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| Name | Dr.D.Arthur Jebastine Sunderraj |
| Designation | Assistant Professor |
| Contact details (Phone number & Official Mail ID) | +919894438883, arthurjebastinesunderrajd@stjosephstechnology.ac.in |
| Date of birth | 11.06.1986 |
| Qualification: | M.E., (Ph.D)., |
| Years of Experience: | Total of 14 Years |
| | Teaching: 14 |
| | Industry: Nil |
| Subjects handled: | Manufacturing Tech I & II, Design of Machine Elements, Testing of Materials, Metrology & Measurements Computer Integrated Manufacturing Systems, Process Planning and Cost Estimation, Production Planning and Control, Automobile Engineering, Engineering Economics Environmental Science and Sustainability Engineering Graphics Industrial Safety Industrial Engineering |
| Area of research: | Lead Free Soldering |
| Guide ship Details: | NA |
| Research Guidance: | NA |
| Awards and Achievements(Journal editors): | Best Paper Award 2013 Title: SEM & EDAX evaluation of 'al-fe' alloy Place: National conference on EDQUEST-13 held at Government College of Engineering, Tirunelveli. |

**Journal Publication
Details:**

- ◆ (2023) **Arthur Jebastine Sunderraj, D.** Ananthapadmanaban, D, Arun Vasantha Geethan, Kathiresan, 2022, "Mechanical testing and characterization of tin–zinc–antimony–lanthanum lead-free solders produced using mechanical alloying and furnace melting techniques", *Soldering & Surface Mount Technology*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/SSMT-03-2022-0018>
- ◆ (2022) M. Chrispin das, **D. Arthur Jebastine Sunderraj**, K. Arun Vasantha Geethan, D. Elilraja, T. Prabhuram, S. Prathapsingh, "Mechanical and moisture absorption behaviour of Woven pineapple leaf phenol formaldehyde composites" *Materials Today: Proceedings*, <https://doi.org/10.1016/j.matpr.2022.04.680>
- ◆ (2022) T. Prabhuram, S. Prathap Singh †, J. Immanuel Durairaj, D. Elilraja, M. Chrispin Das, **D. Arthur Jebastine Sunderraj** "Optimization of operation parameters in machining of functionally graded metal matrix composite using TOPSIS" *Materials Today: Proceedings*, <https://doi.org/10.1016/j.matpr.2022.03.562>
- ◆ (2021) **D. Arthur Jebastine Sunderraj**, J. Immanuel Durai Raj, K. Arun Vasantha Geethan, S.PrathapSingh, K.Narayanamoorthy "Study of tribological behavior of Al2024 by power metallurgy method" *AIP Conference Proceedings* 2395, 040008 (2021) <https://doi.org/10.1063/5.0068796>.
- ◆ (2020) K. R. Vignesh, S. Tharani Dharan, S. Yeswanth, Dr. K. Arun Vasantha Geethan, **Mr. D. Arthur Jebastine Sunderraj** "Mechanical and Characteristics Behaviour of Iron and Aluminium Billets With Addition of Titanium" *International Research Journal of Engineering and Technology* September 2020.
- ◆ (2020) **Arthur Jebastine Sunderraj. D.** Ananthapadmanaban. D. Arun Vasantha Geethan. K, Johnrajan. A "Manufacture, Mechanical Properties and Microstructural Characterization of Aluminium and Iron Metal Matrix Composite Manufactured" *Trends in Manufacturing and Engineering Management, Lecture Notes in Mechanical Engineering* August 2020.
- ◆ (2019) Anantha padmanaban, **D. Arthur Jebastine Sunderraj**, K. Arun Vasantha Geethan titled "Intermetallic Formation and Characterization of Sn-Cu-Mn-Ag lead free solders" *IOP Conf. Series: Materials Science and Engineering* 770 (2020) 012013 IOP Publishing, doi:10.1088/1757-899X/770/1/012013. Scopus Indexed Journal.
- ◆ (2019) Sabarish Kumar P, **Arthur Jebastine Sunderraj D.** Arun Vasantha Geethan K, Harish Praveen, Gilbert, Performance Analysis of Diesel Engine using Copper Oxide Nano Additive, *International Journal of Engineering and Advanced Technology (IJEAT)*, 9(3), (2020) 3176-3179. ISSN: 2249-8958 <https://www.ijeat.org/wp-content/uploads/papers/v9i3/C6047029320.pdf>. Impact Factor : 5.97(B). Scopus Indexed Journal.
- ◆ (2019) **D. Arthur Jebastine Sunderraj**, Dr. D. Ananthapadmanaban, Dr. K. Arun Vasantha Geethan " Correlation Between Mechanical properties and Microstructure of Fe-Ti-Zn Alloys Fabricated by Powder Metallurgy" *Advances in Micro and Nano Manufacturing and Surface Engineering, Lecture Notes on Multidisciplinary Industrial Engineering*, https://doi.org/10.1007/978-981-32-9425-7_28. Scopus Indexed Journal.
- ◆ (2019) **Arthur Jebastine Sunderraj D.** Arun Vasantha Geethan K, Ananthapadmanaban D " SEM and EDAX Evaluation of Al-Fe Alloy" *International Journal of Engineering and Advanced Technology (IJEAT)*, ISSN:

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| | <p>2249 – 8958, Volume-9 Issue-1, October 2019. DOI: 10.35940/ijeat.A9881.109119 Impact Factor : 5.97(B). Scopus Indexed Journal.</p> <ul style="list-style-type: none"> ◆ (2019) D. Arthur Jebastine Sunderraj, D. Ananthapadmanaban Dr. K. Arun Vasantha Geethan, Sri Pranav Lakshman , Vasanthakumar. H " Characterization And Testing of 87sn-7zn-5.5sb-0.5 La And 87.5sn-7.5zn-4sb-1la Lanthanum Based Lead Free Alloys " International Journal of Scientific Research and Innovations XVII - ISSN 2455-7579. ◆ (2018) D. Arthur Jebastine Sunderraj, D.Ananthapadmanaban “ Feasibility of The Use of Zirconia Based Nanocoolant For Machining” International Journal of Innovations in Engineering and Technology (IJJET) http://dx.doi.org/10.21172/ijiet.104.03, ISSN: 2319-1058, Volume 10 Issue 4 July 2018, (015 to 019). ◆ (2018) D. Arthur Jebastine Sunderraj, D. Ananthapadmanaban, K. Arun Vasantha Geethan “Preparation, “Hardness studies and Characterization of 88 Sn-7.5Zn-2.5Al-2Ln and 88Sn-7Zn-2Al-2.5Ln lead free soldering alloys” IOP Conf. Series: Materials Science and Engineering 402 (2018) 012078 doi:10.1088/1757-899X/402/1/012078. ◆ (2018) D. Arthur Jebastine Sunderraj, D. Ananthapadmanaban, K. Arun Vasantha Geethan, ,”Characterization and testing of 87Sn-7Zn-5.5Sb-0.5La & 87.5Sn-7.5Ln-4Sb-1La Lanthanum based lead free alloys” Advances in Materials and Metallurgy, Lecture Notes in Mechanical Engineering, https://doi.org/10.1007/978-981-13-1780-4_30 |
| <p>Book and Chapter Publications:</p> | <p>D. Arthur Jebastine Sunderraj, Manufacturing Technology I, Chennai: ARS Publications, 2016. (ISBN: 978 -93- 84634- 71- 1)</p> |
| <p>International Conference:</p> | <ul style="list-style-type: none"> ◆ (2023) D. Arthur Jebastine Sunderraj, Yaknesh, “Microstructural Analysis on Effects of Tool Inclination of Aa6061 and Aa5083 Dissimilar Alloys” -"ICAMT 4.0" organized by Department Of Mechanical Engineering, Bannari Amman Institute of Technology, Sathyamangalam, Erode, held during March 23 & 24 - 2023. ◆ (2022) Dr. I. Merlin, D. Arthur Jebastine Sunderraj, S. Jeyani Shalu, “Synthesis of Cadmium Nanoparticles by Wet Chemical Route and Their Characterization” ICPCM-2022, SSN College of Engineering 07th & 08th March 2022. ◆ (2021) Prabhuram T, Immanuel Durai Raj J, Prathap Singh S, Elilraja D, Chrispin Das M, Arthur Jebastine Sunderraj D “Optimization of operation parameters in machining of Functionally Graded Metal Matrix Composite using TOPSIS” SSN College of Engineering 16th & 17th December 2021. ◆ (2021) Chrispin Das M, Arthur Jebastine Sunderraj D, Arun Vasantha Geethan K, Elilraja D, Prabhuram T and Prathapsingh S, Mechanical and Moisture Absorption Behavior of Woven Pineapple Leaf Phenol Formaldehyde Composites, ICEMMM-2021, SSN College of Engineering 16th & 17th December 2021. ◆ (2020) Arthur Jebastine Sunderraj.D Immanuel Durai Raj, Arun Vasantha Geethan, Prathap Singh, Narayanamoorthy, Study of Tribological Behavior of AL2024 by Power Metallurgy Method,(ICAMM21),SSN College of Engineering 8th to 19th February 2021. ◆ (2019) Sabarish Kumar P, Arthur Jebastine Sunderraj D, Arun Vasantha Geethan K, Harish Praveen, Gilbert, Performance Analysis of Diesel Engine using Copper Oxide Nano Additive, International Mechanical Engineering Congress (Imec 2019), NIT Trichy 29th November 2019 to 1st December 2019. ◆ (2019) Anantha padmanaban, D. Arthur Jebastine Sunderraj, K. Arun Vasantha |

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| | <p>Geethan Presented a paper titled “Intermetallic Formation and Characterization of Sn-Cu-Mn-Ag lead free solders” CMCE 2019 from 12th to 15th, 2019, Sanya, China.</p> <ul style="list-style-type: none"> ◆ (2019) D. Arthur Jebastine Sunderraj, D. Ananthapadmanaban, K. Arun Vasantha Geethan, A. John Rajan Presented a paper titled “Manufacture, Mechanical Properties and Microstructural Charcterization of Aluminium and Iron Metal Matrix Composite Manufactured” at SSN college of Engineering 25th & 26th April 2019. ◆ (2019) D. Arthur Jebastine Sunderraj, Dr. D. Ananthapadmanaban, Dr. K. Arun Vasantha Geethan " Challenges during manufacturing and use of lead free alloys" "ISERMAT2019" Department of Mechanical Engineering, SSN College of Engineering, Chennai 14th to 15th March 2019. ◆ (2019) D. Arthur Jebastine Sunderraj, Dr. D. Ananthapadmanaban, Dr. K. Arun Vasantha Geethan " Correlation Between Mechanical properties and Microstructure of Fe-Ti-Zn Alloys Fabricated by Powder Metallurgy" AIMTDR2018" Department of Manufacturing, Anna University, Chennai 13th to 15th December 2018. ◆ (2018) D. Arthur Jebastine Sunderraj, Comparative Hardness Studies and Microstructural Characterization of 87Sn-7Zn-3Al-3In and 87.5Sn-6 Zn-2Al-2.5 In Lead Free Soldering Alloys Conducted by ICEMMM2018, SSN College of Engineering 15th & 16th 2018. ◆ (2018) D. Arthur Jebastine Sunderraj, Preparation, Hardness studies and Characterization of 88 Sn-7.5Zn-2.5Al-2Ln and 88Sn-7Zn-2Al-2.5Ln lead free soldering alloya 2nd International Conference on Advances in mechanical Engineering () Department of Mechanical Engineering, SRM Institute of Technology 22nd to 24th March 2018. ◆ (2018) D. Arthur Jebastine Sunderraj, Characterization and testing of 87Sn-7Zn-5.5Sb-0.5La & 87.5Sn-7.5Ln-4Sb-1La Lanthanum based lead free alloys 3rd International Conference on Recent trends in Engineering and Technology (ICRTET-2018) Department of Mechanical Engineering, St. Joseph's Institute of Technology 4th May 2018. ◆ (2013) D. Arthur Jebastine Sunderraj, Dr. T. Vigraman “Aluminum & iron metal matrix composites with reinforced with intermetallic compounds and secondary phase particles “International Conference on RAMPT-13 held at National engineering college 7th to 9th January 2013, Kovilpati. ICAME2018 |
| <p><i>National Conference:</i></p> | <ul style="list-style-type: none"> ◆ (2019) D. Arthur Jebastine Sunderraj, Dr. K. Arun Vasantha Geethan, Martin Mano, Pugalenthe, " Formation of Inter Metallic Compound in Tin & Silver" RIAMS - 2019, Rajalakshmi Institute of Technology, Chennai 13th & 14th March 2019. ◆ (2019) D. Arthur Jebastine Sunderraj, Dr. K. Arun Vasantha Geethan, Donisha' " Study on Properties of Lead free solders" RIAMS - 2019, Rajalakshmi Institute of Technology, Chennai 13th & 14th March 2019. ◆ (2019) D. Arthur Jebastine Sunderraj, “Effect of lanthanum on the Microstructure and Melting property of composite material prepared by mechanical alloying” RIAMS - 2019, Rajalakshmi Institute of Technology, Chennai 13th & 14th March 2019. ◆ (2019) D. Arthur Jebastine Sunderraj, Dr. K. Arun Vasantha Geethan |

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| | <p>Mathumithan, Kishore, " Analysing of Lead free soldering" NCRAMS -2019, Rajalakshmi Engineering college, Chennai 15th & 16th March 2019.</p> <ul style="list-style-type: none"> ◆ (2019) D.Arthur Jebastine Sunderraj, Dr. K. Arun Vasantha Geethan, Nishanth, Mariselvam, " Corrosion and strength behavior of Lead free Alloys" RIAMS - 2019, Rajalakshmi Institute of Technology, Chennai 13th & 14th March 2019. ◆ (2018) D.Arthur Jebastine Sunderraj, Microstructure and strength analysis of alloying antimony with rare earth element, Recent Innovations in advanced material science -RIAMS18, Department of Mechanical Engineering, Rajalakshmi Institute of Technology. 30th & 31st March 2018 ◆ (2018) D.Arthur Jebastine Sunderraj, Investigation on Properties of SZBL Alloy, Recent Innovations in advanced material science -RIAMS18, Department of Mechanical Engineering, Rajalakshmi Institute of Technology.30th & 31st March 2018. ◆ (2013) D.Arthur Jebastine Sunderraj , T. Vigraman, "SEM & EDAX evaluation of al-fe alloy " National conference on EDQUEST-13 held at Government Engineering College (27th February 2013), Tirunelveli and WON THE BEST PAPER AWARD. |
| <p>Patent:</p> | <p>Title of the Patent: Method for performing of Zinc oxide nano particles using Lentinula Edodes mushroom and chitosan Aug 2023 Design No: 202341052666 Registered on: 01/09/2023</p> <p>Title of the Patent: Anti Vibration Pad for Machinery Jan 2023 Design No: 372287-001 Registered on: 13/01/2023</p> <p>Title of the Patent: Power Generating Swing In Two Directional Using Oscillator Block Mar 2021 Application Date: 17.03.21 Application Number: 202141011314 A Published on: 06.03.2021</p> |
| <p>FDP/Workshop/STTP attended:</p> | <p>Programme Name: Faculty development Programme on "Industrial Mecatronics" Place: Sathyabama Institute of science and technology Duration: Five Days (04th September 2023 to 8th September 2023)</p> <p>Programme Name: Faculty development Programme on "Mathematical Modelling and Computational Software" Place: Hindustan Institute of Technology Duration: Six Days (27th March 2023 to 01st April 2023)</p> <p>Programme Name: Faculty development Programme on "Futuristic Research" Place: SRM Institute of Science & Technology, Chennai Duration: Six Days (08th Aug 2022 to 13th Aug2022)</p> <p>Programme Name: Faculty development Programme on "Smart Materials and Manufacturing Systems" Place: Kings Engineering College, Chennai-117 Duration: Six Days (27th June 2022 to 02nd July2022)</p> <p>Programme Name: Faculty development Programme on "Research Insights in</p> |

Materials and Manufacturing (RIMM 21)”
Place: Velammal Engineering College, Chennai-66
Duration: One Week (13th December 2021 to 17th December 2021)

Programme Name: Faculty development Programme on Advances in strength of material and manufacturing Engineering
Place: AMET University, Chennai
Duration: One Week (06th December 2021 to 11th December 2021)

Programme Name: One Day Workshop on Advance Materials and Processing
Place: SSN College of Engineering, Chennai
Duration: 1 Day (30th November 2021)

Programme Name: Online National Workshop cum Faculty Development Programme on “A plagiarism shift on quality initiatives”
Place: Career College, Bhopal
Duration: 7 Days (26th July 2021 to 01th August 2021)

Programme Name: Online FDP on Industry 4.o, Application of Deep Learning and Artificial Intelligence in Computer Vision”
Place: St. Joseph’s Institute of Technology, Chennai
Duration: 5 Days (20th to 24th July 2021)

Programme Name: Online FDP on Innovation in Mechanical and Automation Engineering: Issues, Challenges and Solution”
Place: AMITY University , Jharkhand
Duration: 5 Days (21st to 25rd June 2021)

Programme Name: One Day Workshop on Nano Materials and their Applications
Place: SSN College of Engineering, Chennai
Duration: 1 Day (23rd January 2020)

Programme Name: Modern material and industry automation
Place: Sri Sairam Institute of Technology, Chennai
Duration: 6 Days (20th to 25th June 2020)

Programme Name: Heat Transfer and Computational Fluid dynamics towards Industrial application
Place: Sri Sairam Institute of Technology, Chennai
Duration: 7 Days (12th to 18th June 2020)

Programme Name: Insights into Quality Research and Innovation
Place: Vivekananda College of Engineering For Woman
Duration: 8 Days (13th to 20th May 2020)

Programme Name: Material Characterization Tools and Techniques
Place: Entupule Technologies, Calcutta
Duration: 7 Days (12th to 18th June 2020)

Programme Name: The Role of Smart Materials In Digital Manufacturing and Fourth Industrial Revolution (Factories For Future)
Place: KCG College of Technology, Chennai
Duration: 14 Days (10th to 23rd October 2019)

Programme Name: Coordinates One day seminar on “Emerging Technologies in the field of Ocean” (*In Observation of Royal Charters Day*)
Place: St. Joseph’s Institute of Technology, OMR, Chennai-600119

Duration: 1 Day (10th September 2019)

Programme Name: Coordinates Two Days All India workshop on “Manufacturing Application of Micromachining for Automobile Components” (IEI Sponsored Rs30,000)
Place: St. Joseph’s Institute of Technology , OMR,Chennai-600119
Duration: 2 Days (16th & 17th July 2019)

Programme Name: Two days FDP on Recent Developments in Engineering Materials and Nano Technology
Place: Tagore Engg. College, Chennai
Duration: 2 Days (10th to 11th December 2018)

Programme Name: Coordinates One day seminar on “Energy Conservation for Sustainable Development” (*In Observation of Energy Conservation Day*)
Place: St.Joseph’s Institute of Technology, OMR, Chennai-600119
Duration: 1 Day (10th September 2018)

Programme Name: Coordinates One day seminar on “Recent Advancements in Science & Technology” (*In Observation of Royal Charters Day*)
Place: St. Joseph’s Institute of Technology, OMR,Chennai-600119
Duration: 1 Day (20th September 2018).

Programme Name: CO-Ordinate Two Days all India workshop on “Optimization Tools and Intellectual Property Rights” (IEI Sponsored Rs30,000)
Place: St.Joseph’s Institute of Technology, OMR,Chennai-600119
Duration: 2 Days (23rd & 24th February 2018)

Programme Name: FDP on Engineering Mechanics
Place: St.Joseph’s Institute of Technology, OMR,Chennai-600119
Duration: 2 Days (8th to 9th December 2017)

Programme Name: FDP on Autodesk Inventor conducted by ICT Academy
Place: St. Joseph’s College of Engineering, OMR,Chennai-600119
Duration: 6 Days (13th to 18th June 2016)

Programme Name: One day workshop on Intellectual Property rights and innovations
Place: St. Joseph’s College of Engineering, OMR,Chennai-600119
Duration: 1 Day (4th October 2016)

Programme Name: Anna University certified FDP on Engineering Mechanics
Place: St. Joseph’s College of Engineering, OMR,Chennai-600119
Duration: 7 Days (9th to 16th Dec 2013)

Programme Name: CSIR Sponsored national level workshop on Recent Advances in Welding of Dissimilar Materials
Place: National Engineering College, Kovilpatti
Duration: 2 Days(19th & 20th April 2013)

Programme Name: CSIR Sponsored Two days workshop on “Application of Natural Fiber composites for the development of Rural Societies”
Place: National Engineering College, Kovilpatti
Duration: 2 Days(27th & 28th June 2012)

Programme Name: Two days familiarization program on Thermal Power Plant by National Power Training Institute
Place: SCAD Engineering College, Tirunelveli
Duration: 2 Days

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| | <p>Programme Name: Two Recent Trends in CAD/CAM/CAE Technology Place: CADDAM Technogies Duration: 1 Day</p> <p>Programme Name: Warranty Optimization, ORBITO energy efficient motors Place: Southers Railway Duration: 1 Day</p> <p>Programme Name: In plant Training on Erode Diesel Logo Shed Place: Southers Railway Duration: 6 Days</p> <p>Programme Name: Wind mill design, analysis, fabrication and erection Place: Government college of Tirunveli Duration: 2 Days</p> |
| <p><i>FDP/Workshop/STTP Conducted:</i></p> | <p>Agency: Institution Engineers of India Title: All India Workshops on Advanced Alloys Characterization and Its Applications Fund amount: Rs.50,000/- Co-Ordinator's: Dr.D. Arthur Jebastine Sunderraj & Dr. D. Eliil Raja</p> <p>Agency: Institution Engineers of India Title: All India Workshops on Lean Manufacturing to minimizing waste in Production systems Fund amount: Rs.30,000/- Co-Ordinator's: D. Arthur Jebastine Sunderraj & Dr. K. Arun Vasantha Geethan</p> <p>Agency: Institution Engineers of India Title: All India Workshops on FEA and FMEA in Mechanical Design Fund amount: Rs.30,000/- Co-Ordinator's: D. Arthur Jebastine Sunderraj & Dr. K. Arun Vasantha Geethan</p> <p>Agency: Institution Engineers of India Title: One Day Workshop on Smart Materials in Industrial Application Fund amount: Rs.10,000/- Co-Ordinator's: D. Arthur Jebastine Sunderraj & Dr. K. Arun Vasantha Geethan</p> <p>Agency: Institution Engineers of India Title: Emerging Technologies in the field of Ocean Fund amount: Rs.2,500/- Co-Ordinator's: D. Arthur Jebastine Sunderraj & Dr. K. Arun Vasantha Geethan</p> <p>Agency: Institution Engineers of India Title: All India workshop on Manufacturing Application of Micromachining for Automobile Components Fund amount: Rs.30,000/- Co-Ordinator's: D. Arthur Jebastine Sunderraj & Dr. K. Arun Vasantha Geethan</p> <p>Agency: Institution Engineers of India Title: Energy Conservation for Sustainable Development Fund amount: Rs.2,500/- Co-Ordinator's: D. Arthur Jebastine Sunderraj & Dr. K. Arun Vasantha Geethan</p> <p>Agency: Institution Engineers of India Title: Recent Advancements in Science & Technology Fund amount: Rs.2,500/- Co-Ordinator's: D. Arthur Jebastine Sunderraj & Dr. K. Arun Vasantha Geethan</p> <p>Agency: Institution Engineers of India Title: All India Workshop on Optimization Tools and Intellectual Property Rights</p> |

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| | Fund amount: Rs.30, 000/- Co-Ordinator's: D. Arthur Jebastine Sunderraj & Dr. K.Arun Vasantha Geethan |
| <i>Online Courses:</i> | <ul style="list-style-type: none"> • D.Arthur Jebastine Sunderraj has completed NPTEL Course on “Introduction to Environmental Engineering and Science - Fundamental and Sustainability Concepts” 12 Week Course Equivalent to 1 Week FDP. • D.Arthur Jebastine Sunderraj has completed NPTEL Course on “Introduction to Research” 8 Week Course Equivalent to 1 Week FDP. • D.Arthur Jebastine Sunderraj has completed Covid-19 Awareness program organized by Department of Applied science and Humanities , Rajkiya Engineering College, Ambetkar Nagar, Uttra Pradesh on 28.04.2020. • D.Arthur Jebastine Sunderraj has completed Developing Thinking abilities relevant for Engineering Education. By Face prep Help on 28.04.2020. • D.Arthur Jebastine Sunderraj has participated in an online webinar on “ How to Get Published In Scientific Journal : From Research to Publication “ on 27/04/2020 from 4PM to 5PM hosted b MHRD - Institute Innovation Council - Sri Sai Ram Institute of Technology , Chennai -44 , Tamilnadu . • D.Arthur Jebastine Sunderraj has participated in an online webinar on “ The Art of Writing Research Papers” organized by Chennai Institute of Technology, Chennai 29.04.2020. • D.Arthur Jebastine Sunderraj has participated in the event “QUIZANTHON – Online Mechanical Quiz” organized by Department of Mechanical Engineering, A. V. C. College of Engineering on 07.05.2020. • D.Arthur Jebastine Sunderraj has attended online webinar on “ Effective Conduct on Online Classes” organized by Sri Eswar College of Engineering, Coimbaore. on 08.05.2020. |
| <i>Funded Projects:</i> | Nil |
| <i>Consultancy work:</i> | <p>SSP Engineering Services, Pudhucherry Feb 2023 Title: Testing the Defects in Concrete using Rebound Hammer Test and Thermal Imaging Technique Fund Sanctioned: Rs10,000/-</p> <p>Best Infraa, Karur Title: Improved Cooling Load Prediction Method For Buildings Fund Sanctioned: Rs10,000/-</p> <p>Sintex BAPL Ltd., Chennai Title: N251 – Fuel tank hot plate welding machine Fund sanctioned: Rs.6,96,000/-</p> <p>TVS- Chennai Title: Revamping of HCI Shroud welding heater Fund sanctioned: Rs 2,00, 000</p> <p>TVS- Chennai Title: Hot Welding SPM For NTorq Fuel Tank Fund sanctioned: Rs 6,50,000</p> <p>SINTEX- BABL , Chennai. India Title: Auto lifter system using Pneumatic automation Fund sanctioned: Rs 54,000</p> |

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| | SINTEX- BABL , Chennai. India Title: Hyundai Verna Dashboard Vision Inspection poke yoke system Fund sanctioned: Rs 1,15,000 |
| <i>Professional Body Membership:</i> | <ul style="list-style-type: none">• Executive Committee member of Institution of Engineers (IEI), Kanchipuram local center, India.• Life time Member of International Association of Engineers (IAENG), Hong Kong.• Life time Member of Indian Society for Technical Education (MISTE), India. |