

Faculty Profile



1. Name of the faculty with Qualification : I.Sankar M.E
2. Age & Date of birth : 31 / 22-02-1985
3. Designation : Assistant Professor (Sr.Gr)
4. Experience in NEC as on 01.06.16 (With joining Date in NEC) : Date of joining in NEC: 04-07-2008
Experience in NEC: 7years & 11 months
5. Area of Expertise : Manufacturing Engineering
6. Name of the Courses handled for the last 5 years (2011-12 to 2015-16) :

Sl.No	Academic Year	Subject name	
		Odd sem	Even Sem
1	2011-12	1. Engineering Graphics 2. Manufacturing Technology-I 3. Engineering Practices Lab	1. Manufacturing Technology-II 2. Principles of Management 3. Comprehension Lab
2	2012-13	1. Engineering Graphics 2. Manufacturing Technology-I 3. Dynamics Lab	1. Heat And Mass Transfer 2. Comprehension Lab 3. Thermal Lab-II
3	2013-14	1. Engineering Graphics 2. Manufacturing Technology-I 3. Engineering Practices Lab	1. Heat and Mass Transfer 2. Professional Ethics in Engineering 3. Strength of Materials lab
4	2014-15	1. Engineering Graphics 2. Metal Cutting Theory and Practice 3. Comprehension lab	1. Basic Civil and Mechanical Engineering 2. Composite Materials 3. Metrology and Dynamics Lab
5	2015-16	1. Engineering Graphics 2. Manufacturing Technology-I 3. Comprehension Lab	1. Manufacturing Technology-II 2. Principles of Management 3. Manufacturing Technology Lab

7. Research Area : Composite Materials
8. Ph.D work and publications : Investigation on the Mechanical Properties of Palmyra fruit fiber/nano clay Reinforced Polymer Composites
9. Progress after Ph.D : Pursuing Ph.D work

10. Details of Project guided (BE and ME) : List with outcomes

Sl.No	Title of the Project Work	Batch	Outcome
1	Investigation on static Mechanical properties of Neem root fiber reinforced Polymer matrix composites	2011	Project completed with expected quality
2	Investigation on static Mechanical properties of natural fiber reinforced Polymer matrix composites	2012	Project completed with expected quality
3	Tribology studies on natural Fruit fiber Reinforced polymer composite	2012	Project completed with expected quality
4	Fabrication and thermal characterization of charcoal particles reinforced polymer composites	2013	A new composite material is fabricated and characterized and a product patent is filed on that material.
5	Investigation of mechanical Properties of natural Fiber/ polymer honeycomb Sandwich panel	2014	Project completed with expected quality
6	Optimization of process parameters to obtain maximum wear resistance in the natural fiber/polyester composites.	2015	Project completed with expected quality
7	Investigation on wear resistance and wear mechanisms of natural fiber-Nano clay reinforced polyester hybrid composites under dry sliding	2016	A research paper is prepared on the project contents and about to submit to a peer review international journal.

11. Research Publication details :

List of faculty publications along with date if issues DOIs and publication/SCI impact factor details for the last 5 years (2011-12 to 2015-16)
Separate list for national and international journals and conferences.

S.No	Title of the Paper	Name of the International Journal	Status
1	Fiber loading and treatment effects on dry sliding wear of Palmyra fruit fiber composites	Science and Engineering of Composite Materials (Impact factor: 0.59)	Published. Volume:23; Issue:2; Pg: 217-226; year:2016
2	Combined effect of nano clay and fiber surface treatment on mechanical behaviors of palmyra fruit fiber/MMT clay reinforced polyester hybrid composite	International Journal of Computer Aided Engineering and Technology	Accepted
3	Effect of surface treatment on vibrational behaviour of palmyra fruit fibre composites	International Journal of Materials Engineering Innovation	Under Review
4	Investigation On Wear Behaviors And Worn Surface Morphology Of Surface Treated Palmyra Fruit Fiber/Polyester Composites To Appraise The Effects of Fiber Surface Treatments	Polymer Composites Annexure-I (Impact factor: 1.632)	Under Review

S.No	Title of the Paper	Name of the International Conference	Organizer
1	Effect Of Fiber Volume Fraction on The Mechanical Properties of Coconut Sheath/USP Composite	3 rd International Conference On Recent Advances in Material Processing Technology (RAMPT'13)	National Engineering College

S.No	Title of the Paper	Name of the National Journal	Status
1	Effect Of Fiber Volume Fraction on The Mechanical Properties of Coconut Sheath/USP Composite	Journal of Manufacturing Engineering	Published Volume:8; Issue:1; Pg: 60-63; year: 2013

12. Details of R&D Projects : ~~Completed / Ongoing Projects/ status and outcomes~~

13. Deatils of Consultancy Projects : ~~Completed / Ongoing Projects/ status and outcomes~~

14. Faculty interaction with outside world :-----
(Please attach proof)

15. Professional society activities, events, conferences organized:-----

16. Professional society activities, events, conferences attended:-----

17. FDP, Short term courses, workshops, seminar arranged :-----

18. FDP, Short term courses, workshops, seminar attended :

S.No	Title of the event	Duration	Organizer
1	National Level Workshop on Formulation of Research and Development Grant Proposals by Scientists and Technologists	18 th -20 th Nov 2015	National Engineering college
2	One day Workshop on Intellectual Property Rights & Innovations	07 th Nov 2015	National Engineering College
3	Indo-Brazil Bilateral International Workshop on Research Issues in Reinforced Materials	30 th March 2015	Kalasalngam University
4	Two days FDP on Empowering Indian Engineering Education for Global Expectations	07 th & 8 th Nov 2014	National Engineering College

5	Two days Workshop on Recent Advances in welding of Dissimilar Materials	19 th & 20 th April 2013	National Engineering college
6	National Level Workshop On Research Issues In Reinforced Materials	27 th February 2013	Kalasalingam University
7	Two days National level workshop on Analysis of Electrical Generators for Wind Energy Systems	29 th & 30 th December 2008	National Engineering College
8	Two Days Workshop on Micro Teaching	18 th & 19 th July 2008	National Engineering College
9	National level Seminar on Optimization Techniques for Engineering Applications	05 th April 2008	Velammal College of Engineering and Technology

19. List of course module developed :-----
20. Records of new program specific facility created by faculty :-----
21. Faculty Intellectual Property Rights (FIPR) applied : One product patent
applied at IPR India
22. Laboratories/research facilities established : -----
23. Any other informations/special achievements: