SRI SAI RAM ENGINEERING COLLEGE

Profile of Dean Students Affairs

1.Name:Dr .A. Rajendra Prasad

2.Designation — Dean of Students Affairs

3.Qualification — M.E., PhD., FIE.,

4.Postal Address — Sri Sai Ram Engineering College,
Sai Leo Nagar, West Tambaram
Chennai - 600044 Tamil Nadu

5.Phone Numbers — (044) 22512222 Extension: 205
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Employment Experience:

Sl.No	Position & Organization	Nature of job profile	Period
1.	Dean of Students affairs, Sri Sai Ram Engineering, College, Chennai -600 044.		2021 to till date
2.	Principal Sri Sai Ram Engineering, College, Chennai -600 044.	Heading the Administration activities of the Institution.	2018 to 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.	1998 to 2018
4.	Assistant Professor/ Sathyabama University, Chennai.	Giving lectures and conducting practical classes for UG and PG Engineering students.	1995 to 1998

4.	Lecturer / Mookambigai College of Engineering,Trichy.	Giving lectures and conducting practical classes for UG and PG Engineering students.	1992 to 1995

List of Publications:

International Journal Publications (SCI/SCOPU):

1. **A. Rajendra Prasad, Natarajan**, E, published a paper entitled "Optimization of integrated photovotaic—wind power generation systems with battery storage", Energy, Vol.31 (2006) 1607-1618.

2. B.Vijaya Ramnath,S.Junaid Kokan, R.Niranjan Raja,R.Sathyanarayanan, C.Elanchezhian, **A.Rajendra Prasad**,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. Karthik Babu 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, Prasanna Venkatesh 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, July2017, Pages 25–36.

8. **A. Rajendra Prasad**,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. Anand Chakaravarthi, 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. Anand Chakaravarthi, 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, Priyadarshi Dutt, M.C. Anand Chakaravarthi, 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. Anand Chakaravarthi, Priyadarshi Dutt, 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.Vinithra Banu, T. Vignesh, I. Aatthisugan, published a paper entitled "Synthesis and Thermal Energy Storage Analysis of Copper Oxide Nano fluid for Heat Transfer Applications" International 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 Augest 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 roof top 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).

28. Performance of solar still powered water recovery system from moist air, **AR Prasad**, V Jaiganesh, SS Babu, AM Shanawaz, TV Muni, V Venkatesh, Materials Today: Proceedings 62, 1765-1769

29. Mechanical behaviour of nano ceramic particles reinforced aluminium matrix composites, R Surakasi, **AR Prasad**, B Pattnaik, MV Rao, G Puthilibai, C Vibhakar, Materials Today: Proceedings 59, 1452-1456.

30. PDT treatment techniques using nano-composite material, SM Muramulla, LS Chethan, SS Kumar, D Gangodkar, **AR Prasad**, Materials Today: Proceedings 66, 1211-1215.

31. Performance improvement of solar still using phosphate granules as energy storing materials: An experimental study, **AR Prasad**, MEH Attia, M Sudhakar, R Sathyamurthy, AM Manokar, Desalination and Water Treatment 250, 16-26.

32. Time dependent behaviour of PMMA-toughened siliconized SiC strengthened glass-epoxy composite, Ravi Raj, B Vijaya Ramnath, **A Rajendra Prasad**, C Elanchezhian, Silicon 14 (8), 4129-4138.

33. Investigation on Mechanical and Thermal Properties of a Kenaf/Jute Fiber-Reinforced Polyester Hybrid Biocomposite, MD Albaqami, YD Dwivedi, N Krishnamoorthy, ML Kumar, LH Manjunatha, **A Rajendra Prasad,** Advances in Polymer Technology 2022.

34. Determination of Mechanical Behavior of Al – CNT, Bindu Madhavan Vijaya Ramnath, Chakravarthi Parswajinan, **Arani Rajendra Prasad**, Encyclopedia of Materials: Metals and Alloys, Volume 1, 2022, Pages 147-159

35. Analysis of a solar still with photovoltaic modules and electrical heater-Energy and exergy approach, **AR Prasad**, MM Athikesavan, AE Kabeel, MG Sumithra, R Sathyamurthy, Environmental Science and Pollution Research 29 (38), 57453-57465.

36. Experimental studies of solar still with tar-coated blue metal stones: Energy and exergy study, **RP Arani,** S Vaithilingam, K Selvaraj, A Afzal, Environmental Progress & Sustainable Energy, e13997.

37. Developing a dual axis photoelectric tracking module using a multi quadrant photoelectric device, ML Bharathi, V Bhatt, VVR Kumar, RJ Sharma, S Hemavathi, B Pant, **A Rajendra Prasad,** Energy Reports 8, 1426-1439.

38. Neural Network modelling for prediction of energy in hybrid renewable energy systems, JF Roseline, D Dhanya, S Selvan, M Yuvaraj, P Duraipandy, SS Kumar, **A Rajendra Prasad,** Energy Reports 8, 999-1008.

39. Performance analysis of tubular solar still with different water depths on corrugated and flat absorbers, **AR Prasad**, R Sathyamurthy, AE Kabeel, AK Thakur, AQUA—Water Infrastructure, Ecosystems and Society 71 (12), 1425-1439

40. Emission analysis of esterified mahua oil fuelled with DTBP blends in conventional diesel engine, NB Teja, K Natarajan, R Adireddy, **RP Arani**, S Meganathan, TA Tran, International Journal of Oil, Gas and Coal Technology 34 (2), 214-227.

41. Concentrator-assisted solar still for improving freshwater yield: an experimental approach, **AR Prasad**, R Sathyamurthy, AE Kabeel, M Sudhakar, Environmental Science and Pollution Research 30 (9), 24494-24505.

42. Transformer Monitoring and Security System Using IoT, S Anakal, SR Kar, A Sangeetha, P Sritha, D Satish, **AR Prasad**, 2023 3rd International Conference on Innovative Practices in Technology and Management (ICIPTM), Pages 1-6

43. Experimental studies of solar still with tar-coated blue metal stones: Energy and exergy study, **RP Arani**, S Vaithilingam, K Selvaraj, A Afzal, Environmental Progress & Sustainable Energy 42 (2), e13997

44. Floating Junction Analysis in Bifacial Pert Solar Cells, A Kumar, B Muthuraj, SK Joshi, BK Kumar, N Garg, **AR Prasad**, 2023 2nd International Conference on Applied Artificial Intelligence and Computing (ICAAIC), Pages1503-1510

45. Improvement of a Conflict Prediction Model on Highways using Deep Learning, Chitaranjan Dalai, P Manoj, M Beulah Viji Christiana, K Karthik, R Sathishkannan, Vikas Rathi, **A Rajendra Prasad**, 2023 2nd International Conference on Applied Artificial Intelligence and Computing (ICAAIC), Pages 518-527

46. Experimental study on double slope (DSl) and triangular pyramid (TPy) solar stills under the influence of latent heat storage material (LHSM), M Sudhakar, V Sundar, IU Farooq, AE Andrew, **AR Prasad,** MA Prakash, Materials Today: Proceedings, Publication date: 2023/9/4

47. Investigating single sloped (SSl) and square pyramid (SPy) solar stills using phase changing material (PCM), **A Rajendra Prasad**, V Harshith, R Harish, I Venkatesh, M Arul Prakash, S

Ravishankar, Materials Today: Proceedings, Publication date: 2023/9/4

48. Harnessing Applied AI: Transforming Industry and Business, Beulah Viji Christiana, Krishnamohan Reddy Kunduru, J Chandrasekar, B Charith, M Thangatamilan, **A Rajendra Prasad**, Applied AI and Humanoid Robotics for the Ultra-Smart Cyberspace, IGI Global, 2024, Pages 37-62

49. A Critical Review on the Performance of the Solar Stills with Modified Absorber, M Sudhakar, **Rajendra Prasad,** Nanotechnology Perceptions, 2024/9/26, Pages 240-250

50. Smart healthcare data protection and analysis through fuzzy-based cyber security, Mageshkumar Naarayanasamy Varadarajan, R Karthik, S Pradeep, Nabeena Ameen, S Venkatramulu, Singasani Tejesh Reddy, M Jogendra Kumar, A Rajendra Prasad, A Rajaram, Journal of Environmental Protection and Ecology, Volume 25, Issue 5, Pages 1604-1614

51. Optimising Energy Efficiency in Cloud based Big Data Environment Using LSTM-DWN Reinforcement Learning, G. B. Renuka, Sharavana Kanniyappan, S. Manjunatha, Sandeep Kumar, K. V. Varalakshmi, Kishori Chandrakant Budhale, Harshal Patil, **A. Rajendra Prasad**, A. Rajaram, Journal of Environmental Protection and Ecology, Volume 25, Issue 5, Pages 1594 – 1603

52. Sentiment Analysis from Social Networks in Movie Reviews for Wireless Communication, A. P. Shameer, K. P. Noufal, V. V. Haseeb, V. K. Minimol, Geeta T. Desai, Vivek Chidambaram, Pavan Kumar Ande, A. Rajendra Prasad, A. Rajaram, Journal of Environmental Protection and Ecology, Volume 25, Issue 5, Pages: 1555 – 1565

53. Water Absorption and Mechanical Behaviour of Bagasse Fibre and Particle-Reinforced Hybrid Composite Materials, **Arani Rajendra Prasad**, Ashwin Sailesh, Prabu Selvam, Supriya Menon M, U. Rajesh Kumar, P. Nantha kumar, Jayarama Pradeep, G. Nixon Samuel Vijayakumar, Jennifer D, Scientific Technical Medical Journal, 2024.

54. Comparative Study of Solar Still with Low-Cost Energy Storage Materials: Energy and Exergy Study, A Rajendra Prasad, Hagar Alm ElDin Mohamad, Mohammed El Hadi Attia, Kalaivani Selvaraj, Iranian Journal of Chemistry and Chemical Engineering, Volume 43, Issue 3, Pages: 1241-1251

Patents Filled/ Published / Granted:

Patent applied by	Title	Patent Adoption	Filed/ Published/ Granted	Patent / Design Registration Number
A. Rajendra Prasad, Department of Mechanical	A Computer Table with Adjustable	29/12/2022	Granted	350504-001

Engineering, Sri Sairam Engineering College				
A. Rajendra Prasad, Department of Mechanical Engineering, Sri Sairam Engineering College	A Steering Lock for Car Wheel	29/12/2022	Granted	350967-001
Dr.A.Rajendra Prasad Dean (R & D) Sri Sairam Engineering College,Chennai	PCM Assisted Cold Storage Flask	31.05.2017	Granted	201741019069 CBR No. 19773
Dr.A.Rajendra Prasad Dean (R & D) Sri Sairam Engineering College,Chennai	High Density Index Composite Material and Process for Preparing the same	17/02/2023	Published	202341002613
Dr.A.Rajendra Prasad Dean (R & D) Sri Sairam Engineering College,Chennai	An Assembly for Generating and Storing of Alternative Fuel in Internal Combustion Engine and Method Thereof	20/01/2023	Published	202341002129
Dr.A.Rajendra Prasad Dean (R & D) Sri Sairam Engineering College,Chennai	An Assembly With Mechanical Failure Detection of Selectively Laser Melted Components Constructed On-Site and Method Thereof	20/01/2023	Published	202341002128
Dr.A.Rajendra Prasad Dean (R & D) Sri Sairam Engineering College,Chennai	Environment-Friendly Vehicle Natural Fiber Composite Material and Preparation Method as Well as Application Thereof	18/11/2022	Published	202241060838
A. Rajendra Prasad, Department of Mechanical Engineering, Sri Sairam Engineering College.	Hybrid Pentagonal Pyramid Solar Still Integrated with PV/T system	27.11.2020	Published	202041049408
A. Rajendra Prasad, Department of Mechanical Engineering, Sri Sairam Engineering College.	Multipurpose Agriculture Vehicle	27.11.2020	Published	202041049407

Dr.A.Rajendra Prasad Dean (R & D) Sri Sairam Engineering College,Chennai	Prevention of Air Suffocation inside a car cabin using Mechatronic system.	31.05.2017	Published	201741019066
Dr.A.Rajendra Prasad Dean (R & D) Vishal Chandrasekar Sri Sairam Engg. College, Chennai	Bluetooth based Vehicle Engine control system	23.10.2013	Published	4784/CHE/2013
Dr.A.Rajendra Prasad Dean (R & D) Sri Sairam Engineering College, Chennai	Mobiline a mechanism for enhancing the functionalities of existing landlines.	23.11.2010	Published	3526/CHE/2010 A

Awards of appreciation received:

1. Received the "Best Dean Award" in National Faculty Awards 2023 organized by Novel Research Academy, Puducherry, India, which is an International Accreditation Forum (IFA), USA certified awarding agency.

2. 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.

3. 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.

4. 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.

5. 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.

6. 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.

7. 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.
8. 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.

9. 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.

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11. 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.

12. 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.

13. 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.

14. 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.

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16. 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.

17. 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.

18. Received Best teacher award from Sri Sairam Engineering College for the department of Mechanical Engineering during the academic year 2005 - 2006.

19. Received the Excellency award in teaching from the lions club of madras Metropolitan South during the teacher's day celebrations 2006.

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 remote locations	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.Life member in “The Institution of Engineers (IEI)”.
4.Member in “Confederation of Indian Industry (CII)”.
5.Member in “Society of Automotive Engineers (SAE)”.