

PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF FRESHMAN ENGINEERING

**RESEARCH PAPER PUBLICATIONS (SCIE, ESCI & SCOPUS)
(A.Y: 2023-2024)**

SCIE & SCOPUS:

1. Gangadhar, K., Prameela, M. & Chamkha, A.J. published a paper titled, "Exponential Space-Dependent Heat Generation on Powell-Eyring Nano-liquid under Nonlinear Thermal Radiation", Indian Journal of Physics, ISSN: 0973-1458, volume:97, issue:8, pp:2461-2473
2. Somaiah Nalla, Y. Pavani, Gollapudi Ravi Kumar, Poodari Sumalatha, Tasqeeruddin Syed and Mannam Subbarao published a paper titled, "Design, Synthesis, Anticancer evaluation, and Molecular Docking Studies of 1,3,4-Thiadiazole bearing 1,3,5-Triazine-Thiazoles" Synthetic Communications, Vol.54. Issue.4. ISSN: 1532-2432, pp. 268-281
3. Kotha Gangadhar, M. Prameela, & Ali J. Chamkha published a paper titled, "Thermally Radiated Micro-polar fluid with Space-dependent heat source: Modified Cattaneo-Christov heat flux theory" Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, Vol.237, Issue.6, ISSN: 2144-2156
4. Dr. Kavuri K. S. V. A. Satheesh, Mrs. T. Krishna Sree published a paper titled, "Enhancing Security Using Secure Authentication Model in Fog Computing Model" in Wireless Personal Communications, an International Journal of Springer. EISSN:1572-834X, Volume 130, Issue 02, pp: 909-933

SCOPUS:

1. Dr. Srilakshmi Movva, Christopher Rajasekaran W, Polisetti C. Viswanath, Jayasree Tati, Rambabu Basireddi, Siva Nagaiah Bolleddu have published a paper titled, "Transcending Patriarchal and Cultural Construct in Bapsi Sidhwa's The Pakistani Bride in Theory and Practice in Language Studies, ISSN 1799-2591, Vol. 13, No. 8, pp. 2070-2075, August, 2023
2. G. Sreedevi, T. Pullarao, S. K. Khaja Muswareen, S. Suresh, P. Vijaya Sirisha, , Ch. Rajyalakshmi, V. Jayalakshmi published a paper titled, "Hydrothermal Synthesis and Micro-Structural, Optical and Luminescence Properties of Core-Shell Hetero Structure CdS/Zn₃(PO₄)₂ Nanocomposite in Asian Journal of Chemistry; ISSN : 0975-427X, Vol. 35, No. 8 (2023), 1836-1842
3. Vyakaranam, Seethamahalakshmi, Leelavathi, R., Rao, T.S., Gurrampati, V.R.R., Samuel, O.A. published a paper titled, "Soret-Dufour Mechanisms on Unsteady Boundary Layer Flow of Tangent Hyperbolic and Walters-B Nanoliquid a journal of Advanced Research in Fluid Mechanics and Thermal sciences ISSN:2289-7879, Vol 108, Issue 1, page no.13-27, July, 2023.

4. Seethamahalakshmi, V., Babitha, Rao, T.S., Reddy, G.V.R. published a paper titled, "Computational Study of MHD Nanofluid Flow with Effects of Variable Viscosity and Non-uniform Heat Generation". a Int. Appl. Comput. Math, ISSN:2349-5103, EISSN:2199-5796, Vol:124, Issue9, 2023, pp. 1-11, September, 2023.
5. Purnachandra Rao Alapati, Vijaya Lakshmi Mandava, Rupajhansirani Ch., Naga Raju B. published a paper titled, "Enhancing Employability Skills Through Communication in the ESP Classroom". Theory and Practice in Language Studies, Vol. 13, No. 11, pp. 2898-2909, November, 2023. ISSN: 1799-2591
6. Dr. Franciskus Antonius, Purnachandra Rao Alapati, Mahyudin Ritonga, Dr. Indrajit Patra, Yousef A. Baker El-Ebiary, Myagmarsuren Orossoo, Manikandan Rengarajan published a paper titled, "Incorporating Natural Language Processing into Virtual Assistants: An Intelligent Assessment Strategy for Enhancing Language Comprehension" (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 14, No. 10, 2023. pp. 741-753
7. R. Chudamani, K. Rama Prasad, K. Krishna Rao, U.M. Swamy published a research paper titled, "Representation of ABA's by Section of Sheaves", International journal of Analysis and Applications', Vol. 21, 2023, ISSN- 2291-8639, 105 -114
8. Joyanta Sarkar, Anil Rai, Kayala Kiran Kumar, Venkata Nagaraju Thatha, Sowmiya Manisekaran, Sayantan Mandal, Joy Lal Sarkar and Sudeshna Das published a paper titled, "Folk Music Recommendation Using NSGA-II Optimization Algorithm" Journal of Computer Science Volume 19 No. 12, 2023, 1541-1548
9. Rajesh Varma Bhupatiraju, B Srinivasa Kumar, Pavani Peddi and Venkata Swamy Tangeti, published a paper titled, "An effective HPLC method for evaluation of process related impurities of Letemovir and LC-MS/MS characterization of forced degradation compounds" Journal of Chemical Metrology. Volume 17:2 (2023) pg.no: 181-198, December 14, 2023
10. V. Sita Mahalakshmi¹, R. Leelavathi^{2,*}, T. S. Rao³, P. Naga Santoshi⁴, G. V. R. Reddy³, Oke published a paper titled, "MHD Slip Flow of Upper - Convected Casson and Maxwell Nano fluid over a Porous Stretched Sheet: Impacts of Heat and Mass Transfer" CFD Letters, ISSN: 2180 - 1363, December 12, 2023, CFD Letters 16, Issue 3 (2024) 96-111
11. R. Leelavathi, V. Seethamahalakshmi, D. Vijaya Kumar, T. S. Rao, G. Venkata Ramana Reddy, *Abayomi Samuel Oke published a paper titled, "MHD Casson Fluid Flow in Stagnation Point over an Inclined Porous Surface. ISSN: 2180-1363, CFD Letters 16, Issue 4 (2024) 69-84
12. Rangamani, T.P., Srinivasulu, M., Sreedevi, G., Srinivas, T published a paper titled, Optimization and Removal of Heavy Metals from Groundwater Using Moringa Extracts and Coconut Shell Carbon Powder. Rangamani, T.P., Srinivasulu, M., Sreedevi, G., Srinivas, T. in International Journal of Experimental Research and Review, 30-Dec-2023, 36, pp. 89-98, ISSN: 2455-4855.
13. Dr. S. Lakshmi Tulasi, Dr. P. Sumalatha, Dr. Shaheda Niloufer, Dr P. Pavani, and Dr. N. Usha Rani published a paper titled, 'Biosynthesis of Zinc Oxide Nanoparticles from Schrebera Swietenoides Roxb. Leaves Extract and their Potent Photocatalytic Activities', in Asian Journal of Chemistry, ISSN No. 0970 - 7077, Volume 36, Issue 1 Page No. 44 - 48, January 2024

14. Somaiah Nalla, Y. Pavani, Gollapudi Ravi Kumar, Subbarao Manam published a paper titled, "Synthesis and biological evaluation of amide derivatives of 1,2,4-thiadiazole – thiazole pyridine as anti - cancer agents" Chemical Data Collections. Vol.49, 101108
15. Alla. Venkata Ranga Surya Prasad, Leela Santi Parigi, A.Chandra Sekhara Babu published a paper titled, "Power-Optimized Information Systems for Mobile Robotics in Physical Processes" Vol. 16 No 1, 01015 February, 2024.
16. V. S. N. Malleswari, M. Babu Prasad, Kothuru Bhagya Lakshmi, M. Aruna Kumari, M.Sireesha published a paper titled, "MBJ-Neutrosophic WI Ideals in Lattice Wajsberg Algebra". Journal of International Journal of Neutrosophic Science, (2024); 23 (3): 131-139, ISSN:2690-6805.
17. Venkateswaran, N., Kiran Kumar, K., Maheswari, K., Vijaya Kumar Reddy, R. and Boopathi, S. published a paper titled, "Optimizing IoT Data Aggregation: Hybrid Firefly-Artificial Bee Colony Algorithm for Enhanced Efficiency in Agriculture " in AGRIS online Papers in Economics and Informatics, Vol. 16, No. 1, pp. 117-130. ISSN 1804-1930
18. Dr. N. Usha Rani, Dr. P. Pavani, Dr. S. Lakshmi Tulasi published a paper titled, "Isotherm and Kinetic Studies on Adsorption of Yellow Azo Dyes (Sunset Yellow, Tartrazine) using Kigelia Africana (Lam.) Benth., Leaf Extract Mediated Iron Nanoparticles" in Toxicology International, volume 31 issue 1 page no:19-32
19. Prasada Rao, P., & Usha Rani, N. published a paper titled, "Anticancer Potential of Gold doped ZnO, Nanoparticles Fabricated using Root Extract of Kigelia Africana (Lam.) Benth. Against Lung (A549), Melanoma (A375) and Epidermoid (A431) Cancer Cells" Asian journal of chemistry volume 36 issue-3 page no:586-592.
20. Pavani Peddi, Nannapaneni Usha Rani, and S. Lakshmi Tulasi published a paper titled, "Impurity Profiling and a Stability Indicating Advanced Liquid Chromatographic Method Development and Validation for the Estimation of Related Impurities of Anagrelide" in Asian Journal of Chemistry, Vol.36, No.2, pg.no: 325-330, 31 January2024.<https://doi.org/10.14233/ajchem.2024.30785>.
21. Kumar, R.S., Prasad, V.B.V.N., Chudamani, R., Ramesh, M. published a paper titled, "Product of Semi – Lattices of Certain Graphs" in the journal 'Communications on Applied Nonlinear Analysis', ISSN: 1074-133X, Vol 31 No.1 (2024), 231-237
22. Rehena. Sk, Waheed Shafiah, Rama Devi. A., Naheed Saba, Sania Rizwan, Afsha Jamal, N. Vineela published a paper titled, "The Effectiveness of a Strategy Training Course in Enhancing Language Skills of Indian Engineering Students" Theory and Practice in Language Studies, Vol.14. Issue.6, ISSN: 1799-2591, pp: 1631-1643

SCOPUS CONFERENCE PROCEEDINGS:

1. Rajkumar, R. Ramineni, Chudamani & Kumar, D.S. published a conference paper titled, "Energy storage system control scheme based on pertained adaptive dynamic programming for PSO's" in the 7th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2023 - Proceedings, 2023, pp. 947–951 ISBN:979-8-3503-4148-5
2. Selvi, S, Rompicharla, L.N.C & Ramineni, Chudamani published a conference paper titled, "Secure data transmission for communication systems using IOT" in the 7th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2023 - Proceedings, 2023, pp.1294-1299 ISBN:979-8-3503-4060-0.

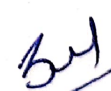
3. F. Antonius Alijoyo, S. S. Sneha Sri, Purnachandra Rao Alapati, D. Yuldashev and Ponni Valavan M, published a conference paper titled, "Ethical Considerations in Explainable AI: Balancing Transparency and User Privacy in English Language-based Virtual Assistants," 2024 5th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV), Francis Xavier Engineering College, Tirunelveli, India, held on 11th and 12th March, 2024, pp. 399- 406, (Scopus & IEEE)
4. Purnachandra Rao Alapati; Joy Christy Lawrance; Priya Sambath; Rekha Murugan; Manikandanngarajan; I Infant Raj; B Kiran Bala published a paper titled, "Cross-Lingual Transfer Learning in NLP: Enhancing English Language Learning for Non-Native Speakers," 2024 10th International Conference on Communication and Signal Processing (ICCSP), Adhiparasakthi Engineering College, Melmaruvathur, Tamilnadu, India, 12-14 April, 2024, ISSN: 2836-1865, pp. 1042-1047, (Scopus & IEEE)

ESCI (Web of Science):

1. Dr A Purnachandra Rao published three poems, 'Nature, the mother', 'Human Action', and 'Nature, the Rebellion' in Literary Voice: A Peer Reviewed Journal of English Studies, Volume: 1. Issue 21. September, 2023. ISSN: 2277-4521. pp:466- 467
2. Ch LDS Narayana Gupta, Y. Pavani, N Murali Krishna and Subbarao M published a paper titled, "In vitro Insecticidal activity of Homonia riparia Lour leaf extract for use in controlling Aedes aegypti Populations" in International journal of Mosquito Research, Vol.10. Issue.5, ISSN: 2348-5908, pp. 40-45
3. M. Sivamala, P.V. SrinivasaRao, K. Kiran Kumar published a paper titled, "Partial Γ -Semimodules over Partial Γ -Semirings" in Punjab University Journal of Mathematics, Vol.56, Spl. Issue. 1-2, ISSN:1016-2526, pp. 1-6

Book Chapter (Scopus indexed):

1. Dr. A. Purnachandra Rao published a book chapter titled, "Life Skills for the SelfGrowth of students" in the book, "Life skills in the Contemporary Education systems: Exploring Dimensions" Ed. Pooja Gupta published by Nova Science Publishers, Inc., New York, USA, August, 2023. pp. 1-15. ISBN: 979-8-88697-833-9.


 Head
 Freshman Engineering Department
 PVP Siddhartha Institute of Technology
 Kanuru, VIJAYAWADA-520 007.

PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF FRESHMAN ENGINEERING

RESEARCH PAPER PUBLICATIONS (Others)
(A.Y: 2023-2024)

Book Chapters (Others):

1. Dr. G. Nagaraju and Dr. P. Padmaja published a chapter titled, "relationship between glucose and diabetes using correlation coefficient test" in the book titled, "Emerging Technologies Unveiled applications of block Chain", AI and IOT across Science & Technology, First edition:2024 ISBN: 978-81-19681-89-1
2. Dr A Rama Devi and Dr Sk Rehena published a chapter titled, "Sociological and Psychological issues in Manju Kapur's Difficult Daughters" in the book titled "Bridging the Gaps: Intersections of Literature and Language studies" published by Authors Press Publishers of Scholarly & Creative Books & Journals." ISBN: 978-93-6095-265-5
3. Dr. Sk. Rehena and Dr. A Rama Devi published a chapter titled, "A Realistic Portrait of the Modern Marriages in Sudha Murthy's House of cards" in the book titled "Bridging the Gaps: Intersections of Literature and Language studies" published by Authors Press Publishers of Scholarly & Creative Books & Journals." ISBN: 978-93-6095-265-5

International Journals (Others):

1. Dr. T. Preethi Rangamani published a paper titled, "Examination Of Powdered Coconut Shell Carbon as An Eco-Friendly Water Treatment Technique to Eliminate Heavy Metals from Underground" in the United International Journal of Engineering Science. ISSN:2582-5887; Volume-5, Special issue 2(January-2024); Impact factor:6.71 (SJIF)
2. Dr P.T.S.R.K. Prasada Rao, and Dr. N. Usharani published a paper titled, "Treatment of Waste Water by Nano Particles" in the United International Journal of Engineering Science. ISSN:2582-5887; Volume. 5, Special Issue. 2 (January-2024); Impact factor:6.71 (SJIF)
3. Dr. P.Aparna, Dr. P. Padmaja, N. Pothanna and Josyula Venkata Ramana Murthy published a paper titled, "Uniform flow of micro -polar fluid past a Permeable Sphere saturated with viscous fluid", Journal of Namibian Studies, 38 S1(2023): 799-813. ISSN: 2197-5523
4. Lakshmi Lavanya P., and Sreenivasulu A. published a paper titled, "Building Bridges: Strengthening oral Communication Skills for Rural Civil Engineering Students" in i-manager Journal on civil Engineering.Vol.14, Issue 1 pp:23 to 28, January – March, 2024, ISSN: 2249-0779

Signature

Head

Freshman Engineering Department
PVP Siddhartha Institute of Technology
Kanuru, VIJAYAWADA-520 007.

