



## INDIVIDUAL FACULTY DATA SHEET

**Name of the College** : Sri Sai Ram Engineering College  
**Name of the Department** : Mechanical  
**Name of the faculty member** : R.Ashok Gandhi  
**Present Designation** : Associate Professor  
**Residential Address** : 27/3 Jagadeesan St,NGGO Colony,Chengal Pat  
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**Gender** : Male  
**PAN Number** : AKIPA2010Q  
**Date of Birth** : 25.05.1976

### I. Particulars of Educational Qualification: (only completed)

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University
UG	B.E	Mechanical	1997	Mookambigai Engineering college	Bharathidasan
PG	M.E	Production	2000	Annamalai University	Annamalai University
Ph.D.	-	Manufacturing	2017	Annamalai University	Annamalai University

**Title of Ph.D. Thesis \*** : Some studies on wear characteristics of polypropylene nano composites

**Faculty in which Ph.D. was awarded** : Manufacturing Engineering

### IV. Academic Experience :

Name of the College	Designation	Joining Date	Relieving Date	Experience
1. Annai Teresa College of Engineering	Lecturer	27.07.2000	31.01.2002	1 Year and 6 months
2. Thirumalai Engineering College	Lecturer	03.07.2002	25.02.2003	7 Months
3. Annai Teresa College of Engineering	Lecturer	23.02.2003	1.09.2004	1 year and 7 months
4. Idhaya Engineering College for women	Senior Lecturer	2.09.2004	26.02.2006	1 year and 5 months
5. SSM College of Engg	Senior Lecturer	27.02.2006	22.12.2006	10 Months
6. Krishnasamy College of Engg	Senior Lecturer	5.01.2007	27.09.2007	8 Months

7.Asan College of Engineering	<b>Associate Professor</b>	<b>28.09.2007</b>	<b>28.07.2008</b>	10 Months
8.Sri Sai Engineering College		<b>04.08.2008</b>	---	16 Years
<b>Total</b>				24

### Projects obtained

The following project i have obtained under the category of Principal Investigator its about to complete

**DST/SSTP/2018/35C**

**"Design, development and demonstration of vertical axis free flow helical clustered water turbines"**

### Papers published

- 1.Development and Field Trials of Ultra Low Wind Speed Vertical Axis Wind Turbine (VWAT) for Home Application RA Gandhi, S Krishnaraj, V Raviraj, S Ganapathy, S Ramachandran Indian Journal of Science and Technology 9, S1
2. Design and development of sail type wind turbine with solar panel,RA Gandhi, A Ravinthiran, K Palanikumar,Materials Today: Proceedings 46, 3989-3992
- 3.Role of carbon nanotubes (CNTs) in improving wear properties of polypropylene (PP) in dry sliding condition RA Gandhi, K Palanikumar, BK Ragnunath, JP Davim Materials & Design 48, 52-57
4. Flow stress modeling of AZ91 magnesium alloys at elevated temperature,BK Raghunath, K Raghukandan, R Karthikeyan, K Palanikumar,Journal of Alloys and Compounds 509 (15), 4992-4998
5. Role of Calcium Carbonate(CaCO<sub>3</sub>) in improving wear resistance of Polypropylene(PP) components used in automobiles VJ K.Palanikumar , R.AshokGandhi , B.K.Raghunath Materials Today: Proceedings 16, 1363–1371
6. Effect of carbon nano tubes (CNT) on hardness of polypropylene matrix R Ashok Gandhi, V Jayaseelan, K Palani Kumar, BK Raghunath,Advances in Materials and Metallurgy: Select Proceedings of ICEMMM 2018, 261-270
7. Nano indendation hardness testing of PP-CNT composites,RA Gandhi, V Jayaseelan, BK Raghunath, K Palanikumar,Materials Today: Proceedings 16, 1372-1377
8. Performance of waste insulating mineral oil-based biodiesel in a direct-injection CI engine A Sivakumar, R Sathiyamoorthi, V Jayaseelan, RA Gandhi, K Sudhakar International Journal of Automotive and Mechanical Engineering 18 (4), 9349-9361
9. Role of Nano Clay in Improving Wear Properties of Polypropylene in Dry Sliding Condition. RA Gandhi, KP Kumar, BK Ragnunath, D Kanagaraj Asian Journal of Chemistry 25
10. Tensile, double shear properties of acacia and Acacia-Kenaf fiber composites,RA Gandhi, S Ramachandran, L Arunkumar, V Jayaseelan, Materials Today: Proceedings 62, 1266-1271