna University, Tiruchirappalli, during 20-21 March 2015, ISSN 0974-2115	195	198
6	Experimental study to compare the suitable fin among tapered and cylindrical fins	Boobalakrishnan..G B.Kumaragurubaran	International conference on Energy efficient technologies for automobiles at BIT Campus, Anna University, Tiruchirappalli, during 20-21 March 2015, ISSN 0974-2115	262	263
7	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.Kamatachisankarn	International conference on Energy efficient technologies for automobiles at BIT Campus, Anna University, Tiruchirappalli, during 20-21 March 2015, ISSN 0974-2115	267	272
8	Optimization of process parameters in edm of inconel 718 by using robust design	R.Sankaradoss B.Kumaragurubaran	International conference on Energy efficient technologies for automobiles at BIT Campus, Anna University, Tiruchirappalli, during 20-21 March 2015, ISSN 0974-2115	316	319
9	Effect of Ytria Stabilized Zirconia (YSZ) Coating On Piston Crown of the SI Engine	B.Kumaragurubaran T.Senthilkumar V.Balasubramanian M.Chandrasekar	International Welding Symposium-2012 at Bombay convention & Exhibition Centre, Mumbai, during October-30, November-01 2012, organized by Indian Welding Society(IWS)	JCA-80(1)	JCA-80(6)
10	Heat Transfer Analysis Through Fin Array By Using Forced Convection	Arunkumar K Kumaragurubaran.B Senthil Kumar.T	TEQIP II Sponsored International Conference on Sustainable Energy Systems And Energy Management SESEM'2015, Department of Mechanical Engineering, BIT Campus, During 04-05 June 2015	33	37
11	Reduction of reflection losses in solar panel by using TiO ₂ anti reflective coating	S.AlaguVaithianathan B.Kumaragurubaran Subhendu k Panda T.Senthilkumar	TEQIP II Sponsored International Conference on Sustainable Energy Systems And Energy Management SESEM'2015, Department of Mechanical Engineering, BIT Campus, During 04-05 June 2015	97	99

12	Designing a simulation Kit and Simulating A Vehicle Air Conditioning	B.Kumaragurubaran P.Gopal Cyril Reuben Raj T.Senthil Kumar	TEQIP II Sponsored International Conference on Sustainable Energy Systems And Energy Management SESEM'2015,Department of Mechanical Engineering, BIT Campus, During 04-05June 2015	262	266
13	Experimental investigation of convective heat transfer rough surface pin – fin apparatus for integrated circuit	P.Kaviyarasu C.Saravanan T.Senthilkumar B.Kumaragurubaran	TEQIP II & CSIR Sponsored International Conference on Energy and Environmental Systems (ICEES'17) Department of Mechanical and Civil Engineering ,BIT Campus,During 10-12 March 2017.	11	16
14	Performance Charaterstics of petrol –Diethyl Ether Blends in Spark Ignition Engine	T.Vigneshwaran D.B.Sivakumar Dr.T.Senthil Kumar Dr.B.Kumaragurubaran	TEQIP II & CSIR Sponsored International Conference on Energy and Environmental Systems (ICEES'17) Department of Mechanical and Civil Engineering ,BIT Campus, During 10-12 March 2017.	22	26
15	performance and emission characteristics of ci engine by varying injection pressure & timing using rice bran oil biodiesel blends	R.Ravichandran, T. Senthilkumar, B.Kumaragurubaran	TEQIP II & CSIR Sponsored International Conference on Energy and Environmental Systems (ICEES'17) Department of Mechanical and Civil Engineering ,BIT Campus,During 10-12 March 2017.	27	31
16	Effect of filler wire on hot tensile properties of dissimilar welding of SA213TP-347H with SA213 T23	OK.ThirugnanasambadamDr.TSenthilKumar Dr B Kumaragurubaran	TEQIP II & CSIR Sponsored International Conference on Energy and Environmental Systems (ICEES'17) Department of Mechanical and Civil Engineering ,BIT Campus, During 10-12 March 2017.	32	36
17	overview of energy and environmental systems	V.Venkatasubramanian, Dr.B.Kumaragurubaran, Dr.T.Senthilkumar	TEQIP II & CSIR Sponsored International Conference on Energy and Environmental Systems (ICEES'17) Department of Mechanical and Civil Engineering ,BIT Campus, During 10-12 March 2017.	37	41
18	Numerical Investigation of serrated fins of heat recovery steam generator for heat transfer improvement	R.Vijayakkumar, Dr.M.Chandrasekaran , Dr.T.Senthilkumar, Dr.B.Kumaragurubaran , Dr.R.SenthilMurugan	TEQIP II & CSIR Sponsored International Conference on Energy and Environmental Systems (ICEES'17) Department of Mechanical and Civil Engineering ,BIT Campus, During 10-12 March 2017.	42	49
19	An overview of Friction Stir Welding Processes	I.NazimudeenMohamed,Dr.B.Kumaragurubaran, Dr.T.Senthilkumar	TEQIP II & CSIR Sponsored International Conference on Energy and Environmental Systems (ICEES'17) Department of Mechanical and Civil Engineering ,BIT Campus,During 10-12 March 2017.	157	166

20	Loop Thermo syphon Performance Study for Solar Panel Cooling	Manikandan A, Kumaragurubaran B, Senthilkumar T, Chandrasekar M	TEQIP II & CSIR Sponsored International Conference on Energy and Environmental Systems (ICEES'17) Department of Mechanical and Civil Engineering ,BIT Campus, During 10-12 March 2017.	178	181
21	advance cooling of radiators by using copper-oxide nanofluids	Mr.C.Arivakaran, Dr.P.NaveenethaKrishnan,Dr.T.Senthil Kumar, Dr.B.Kumaragurubaran	TEQIP II & CSIR Sponsored International Conference on Energy and Environmental Systems (ICEES'17) Department of Mechanical and Civil Engineering ,BIT Campus,During 10-12 March 2017.	195	200
22	Analyzing the radiator heat transfer on different types of wall surfaces	Mr.C.Arivakaran, Dr.P.NaveenethaKrishnan,Dr.T.Senthil Kumar, Dr.B.Kumaragurubaran	TEQIP II & CSIR Sponsored International Conference on Energy and Environmental Systems (ICEES'17) Department of Mechanical and Civil Engineering ,BIT Campus,During 10-12 March 2017.	201	207
23	Isolation of Microorganism from Biofuel Production	Rajadevan M, Mahesh A, Dr. Kumaragurubaran B, Dr. Senthilkumar T , Dr.Arulmozhi M	TEQIP II & CSIR Sponsored International Conference on Energy and Environmental Systems (ICEES'17) Department of Mechanical and Civil Engineering ,BIT Campus,During 10-12 March 2017.	219	222
24	Experimental Investigation on Performance Improved phase change materials with graphite nano particles	T.Arunkumar, P.Gopal, B.Kumaragurubaran, T.SenthilKumar	TEQIP II & CSIR Sponsored International Conference on Energy and Environmental Systems (ICEES'17) Department of Mechanical and Civil Engineering ,BIT Campus,During 10-12 March 2017.	223	227
25	performance analysis of shell & tube type heat exchanger under the effect of varied operating conditions by adding nano particles	Mr.K.Subramani, Dr.P.NavaneethaKrishnan,Dr.T.Senthil Kumar, Dr.B.Kumaragurubaran	TEQIP II & CSIR Sponsored International Conference on Energy and Environmental Systems (ICEES'17) Department of Mechanical and Civil Engineering ,BIT Campus,During 10-12 March 2017.	268	271

d. National Conferences:

SLN o.	Title of the paper	Authors	Name and volume of the Journal and year	Page No.	
				From	To
1.	Experimental Investigation on the effect of dust accumulation on the power output of flat	A.Suganaya B.Kumaragurubaran M.Chandrasekar	Two Days National Conference on Smart Energy Systems for Sustainable Development, organized by Department of Mechanical Engineering,3-4 March 2017 at VIT University Chennai Campus	111	

	pv panels				
2.	Evaluation of engine performance of zirconia coated piston surface in diesel engine	B.Kumaragurubaran M.Chandrasekar T.Senthil Kumar	Two Days National Conference on Smart Energy Systems for Sustainable Development, organized by Department of Mechanical Engineering,3-4 March 2017 at VIT University Chennai Campus	118	
3	Design and optimization to increase the convention efficiency of radiator by using various brass alloys	T.Senthilkumar, B.Kumaragurubaran, K.Suresh, M.Ramachandran	Two day national conference on Recent trends in civil & mechanical Engineering,8th &9th April 2011 at Anna University of Technology,Tiruchrappalli ISBN 978-81-251-032-8	93	97
4	Performance and emission evaluation of LPG diesel dual fuel in multi cylinder engine	T.Senthilkumar, B.Kumaragurubaran, S.Muthunayagam, I.muthukrishnan	Two day national conference on Recent trends in civil & mechanical Engineering,8th &9th April 2011 at Anna University of Technology,Tiruchrappalli ISBN 978-81-251-032-8	281	287
5	Analysis of un accounted heat losses in Yattria-Zirconia coated piston surface	B.Kumaragurubaran, T.Senthilkumar, V.Balasubramanian	Two day national conference on Recent trends in civil & mechanical Engineering,8th &9th April 2011 at Anna University of Technology,Tiruchrappalli ISBN 978-81-251-032-8	239	242
6	The Effect of Yttria-Zirconia Coating on SI Engine Performance	B.Kumaragurubaran, T.Senthilkumar, V.Balaubramanian, P.Gopal	SOJOM 2008 Held at Welding Research Institute, Tiruchirappalli during 10-13 December 2008	17	22
7	Pitting corrosion behaviour of shielded metal arc welded ferritic stainless steel	B.Kumaragurubaran, K.Shanmugam ,V.Balasubramanian, T.Senthilkumar	Recent advancements in surface Engineering held at Annamalai University during,15-16 March 2007	31	36
8	A Study of the effects of metalworking fluid on human health and environment	L.S.Narendhira T.Senthilkumar B.Kumaragurubaran P.Gopal	A National Conference on Reliability and Safety Engineering at BIT campus,Anna University,Tiruchirappalli during 13-15 February 2014 ISBN 978-8192112848	247	251
9	An Investigation on effects of Process parameters of pulsed TIG welded aluminium alloy on mechanical and corrosion properties	P.Sabari selvan R.Mohandoss T.Senthilkumar B.Kumaragurubaran	A National Conference on Reliability and Safety Engineering at BIT campus, Anna University, Tiruchirappalli during 13-15 February 2014 ISBN 978-8192112848	253	255
10	Optimization of CNC tooling to improve reliability and Safety	M.Saravanan L.S.Narendhira B.Kumaragurubaran P.Gopal	A National Conference on Reliability and Safety Engineering at BIT campus, Anna University, Tiruchirappalli during 13-15 February 2014 ISBN 978-8192112848	256	260
11	Investigation for minimizing the wear rate and coefficient of	G.Ravikumar T.Senthilkumar P.Gopal B.Kumaragurubaran	A National Conference on Reliability and Safety Engineering at BIT campus, Anna University,	261	265

	friction in aluminium MMC		Tiruchirappalli during 13-15 February 2014 ISBN 978-8192112848		
12	Investigation of Chip morphology in a Passive Damping Boring Tool Bar using Deform-3D	G.Kumaran S.Chockalingam P.Gopal B.Kumaragurubaran	A National Conference on Reliability and Safety Engineering at BIT campus,Anna University, Tiruchirappalli during 13-15 February 2014 ISBN 978-8192112848	422	426
13	An Analysis of formability limit diagram of G.I & AL 2024 sheets	G.Mahadevan B.Kumaragurubaran P.Gopal	A National conference on Innovation in engineering Design at BIT campus,Anna University, Tiruchirappalli during 29-30 April 2014 ISBN 978-81-921-1286-2	130	135
14	A Study on Computer Aided Assembly Sequence Planning	G.Mahadevan B.Kumaragurubaran P.Gopal	A National conference on Innovation in engineering Design at BIT campus, Anna University, Tiruchirappalli during 29-30 April 2014 ISBN 978-81-921-1286-2	149	155
15	Fabrication and Charaterization of Metal Matrix Composites	N.Anadharajan P.Sivakumar P.Navaneethakrishnan B.Kumaragurubaran	A National conference on Innovation in engineering Design at BIT campus, Anna University, Tiruchirappalli during 29-30 April 2014 ISBN 978-81-921-1286-2	263	275
16	Design and fabrication of savonius vertical axis wind turbine	T.Parameshwaran pillai C.Saravanan P.Navaneethakrishnan B.Kumaragurubaran	A National conference on Innovation in engineering Design at BIT campus, Anna University, Tiruchirappalli during 29-30 April 2014 ISBN 978-81-921-1286-2	304	307
17	Reduction of reflection losses in solar cell by using TiAl ₂ and Zr Antireflective coating	S.Anandhi B.Kumaragurubaran	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus, Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	119	122
18	Optimization of cutting parameters in End milling operation by using response surface methodology	R.Parabhakaran B.Kumaragurubaran T.Senthilkumar	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus, Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	129	135
19	Investigation of microstructure and Tribological properties of PVD Titanium Niteride(Ti-N) Coatings on 316L Stainless steel	C.Jayakumar B.Kumaragurubaran T.Senthilkumar	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus,Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	223	228
20	Experimental Investigation and Analysis of Surface Coating on Windmill Blade with and without	V.Jayasabarinathan B.Kumaragurubaran P.Gopal Dr.T.Senthilkumar	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus, Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	229	234

	Ceramic Material				
21	Performance Improvement of Eye Bolt Forging by Optimizing the Die Design and New Type of Surface Coating	V.Jeyabalaji Dr.T.Senthilkumar B.Kumaragurubaran P.L.Rameshkumar	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus, Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	235	238
22	Comparative Performance Evaluation of PVD Coated and CVD Coated inserts in CNC Turning of EN31 & EN19	D.Jockin B.Kumaraguruban Dr.T.Senthilkumar	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus, Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	239	243
23	Implementation of Lean Tools and Line Balancing Technique in Pump Manufacturing Industry to improve Productivity	R.Kamalakaran Dr.M.Chandrasekaran B.Kumaragurubaran Dr.T.Senthilkumar	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus, Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	244	246
24	Effects of Aging Treatments on Microstructure and Mechanical Properties of Friction Stir Welded AA7075 aluminium Alloy Joints	R.Mohandoss Dr.T.Senthilkumar B.Kumarakurubaran P.Sivaraj	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus, Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	253	258
25	Effects of High pressure coolant on Tool life, Human Health and Environment	L.S.Narendhira Dr.T.Senthilkumar B.Kumaragurubaran	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus,Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	259	264
26	Performance Evaluation of Cryogenic Treated Tools in Turning	K. Parameshwaran Dr. T. Senthilkumar B. Kumaragurubaran	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus,Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	265	270
27	Performance Analysis of Aluminum Copper Alloy Material with Experimental Work to Increase Toughness	M.Prasath kumar Dr.M.chandrasekar Dr.T.senthil kumar B.kumaragurubaran	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus, Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	271	276
28	Finite Element Analysis and Experimental Evaluation of Bonded, Riveted and Hybrid	D. Ravi kumar Dr. M. Chandrasekar P. Gopal B. Kumaragurubaran	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus, Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	277	282

	Joints in Glass Fibre Epoxy Composite Laminates for Aircraft structure				
29	Investigation for Minimizing the Wear rate and Coefficient of Friction in Aluminum MMC	G.Ravikumar Dr.T.Senthilkumar P.Gopal B.Kumaragurubaran	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus, Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	283	288
30	An Investigation on Effect of Process Parameter of Pulsed Tig Welded Aluminium Alloy on Mechanical and Corrosion Properties	P. Sabari selvan Dr.T.Senthil Kumar B.Kumaragurubaran	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus, Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	289	292
31	Optimization of Engineering Systems	M. Saravanan Dr.T.Senthilkumar P. Gopal B. Kumaragurubaran	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus, Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	293	297
32	Design Fabrication and Analysis of Single Composite Lap Joint	T.Subramaniyan Dr. T. Senthilkumar B. Kumaragurubaran	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus, Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	298	305
33	Experimental Investigation and Mechanical Properties of Ceramic Coating on Aluminium Piston by Plasma Spray Technique	M.S.Thangaravishankar , B.Kumaragurubaran Dr.T.Senthilkumar	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus,Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	313	317
34	Heat Transfer Enhancement in a Circular Tube having Internal Helical Swirl and fitted with Twisted - Tape	A.Abdul Muthalif Dr.M.Chandrasekar B.Kumaragurubaran Dr.T.Senthilkumar	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus,Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	324	327
35	Heat Transfer Enhancement in Vertical Coil Heat Exchanger by using Nano fluid -TiO2 /Water	A.Akbar Ali B.Kumaragurubaran S.Suresh Dr.T.Senthilkumar	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus,Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	328	332
36	Perfection and Inference of Diverse Advance Forced Convection Solar	G.Balakrishnan Dr.M.Chandrasekar Dr.T.Senthilkumar B.Kumaragurubaran	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus,Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	338	342

	Dryer by using OKRA				
37	Performance Analysis of Room Air Conditioner by Thermoelectric Module using a Water as a Media	K.P.Ganesh Dr.M.Chandrasekar B.Kumaragurubaran, Dr.T.Senthilkumar	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus,Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	343	349
38	Experimental Analysis of Vapour Compression Refrigeration with Humidifier	G.Karthikeyan P.Gopal Dr.T.senthilkumar B.Kumaragurubaran	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus,Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	350	355
39	Emission Characteristics Analysis of J20 Oil in Addition with Solvent Ether (DEE) in Internal Combustion Engine	N.Manikanda Prabu Dr.T.Senthil Kumar B.Kumaragurubaran Dr.S.Nallusamy	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus,Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	356	361
40	Thermal Performance of a Solar Water Heater with PCM as a Storage Medium	K.Muthukumaran Dr.M.Chandrasekar Dr.T.Senthilkumar B.Kumaragurubaran	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus,Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	362	366
41	Experimental Analysis of Solar Operated Reciprocating Pump	T.Prabu B.Kumaragurubaran Dr.T.Senthilkumar	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus,Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	367	369
42	Analysis Of Electricity Production From Solar Energy Hybrid With Hydrogen Gas Power Plant	M.Sakthivel Dr.T.Senthilkumar B.Kumaragurubaran	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus,Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	370	375
43	Performance Improvement in Power Transformer Cooling System	R.Saravana Kumar B.Kumaragurubaran Dr.T.Senthilkumar	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus,Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	376	381
44	An Investigation of Material Research with Solar Water Heater by using V Trough Collector	M.Sethuraman P.Gopal Dr.T.Senthilkumar B.Kumaragurubaran	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus,Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	382	386
45	Performance Analysis Of Electric Power And Warm Water Generation By Using Solar Panel With Parabolic Reflectors	N.Somasundaram Dr.T.Senthilkumar B.Kumaragurubaran	A National conference on Advancements and futuristics trends in Mechanical Engineering at BIT campus,Anna University, Tiruchirappalli,during 21&22 April 2014 ISBN 978-81-254-0267-1	387	391

46	Performance Investigation on Four Stroke Single Cylinder Diesel Engine with MGT	M.Vijayakumar Dr.T.Senthilkumar P.P.Sethusundaram B.Kumaragurubaran	A National conference on Advancements and futuristic trends in Mechanical Engineering at BIT campus, Anna University, Tiruchirappalli, during 21&22 April 2014 ISBN 978-81-254-0267-1	392	395
47	Experimental Analysis Over Heat Sink	M.Vinoth kumar P.Gopal Dr.T.Senthil kumar B.Kumaragurubaran	A National conference on Advancements and futuristic trends in Mechanical Engineering at BIT campus, Anna University, Tiruchirappalli, during 21&22 April 2014 ISBN 978-81-254-0267-1	396	399
48	Design and Analysis of Thermoelectric Heat Exchanger for Waste Heat Recovery	S.Vinoth B.Kumaragurubaran Dr. T.senthilkumar	A National conference on Advancements and futuristic trends in Mechanical Engineering at BIT campus, Anna University, Tiruchirappalli, during 21&22 April 2014 ISBN 978-81-254-0267-1	400	405
49	Effects of ethonal – diesel blends in thermal barrier coated diesel engine	B.Kumaragurubaran B.M.Gnanasekaran S.Sathya G.Tamilarasan	A National conference on Green Engineering & Technologies for Sustainable Future at BIT campus, Anna University, Tiruchirappalli, during 05&06 December 2014 ISSN :0974-2115	174	177

➤ **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, 01st -8th 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, 09th – 22nd 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, 23rd 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 -11th 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 -05th 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 21.10.2013to22.10.2013	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.KumaragurubaranG.Mahadevan
3	TEQIP II Sponsored National Conference on Advancements and Futuristic Trends in Mechanical Engineering AFTME 2014	Two Days 21.04.2014to22.04.2014	Department of Mechanical Engineering,BIT Campus, AnnaUniversity, Tiruchirappalli	Co-ordinators B.KumaragurubaranD.Mala
4	TEQIP II Sponsored International Conference on Energy efficient technologies for Automobiles EETA-2015	Two Days 20.03.2015to21.03.2015	Department of Automobile Engineering,BIT Campus, AnnaUniversity, Tiruchirappalli	Co-ordinators B.KumaragurubaranM.Chandrasekar
5	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
6	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
7	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.KumaragurubaranPon.Azhagiri Dr.P.Gopal
8	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.KumaragurubaranPon.Azhagiri Dr.P.Gopal
9	TEQIP II Sponsored Technical Symposium on CANDENTIA'16	Two Days 2.03.2016to03.03.2016	Department of Mechanical Engineering,BIT Campus, AnnaUniversity, Tiruchirappalli	Co-ordinators B.KumaragurubaranP.Gopal A.Arun mani

10	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
11	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
12	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
13	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
14	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
15	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
16	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.KumaragurubaranP.Gopal M.Chandrasekar Pon.Azhagiri
17	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.Kumaragurubaran M.Chandrasekar
18	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
19	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.KumaragurubaranP.Gopal Pon.Azhagiri

20	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
21	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
22	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
23	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
24	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
25	Quiz on Metals & Materials	06.08.2017	University College of Engineering BIT Campus Tiruchirappalli	Local Coordinator
26	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
27	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
28	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
29	National Integration Camp-2018 (Ministry of Youth Affairs & sports)	10.12.2018 – 16.12.2018	Alagappa Chettiar Government College of Engineering & Technology,Karaikudi	Organizer
30	State Youth Parliament 2019	5.02.2019 – 06.02.2019	Vivekananda Auditorium Anna University Chennai	Jury Member
31	34 th 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
32	Quiz on Metals & Materials	18.08.2019	University College of Engineering BIT Campus Tiruchirappalli	Local Coordinator

33	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
34	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.Navaneethakrishnan
35	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.KumaragurubaranDr.Jeyanth hi Dr.Josephpaulraj
36	PFMS Training for Programme Officers of Tiruchirappalli Region	10.10.2023	Regional Office, BIT Campus, Anna University, Tiruchirappalli	Co –ordinator B.Kumaragurubaran
37	University Level Selection Camp for State Level Republic Day Parade Camp	30.12.2023	Organized by BIT Campus, Anna University, Tiruchirappalli	Co-ordinator B.Kumaragurubaran
38	Indian Council of Social Science Research(ICSSR) Sponsored Two day Seminar on Interweaving Sustainable Development goals through National Service Scheme	03.11.2023 to 04.11.2023	Organized by NSS Cell Anna University Chennai	Co-Coordinator B.Kumaragurubaran
39	RUSA 2.0 – Programme on Career Guidance- Specialised Niche Skill Development on New product Development	06.11.2023 to 18.11.2023	RUSA 2.0 – Anna University Chennai Sponsored Organized by BIT Campus, Anna University, Tiruchirappalli	Co-ordinator B.Kumaragurubaran
40	RGNIYD Sponsored Three Days Training Programme on Employability Skills for Youth	29.02.2024 to 02.03.2024	RGNIYD Sponsored Organized by BIT Campus, Anna University, Tiruchirappalli	Co-ordinator B.Kumaragurubaran
41	RGNIYD Sponsored Two Day Creating A Clean Green India (Swaach Bharath) for NSS Volunteers	08.03.2024 to 09.03.2024	RGNIYD Sponsored Organized by BIT Campus, Anna University, Tiruchirappalli	Organizing Member B.Kumaragurubaran
42	Tamil Nadu Youth Welfare & Sports Development Department & Tamil Nadu State NSS Cell Sponsored Three Days Workshop on Employability Soft Skill Training for Youth	18.03.2024 to 20.03.2024	Tamil Nadu Youth Welfare & Sports Development Department & Tamil Nadu State NSS Cell Sponsored Organized by BIT Campus, Anna University, Tiruchirappalli	Camp Organizer B.Kumaragurubaran

➤ **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 22nd to 23rd 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 17th March 2007. (1 Day)
3. Workshop (2007), "Finite Element Analysis ", organized by Department of Mechanical Engineering, Sudharsan College of Engineering Sathiyamangalam – 622 501, during 24th March 2007. (1 Day)
4. Workshop (2007), "Automotive Materials ", organized by Faculty of Engineering & Technology Annamalai University, Chidambaram, during 07th April 2007. (1 Day)
5. Faculty Development Programme (2007), "Electronic Engine Management system ", organized by Bharathidasan University (BIT Campus) Sponsored by AICTE during 04th to 16th 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 19th 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 12th to 16th 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 29th 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 29th to 30th April 2011. (2 Days)
10. Workshop (2012), "Welding of Steels", organized by Faculty of Engineering & Technology Annamalai University, Chidambaram, during 12th to 13th 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 17th to 24th December 2012. (7 Days)
12. Faculty Development Programme (2013), "Introduction to Research Methodology", organized by Centre of Continuing Education, IIT Madras during 30th to 31st 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 22nd August to 30th 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 18th December to 26th 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 24th June to 1st 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 1st to 2nd 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 20th May to 02nd 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 08th to 14th 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 15th to 28th 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 21st to 27th 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 18th to 19th 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 09th to 22nd 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 22nd June 2016 to 06th 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 08th to 14th 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 04th to 10th December 2017. (7 Days)
26. Training Programme (2018), “PFMS-EAT Module” organized by Institute of Government Accounts & Finanace, Government of India, Chennai during 13th 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, Hydrabad during 21st 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 10th -21st 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 23rd – 28th November 2020 (Slot-I).
30. FDP (2021), “Inculcating Universal Human Values in Technical Education” organized by AICTE, Government of India, during 20th December to 24th December 2021.
31. Industrial Training (2021), “Mechanical Engineering Applications in Telecom Industry” organized by Bharat Sanchar Nigam Limited, during 23rd June to 13th 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 20th July to 25th July 2020.
34. Webinar (2020). “Envision towards particle sciences and biodiesel production” organized by KPR Institute of Technology Coimbatore, during 27th July to 28th July 2020.
35. Webinar (2020). “Cold metal transfer welding and its allied processes” organized by Sri Venkateshwara College of Engineering Chennai, during 31st July to 2nd 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 22nd March to 20th 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.Kumaragurubaran M.Chandrasekar
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	34th 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 18th to 20th 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 10th to 12th January 2007. (3 Days)
3. International Welding Symposium (2008), "Welding Symposium IWS-2k8", organized by Indian Welding Society (IWS), at New Delhi, During 13th to 15th February 2008. (3 Days)
4. International Symposium (2008), "Symposium on Joining of Materials SOJOM 2008", organized by Indian Welding Society (IWS), at Tiruchirappalli, During 11th to 13th 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) 9th to 11th 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 20th to 21st 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 4th to 6th 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 10th to 11th 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 10th to 12th 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 th -11th May 2019.
2. Expert Lecture (2020), “Do’s and Don’ts COVID-19 Post Lockdown effectively” organized by NSS, Arasu Engineering College, Kumbakonam, during 01st June 2020

Chief Guest

- Chief Guest (2020), “National Level Yoga Competition 2020” organized by Arasu Engineering College, Kumbakonam, during 01st February 2020.
- Chief Guest (2018), “National Level Yoga Competition 2018” organized by Arasu Engineering College, Kumbakonam, during 19th June 2018.
- Chief Guest (2017), “NSS Inaugural Function” Organized by Mother Teresa College of Engineering & Technology, Pudukottai, During 19th August 2017.
- Chief Guest (2017), “Personality Development Through Social Activities” organized by

J.J.College of Engineering & Technology, Tiruchirappalli, during 06th October 2017.

- Chief Guest (2017), “NSS Day Celebrations” organized by Mookambigai College of Engineering, Tiruchirappalli, during 25th September 2017.
- Chief Guest (2017), “NSS Day Celebrations” organized by Roever Engineering College, Perambalur, during 22nd September 2017.
- Chief Guest (2017), “NSS Special Camp Inauguration” organized by Shivani Engineering College, Tiruchirappalli, during 22nd February 2017.
- Chief Guest (2016), “NSS Unit Inauguration” organized by Shivani Engineering College, Tiruchirappalli, during 26th September 2016.
- Chief Guest (2016), “NSS Unit Inauguration” organized by Meenakshi Ramasamy Engineering College, Thatanur, during 09th September 2016.
- Chief Guest (2016), “NSS Special Camp Inauguration” organized by Pavendar Bharathidasan College of Engineering & Technology, Tiruchirappalli, during 14th March 2016.