

SRI SAI RAM ENGINEERING COLLEGE

Dean (Student affairs)



- 1.**Name:** Dr .A. Rajendra Prasad
- 2.**Designation** Dean (Student affairs)
- 3.**Qualification** M.E., Ph.D.
- 4.**Postal Address** Sri Sai Ram Engineering College,
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Tambaram
Chennai - 600044
Tamil Nadu
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Educational Qualifications:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks
Ph.D. *	Ph.D.	ENERGY ENGINEERING	2008	COLLEGE OF ENGINEERIN G GUINDY	ANNA UNIVERSITY	NA
P.G.	M.E.	THERMAL ENGINEERING	1992	REGIONAL ENGINEERING COLLEGE TRICHY	BHARATH IDASAN UNIVERSITY	75.25
U.G.	B.TECH.	MECHANICAL ENGINEERING	1990	SV UNIVERITY COLLEGE OF ENGG TIRUPATHI	SRI VENKATE SHWARA UNIVERSITY	75.9

* **Title of Ph.D.Thesis:** Techno Economic Optimization Of Solar photovoltaic Wind Hybrid System
For Rural electrification

Employment Experience:

Sl. No	Position & Organization	Nature of job profile	Period
1.	Dean (Student affairs) Sri Sai Ram Engineering, College, Chennai -600 044.	Student affairs activities of the Institution.	Nov 2021 to till date
2.	Principal Sri Sai Ram Engineering College, Chennai -600 044.	Administration activities of the Institution.	April 2019 to Oct , 2021
3.	Dean (R&D) / Prof & Head , Mechanical Engineering Sri Sai Ram Engineering College, Chennai -600 044.	Taken care of Research and Development activities of the Institution. Administration of Department Activities, Giving lectures for UG and PG Engineering students	Aug 2009 to March 2019
4.	Prof & Head Mechanical Engineering Sri Sai Ram Engineering, College, Chennai -600 044.	Administration of Department Activities, Giving lectures for UG and PG Engineering students.	Aug 2005 to July 2009
5	Assistant Prof & Head Mechanical Engineering Sri Sai Ram Engineering, College, Chennai -600 044.	Administration of Department Activities, Giving lectures for UG Engineering students.	Sep 1998 to July 2005
6.	Assistant Professor Sathyabama Engineering College, Chennai.	Giving lectures and conducting practical classes for UG and PG Engineering students.	June 1997 to Aug 1998
7.	Senior Lecturer Sathyabama Engineering College, Chennai	Giving lectures and conducting practical classes for UG and PG Engineering students.	June 1995 to May 1997
8.	Lecturer Mookambigai College of Engineering, Trichy.	Giving lectures and conducting practical classes for UG Engineering students.	Jan 1993 to May 1995

List of Publications:**Papers published in the international journals:**

1. **A. RajendraPrasad, Natarajan, E**, published a paper entitled “Optimization of integrated photovoltaic—wind power generation systems with battery storage”, Energy, Vol.31 (2006)1607-1618.

2. B.VijayaRamnath, S.JunaidKokan, R.NiranjanRaja, R.Sathyanarayanan, C.Elanchezhian, **A.RajendraPrasad**, V.M.Manickavasagam, published a paper entitled “Evaluation of mechanical properties of abaca—jute—glass fibre reinforced epoxy composite”, *Materials & Design* 51, 2013, 357-366.
3. KarthikBabu R N, Sarvesh R, Saravanakumar P M, Balaji K, **Rajendra Prasad A**, Muruganandam D, Swaminathan G, published a paper entitled “Evaluation of Mechanical Properties and Analysis of Rapidly Heat Treated T-1 High Speed Steels” *International Journal of Applied Engineering Research*, ISSN 0973-4562 Vol. 10 No.49 (2015)
4. Vijaya Ramnath. B, Manickavasagam. V.M., Elanchezhian. C, **Rajendra Prasad. A**, Kavin. C, Karthik Subramanian. B, Rahul. V, published a paper entitled “Investigation of Tensile Properties of Manila Fibre Reinforced Composite.” *Applied Mechanics and Materials*, (2015) Volume 766-767, Pages 96–99.
5. G. Swaminathan, **A. Rajendra Prasad**, S.M. Suresh, C. Vignesh, published a paper entitled ‘Experimental analysis of hardness and densification of microwave sintered AL/SIC/AL₂O₃/flyash composites” *.Indian Journal of Science and technology (IJST)*, Vol 9(42), 2016.
6. Swaminathan G, PrasannaVenkatesh P R, **Rajendra Prasad A**, published a paper entitled “Rapid heat treatment process using microwaves – a novel approach” *Journal of Material Sciences & Engineering*, Volume 1, 2016, Pages 637-644.
7. **A.Rajendra Prasad**, S Krishnaraj, S. Ramachandran, N. Vasudevan, published a paper entitled “An Approach to the development of a green energy farm using free flow horizontal axis water turbine”. *International Journal of Science and technology(IJST)*, Volume 8, Issue 7, July 2017, Pages 25–36.
8. **A. RajendraPrasad**, B.K. Rohit, V. Varun Kalyanaraman, S. Vasanth, published a paper entitled “Prevention of air suffocation inside a car cabin using a mechatronic system”, *International Journal of Mechanical Engineering and Technology (IJMET)* Volume 8, Issue 8, August 2017, Pages 738–747.
9. **Rajendra Prasad A**, Dr. Vaidyanathan S and M. C. AnandChakaravarthi, published a paper entitled “Design and analysis of compact boiler” *International Journal of Mechanical Engineering and Technology*, Volume 9, Issue 7, July 2018, Page 1525–1534.
10. **A.Rajendra Prasad**, N. Vasudevan, S.Krishnaraj, S.M. Suresh , Balaji.S, published a paper entitled “Design and development of Phase Change Material oriented cold storage flask”. *International Journal of Mechanical Engineering and Technology*, Volume 9, Issue 8, Aug 2018, Page 204-212.
11. M. Sudhakar, **A. Rajendra Prasad**, A. Ravinthiran, M.C. AnandChakaravarthi, T. Vignesh, published a paper entitled “Performance Analysis Of Parabolic Trough Concentrating Photovoltaic Thermal System With Trapezoidal Receiver” *International Journal of Mechanical Engineering and Technology (IJMET)* Volume 9, Issue 13, December 2018, Pages 353–361.

12. M. Sudhakar, **Rajendra Prasad A**, A. Ravinthiran, PriyadarshiDutt, M.C. AnandChakaravarthi, published a paper entitled “Performance Improvement of Trough Concentrating Photovoltaic Thermal System: A Review”, Materials Today: Proceedings 16 (2019) Pages 647–652.
13. Vasudevan N, Bhaskar G.B, **Rajendra Prasad A**, Suresh S.M published a paper entitled “Corrosion study on AA5083 aluminum alloy - boron carbide composite” Materials Today: Proceedings Volume 16, Part 2, 2019, Pages 1124-1129.
14. R. Rajaprasanna, **A. Rajendra Prasad**, T. Vignesh, M. C. AnandChakaravarthi, PriyadarshiDutt, published a paper entitled “Design and Development of Ejection Seat Mechanism in Aircraft” International International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-11, September 2019, pp. 3610.
15. **A. Rajendra Prasad**, S K Dinesh Kumar, T.VinithraBanu, T. Vignesh, I. Aatthisugan, published a paper entitled “Synthesis and Thermal Energy Storage Analysis of Copper Oxide Nano fluid for Heat Transfer Applications” International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-11, September 2019, pp. 3616.
16. **A.Rajendra Prasad**, S.Chitradevi, T.Vignesh, D.Muruganandam, P.T.Dineshkumar, and J.Jayapriya published a paper entitled “Experimental exploration on emissivity of black chromium coating thickness analysis on copper alloy surface” Materials Today: Proceedings Available online 10 June 2020.
17. A.K.Saravanan, **A.Rajendra Prasad**, D.Muruganandam, G.Saravanan, S.Vivekanandan, M.Sudhakar published a paper entitled “Study on natural fiber composites of jute, pine apple and banana compositions percentage of weight basis for thermal resistance and thermal conductivity” Materials Today: Proceedings Available online 11 June 2020.
18. **A. Rajendra Prasad**, M.Kamal, G.Mahesh, S.Thirugnanam, P.Vignesh, K.Puhazlvanan published a paper entitled “Study about emissivity of black chromium (BCr) coated aluminium alloy surface” Materials Today: Proceedings Available online 30 July 2020.
19. K.Sivakumar, **A.Rajendra Prasad**, T.Jagadesh, S. Dinesh Kumar, A.Ponshanmugakumar, K.Thamilarasan published a paper entitled “Experimental investigation on emissivity of 75Ni-25Cr alloy coated Aluminium surface for the purpose of solar applications” Materials Today: Proceedings Available online 11 August 2020.
20. K. Muralidharan, Raghuram Pradhan, **A. Rajendra Prasad**, and D. Muruganandam published a paper entitled “Study of storage modulus, lose modulus and abrasion on fiber reinforced polyester composites with locally available fiber of chicken feathers” AIP Conference Proceedings, 2283, 020078 (2020).
21. T.Vignesh, K.Gurusami, A.Dhanalakshmi, **A. RajendraPrasad**, G.Puthilibai, M.Suresh published a paper entitled “Heat transfer enhancement analysis of Al₂O₃ and MgO through counter flow in heat

exchanger” Materials Today: Proceedings. Volume 33, Part 7, 2020, Pages 4412-4416.

22. **Rajendra Prasad Arani**, Ravishankar Sathyamurthy, Ali Chamkha, et.al, published a paper entitled “Effect of fins and silicon dioxide nanoparticle black paint on the absorber plate for augmenting yield from tubular solar still” Environmental Science and Pollution Research, Accepted: 19 February 2021.
23. **A. Rajendra Prasad**, Ravishankar Sathyamurthy, M. Sudhakar, et.al, published a paper entitled “Effect of Design Parameters on Fresh Water Produced from Triangular Basin and Conventional Basin Solar Still” International Journal of Photoenergy, Volume 2021, Article ID 6619138, 8 pages.
24. **Arani Rajendra Prasad**, Robbi Rahim, Ramalingam Shankar, Chandrashekhar, K. Patil, Alagar Karthick, Amit Kumar, published a paper entitled “Performance enhancement of solar photovoltaic system for rooftop garden”, Environmental Science and Pollution Research, <https://doi.org/10.1007/s11356-021-14191-z>.
25. **Arani Rajendra Prasad**, Mohammed El Hadi Attia, Wael Al-Kouz, Asif Afzal, et.al, published a paper entitled “Energy and exergy efficiency analysis of solar still incorporated with copper plate and phosphate pellets as energy storage material”, Environmental Science and Pollution Research, <https://doi.org/10.1007/s11356-021-14080-5>.
26. Ravishankar Sathyamurthy, D. Mageshbabu, B. Madhu, A. Muthu Manokar, **A. Rajendra Prasad**, M. Sudhakar, published a paper entitled “Influence of fins on the absorber plate of tubular solar still - An experimental study” Materials Today: Proceedings, Volume 46, Part 9, 2021, Pages 3270-3274.
27. V. Ravi Raj, B. Vijaya Ramnath, **A. Rajendra Prasad**, C. Elanchezhian, et.al, published a paper entitled Time Dependent Behaviour of PMMA-Toughened Siliconized SiC Strengthened Glass-Epoxy Composite, Silicon (2021).

Awards of appreciation received:

1. Received the “Best Departmental Head” Award 2017-SEED Education Award organized by Society for Educational and Entrepreneurship Development held at IIT Madras on 20th and 21st September, 2017.
2. Received the Best Project Award appreciation from the Institution of Engineers (India), student chapter of Taminadu state centre during 1st IE (I) Tamilnadu State Centre students & Technicians Convention held during 6th – 7th March 2015.
3. Received the Award of appreciation jointly from the IIT Bombay and Radiance 2013 for Coordinating the programme titled “ Technology Outreach programme 2013 “, organized at Department of Mechanical Engineering, Sri Sairam Engineering College during the period of 4th to 5th February 2013.

4. Received the Best Project Award appreciation from the Institution of Engineers (India) ,student chapter of Taminadu state centre during 1st IE (I) Tamilnadu State Centre students & Technicians Convention held during 6th – 7th March 2015.
5. Received the Award of appreciation jointly from the IIT Bombay and Radiance 2013 for Coordinating the programme titled “ Technology Outreach programme 2013 “, organized at Department of Mechanical Engineering, Sri Sairam Engineering College during the period of 4thto5thFebruary2013.
6. Received the Project Award appreciation from the Engineer Infinite Contest in ELECTRAMA 2010 for guiding the student Project titled “ Gravity propelled power generator “, Electrama 2010.
7. ReceivedtheBestProjectAwardappreciationfromtheInstitutionofEngineers(India) ,student chapter of Taminadu state centre during 1st IE (I) Tamilnadu State Centre students & Technicians Convention held during 6th – 7th March 2015.
8. Received the Award of appreciation jointly from the IIT Bombay and Radiance 2013 for Coordinating the programme titled “ Technology Outreach programme 2013 “, organized at Department of Mechanical Engineering, Sri Sairam Engineering College during the period o f4thto5thFebruary2013.
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organized at Department of Mechanical Engineering, Sri Sairam Engineering College during the period of 4th to 5th February 2013.

14. Received the Best Project Award appreciation from the Institution of Engineers(India) ,student chapter of Taminadu state centre during 1st IE (I) Tamilnadu State Centre students & Technicians Convention held during 6th – 7th March 2015.
15. Received the Award of appreciation jointly from the IIT Bombay and Radiance 2013 for Coordinating the programme titled “ Technology Outreach programme 2013 “, organized at Department of Mechanical Engineering, Sri Sairam Engineering College during the period of 4th to 5th February 2013.
16. Received the Project Award appreciation from the Engineer Infinite Contest in ELECTRAMA 2010 for guiding the student Project titled “ Gravity propelled power generator “, Electrama 2010.
17. Received Best teacher award from Sri Sairam Engineering College for the department of Mechanical Engineering during the academic year 2005 - 2006.
18. Received the Excellency award in teaching from the lions club of madras Metropolitan South during the teacher’s day celebrations 2006.

Guest Lectures Delivered / Resource Person:

1. Served as ‘Session Chair’ for International Conference on Advances in Materials, Manufacturing & Applied Sciences-17 (ICAMMAS-17) on 30th & 31st March, 2017 held at Sri Sairam Institute of Technology ,Chennai.
2. Delivered Special lecture on “Intellectual Property Rights (IPR)” Sri Sairam Engineering College, Chennai during Entrepreneurship Awareness Camp (EAC) conducted by Electronics and Communication Engineering held during on 21st March 2016.
3. Delivered Special lecture on “Technology – R & D & Intellectual Property Rights” Sairam Institute of Technology, Chennai on 16th November 2015.
4. Delivered Special lecture on Solar Photovoltaic systems” at Shridi Sai Engineering College, Bangalore on 9th October 2014.
5. Delivered Special lecture on “Emerging trends in Renewable Energy Technologies “at Anand Institute of Higher Technology, Chennai on 12th November 2013.

6. Delivered Special lecture on “Renewable Energy Technologies” at Dhanalakshmi engineering college, Chennai on 23rd January 2012.
7. Acted as a Resource person for AICTE sponsored Staff Development Programme on “Recent Developments in Manufacturing and Management” organized by Department of Mechanical Engineering, Sri Sairam Engineering College during the period of 25th to 30th July 2011.

Certification Programmes attended:

1. Received the Internal Auditor certification for ISO 9001:2008 from the Creative management Consultants upon completion of training held during 11th-12th October 2011.
2. Received the Internal Quality Auditor certification for “Quality Management System and Audit Training” from the Creative management Consultants upon completion of training held on 10th May 2003.

Participation / Presented in International conferences / World Summit:

1. Presented a paper titled "Study on Corrosion behavior of Aluminum alloy - Silicon carbide composite prepared by stir casting and squeeze casting techniques" in World Congress on Engineering and application (WCEA 2017) held at Pattaya, Thailand on 15th December 2017.
2. Participated in the 3rd World summit on Accreditation organized by National Board of Accreditation, during March 18th to 20th, 2016 at New Delhi.
3. Presented a paper titled “Synergy between Engineering institutes and industries in India in the 2nd World summit on Accreditation organized by National Board of Accreditation, during March 18th, 2014 at New Delhi.
4. Participated in the 1st World summit on Accreditation organized by National Board of Accreditation, during March 25th to 28th, 2012 at New Delhi.
5. Participated in International conference on Geotechnique, Construction Materials and Materials and Environment on 14th – 16th November 2012 in Kuala Lumpur, Malaysia.
6. Participated in International conference on Renewable Energy Technologies and pre conference workshop on “Research Perspective on Solar PV and Wind Energy Systems, Held at PSG College of Technology, Coimbatore during 15th – 17th December 2011.

7. Presented a Paper in International conference on “Energy and Environmental Technologies for sustainable development” held at Malaviya National Institute of Technology (MNIT), Jaipur on 10th October 2003.

Participation / Presented in National conferences:

1. Presented a Paper titled “Rapid Heat Treatment Process Using Microwaves-A Novel Approach” in Advanced Manufacturing-Processes conference, during 26th October 2016 organized by Qatar Foundation.
2. Participated in the 102nd Indian Science Congress organized by The Indian Science Congress Association, during 3rd to 7th January, 2015 held at University of Mumbai, Mumbai.
3. Presented a Paper titled “Emission Control –Newer approaches and Challenges” in National Seminar on “ Automobile Emissions Monitoring and Control” organized by Annamalai University ,Department of Mechanical Engineering during 15th – 16th March 2002.
4. Participated and presented a paper in the National Renewable Energy Convention -2001 during 27th to 29th December 2001 organized by Department of Mechanical Engineering, Regional Engineering College, and Warangal.
5. Attended national Conference on Commercialization Aspects of Renewable Energy Sources (CARES -2000) organized by department of Renewable Energy Sources , College of Technology & Agricultural Engineering , Agricultural University during the period of 28th to 29th April 2000.

Participation in Seminar SDP / FDP / Workshops / Training Programmes:

1. Attended Industrial Economist’s Golden Jubilee seminar organized by Industrial economists at ITC Grand chola Chennai on 15th March 2018.
2. Attended Institution of Engineers Sponsored Programme on “Today’s students are tomorrow’s Future” organized by Institutions of Engineers, Kancheepuram Chapter on 24th March 2018.
3. Attended Bridge ’18 a one day conference on “ Academics Bridges 2018 “organized by ICT Academy at ITC Grand chola Chennai on 28th March 2018.

4. Attended Seminar on “Elsevier Connect Seminar” organized by Elsevier Connect on 20th December 2017 at Hotel Aloft, Chennai.
5. Attended Two days training programme on “Automotive technology “ Organized by Goodwin Motors , Chennai on 12th and 13th September 2017.
6. Attended Two Days 6th National Summit on Education... Employability Employment, Entrepreneurship (4 E’s) organized by Society for Educational and Entrepreneurship Development held at IIT Madras on 20th and 21st September, 2017.
7. Attended AICTE sponsored Faculty Development Programme on “Processing and Characterization of composite materials including Natural Fiber Re-inforced composites organized by Department of Mechanical Engineering, Sri Sairam institute of Technology during the period of 18th to 31st March 2015.
8. Attended workshop on “ Role of Lean Manufacturing on Organization Competitiveness” organized by Department of Mechanical Engineering, Sri Sairam Engineering College on August 28 , 2014.
9. Attended TEDA sponsored International Workshop on Renewable Energy , Climate Change & Energy Management (RECCEM -2013) organized by Anna University , Chennai during the period of 24th to 25th January 2013.
10. Attended National workshop on Machine Learning for Mechanical Engineers organized by School of Mechanical and Building Sciences, VIT Chennai on 25th February 2012.
11. Participated in One day workshop on “Finite Element Analysis Tools and its applications” Organized by Department of Mechanical Engineering, Sri Sairam Engineering College during held on 19th July 2012.
12. Participated in the Short term training Programme on “Self Awareness and Higher Goals in Education” Organized by the Centre for Continuing Education, Indian Institute of technology, Madras during the period of 21st –25th June 2011.
13. Attended Basic Life support and First Aid Skills training organized by Department of Mechanical Engineering, Sri Sairam Engineering College in association with Usha Fire safety Equipments on 19th September 2009.
14. Participated in Indo –German Workshop on “Major Aspects of Energy Research in India and Germany: the Challenges for the future (IGWS -2007) Organized by Institute for Energy studies, Anna University, Chennai during 20th–21st June 2007.

15. Participated in Two days workshop on “Renewable Energy Sources” Organized by Arupadai Veedu Institute of Technology, Vinayaka Missions University, on 15th to 16th February 2007.
16. Attended technical seminar on Wind Electric Generation Technology –Education Module organized by Koyo- Sales Service Company on 28th January 2006 at Madras Boat Club, Chennai.
17. Participated In intensive training programme on “Renewable Energy Technologies for Engineering and Educational Institutions” Jointly Organized by the Solar Energy Centre & Ministry of Non-Conventional Energy sources, Chennai during 3rd to 5th August 2006.
18. Participated in AICTE – ISTE sponsored Short term training programme on “ Advanced Energy Technologies” Organized by the Department of Mechanical Engineering , IIT Madras, during 20th-24th December 2004.
19. Participated in AICTE sponsored One day workshop on “Environment & Pollution Awareness” Organized by RMK Engineering College, on 12th July 2004.
20. Attended AICTE sponsored National workshop on “Taguchi Method based Quality Engineering Techniques “, held at Arunai Engineering College, during 16th – 20th February 2001.
21. Attended AICTE sponsored Quality Improvement Programme in a short term course on “Renewable Energies for Rural Areas “organized by Centre for Continuing Education, Indian Institute of Science, Bangalore during the period of 29th May to 9th June 2000.
22. Participated in the winter school on “Cogeneration and waste heat recovery” conducted by the Department of Mechanical Engineering, Anna University ,Madras during the period 5th to 18th December 1993.
23. Participated in the 3 – day programme on “Industry –Institute –Participation” conducted by Mookambiga College of Engineering, during the period of 19th to 21st January 1995.
24. Participated in the Winter school on “Advanced Energy Conversion Technologies and Energy Management” Organized by the Department of Mechanical Engineering , Vellore Engineering College during the period of 7th to 12th December 1998.
25. Participated in the short term course under FDP Programme on “Advances in Heat Exchangers” Organized by the Department of Mechanical Engineering, Centre for Continuing Education, Indian Institute of technology, Madras during the period of 16th to 20th December 1996.

Funded / Sponsored Research Projects undertaken:

S.No.	Title	Sponsoring Agency	Period	Amount (Rupees)	Project Status
1.	Development of a green Energy farm by designing and developing Shrouded Hydrofoil Horizontal Axis Hydro – Kinetic water turbine.	Department of Science and Technology, (DST), New Delhi	3 years 2015-18	33,69,000	Completed
2.	Development of appropriate rural sanitation with reference to sledge treatment.	Ministry of drinking water and Sanitation , Swachh Bharat Mission (Gramin) Divison, Govt. of India	2 years 2015-17	17,66,300	Completed
3.	Study on the Influence of Cryogenic treatment on Aluminum alloys and its composites during solidification and after solidification in material property modification suitable for aerospace applications – Research Promotion Scheme(RPS).	Research Promotion Scheme AICTE	3 years 2015-18	12,94,118	Completed
4.	Innovation and Entrepreneurship Development Centre (IEDC).	Department of Science and Technology (DST), New Delhi	2012-17	45,50,000	Completed
5.	Solar Photovoltaic Powered PCM Integrated Cooling system for fruits / Vegetables preservation in remotelocations	Research Promotion Scheme AICTE	2 years (2010-11)&(2011-12)	3,75,000	Completed
6.	Treatment of Bio-Gas and Increasing Efficiency of Methane.	Department of Science and Technology	2 Years (2010-11)&(2011-12)	3,72,000	Completed
7.	Development of PCM assisted cold Storage flask for First AID Kit.	TNSCST	2017-18	10,000	Completed
8.	Auto Sensing Car door lock to prevent accidents.	TNSCST	1 year (2010-11)	6,000	Completed

9.	Design and fabrication of cycle for physically challenged by replacing rotary motion with reciprocating motion.	TNSCST	1 Year (2006-07)	5,000	Completed
10.	Design And Fabrication of Multi Level Automatic Car Parking System.	TNSCST	1 Year (2008-09)	50,000	Completed
11.	Design and fabrication of above knee prosthesis for physically challenged.	TNSCST	1 Year (2004-05)	5,000	Completed
12.	Upgradation of I.C Engine Lab by establishing computerised Engines for Bio-fuels	MODROBS Scheme of AICTE	1 year (2010-11)	5,50,00	Completed
13.	Establishment of Flexible Manufacturing System	MODROBS Scheme of AICTE	1 year (2009-10)	10,000,00	Completed
14.	Development of Flexible Fuel Engine	Ford India Ltd.	2 Years (2008-10)	2,00,000	Completed

Consultancy Projects:

S.No	Area of Work	Sponsoring Agency	Period	Amount (Rs.)
1.	Boiler performance analysis	Super Sea foods	2016-17	40,000
2.	Plant process study and optimization.	Klas Engineering	2010-11	11,000
3.	Manufacturing process optimization.	We two Engineering	2008-09	18,000
4.	Experimental Investigations on latent Heat Thermal Energy storage Unit (LHTS)	Sapthagiri Educational Trust	2002-03	7,000

Membership in professional Societies:

1. Life member in “The Indian Society for Technical Education”.
2. Life member in “Solar Energy Society of India”.
3. Fellow member in “The Institution of Engineers (India)”.
4. Member in “Confederation of Indian Industry (CII)”.
5. Member in “Society of Automotive Engineers SAE)”.