



SRINIVASA EDUCATIONAL SOCIETY'S
PACE INSTITUTE OF TECHNOLOGY & SCIENCES
(AUTONOMOUS)

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Faculty Publications

Department of Research and Development (R&D)

Academic Year 2019-20

Departments	No of Publications				Book Chapter	Patents	
	SCI/ESCI	Scopus		Non-Scopus			
		Journal	Conference	Journal			Conference
AME		01	06	14		01	
CIVIL		06		05			
CSE		08		08	03	07	
ECE	01	08		08	01	04	
EEE		05		02			
H&S		01	01		01		
IT		01		02			
MECH			04	02	02	04	
MBA		01		04			
Total	01	31	11	45	00	16	

SCI/ESCI

1. P. Vasavi, S. Maloji, E. Kiran, D. Anil, and N. Sasikala, “**3D Hand Gesture Representation and Recognition through Deep Joint Distance Measurements,**” *International Journal of Advanced Computer Science and Applications*, vol. 11, no. 4, 2020.

Scopus

Journal

1. Kumar, M.D., Yogesh, C., Hussain, S.N., Krishna, R. and Sreenivasan, M., **Design Optimization And CFD Analysis Of An Air Inlet System For SAE-Student Formula Racing Car,***International Journal of Scientific & Technology Research*, 9, pp. 51-55, April 2020.
2. Ganesh N.G, Anusha K., Prasad M.S.D.V, Kumar P.R., **Structural Health Monitoring of Beam Retrofitted with SMA using Piezoelectric Transducers,***International Journal of Scientific & Technology Research*, 9, pp. 5935-5937, March 2020.
3. G.Ganesh Naidu, M.Sri Durga Vara Prasad, K.Anil Kumar, **Strengthening of Reinforced Concrete Continuous Beams using GFRP,** *International Journal of Engineering and Advanced Technology (IJEAT)*, 9,1, PP: 1855-1857,October 2019.

4. Naidu, G.G., Prasad, M.S.D.V. and Mani, E., **Mechanical Behaviour of Fibre Reinforced Concrete using Shape Memory Alloys**, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, ISSN: 2278-3075, Volume-9 Issue-1, PP: 230-232, November 2019.
5. G.Ganesh Naidu, M.Sri Durga Vara Prasad, N.Venkata Kishore, R.Hari Prasad, **Influence of PET Waste on Mechanical Properties of Concrete**, *International Journal of Engineering and Advanced Technology (IJEAT)*, PP: 01-03, November 2019.
6. G.Ganesh Naidu, M.Sri Durga Vara Prasad, U.Upendra Varma, S.Sandhya, **Effect of R.O.Waste Water on Properties of Concrete**, *International Journal of Recent Technology and Engineering (IJRTE)*, 8, 3, PP: 2806-2808, September 2019.
7. G. Ganesh Naidu, M.Sri Durga Vara Prasad, A. Venkata Sai Pavani, **Impact of Chloride Attack on Basalt Fibre Reinforced Concrete**, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 8, 12, PP: 4467-4469, October 2019.
8. Anand, S.R., Tanguturi, R.C. and Rajan, S., 2019. **Blockchain based packet delivery mechanism for WSN**. *International Journal of Recent Technology and Engineering (IJRTE)*, 8(2), pp.2277-3878.
9. E.V.N.Jyothi , S.Sailaja, **“Upcoding Fraud Discovery in the Economical Fields Using Block Chain Technology”**, *IJITEE*, ISSN NO: 2278-3075, DOI: 10.35940/ijitee.J9536.0881019, Volume-8 Issue-10, PP:2464-2468, August 2019.
10. G. Srinivasa Rao, Rajeswara Rao Ramisetty **“Learning Enhancement of Online Handwritten Telugu Character Modeling for Various Features Sets”**, *IJEAT*, ISSN NO: 2249 – 8958, DOI: 10.35940/ijeat.A3087.109119, Volume-9 Issue-1, PP: 5467-5470, October 2019.
11. S. Phani Kumar , B. Sreenivasulu, **“A research on the importance of big data analytics in health care and government sectors”**, *IJEAT*, ISSN NO: 2249-8958, DOI: 10.35940/ijeat.A3088.109119, Volume 9, Issue 1, PP: 5471-5473, OCT- 2019.
12. E.V.N.Jyothi , S.Sailaja, **“Ascendable and Protected Allocation of Personal Health Records in Cloud Computing Expending Multi Ability Attribute-Based Encryption”**, *IJRTE*, ISSN NO: 2277-3878, DOI:10.35940/ijrte.B1174.0882S819, Volume-8 Issue-2S8, PP: 908-914, AUG- 2019.
13. S. Radhakrishnan, S. Nedunchelivan, K.K. Thyagarajan, **“An improved downlink packet scheduling algorithm for delay sensitive devices in both H2H and M2M communications in LTE-advanced networks”**, *IJENM*, ISSN NO: 1748-1260, DOI: 10.1504/IJENM.2020.103916, Volume-11, Issue-1, PP: 94 - 111, NOV- 2019.
14. Goda Srinivasa Rao, Sreenivasulu Bolla, Sindhe Phani Kumar, **“Block Design-based Key Agreement for Group Data Sharing in Cloud Computing”**, *IJCA*, ISSN: 2005-4297, Volume - 13, Issue - 3, PP: 99-104, May-2020.
15. E.V.N.Jyothi , Pallam Reddy Venkata Subba Reddy , Sriharsha Vikruthi, **“An Highly Developed Architecture for AWS Using Cloud Computing System”**, *IJAST*, ISSN: 2005-4238, Volume - 29, Issue- 6, PP: 3197 – 3203, May-2020.
16. Anand, J.V. and Sivanesan, P., 2019. **“Certain investigations of underwater wireless sensors synchronization and funneling effect”**, *International Journal of Computers and Applications*, pp.1-8.

17. S. Gopinath, N. Suresh Kumar, S. Madhumitha, N. A. Natraj (2020).,“**TSRP: A Trust based Secure Routing Protocol for Authentication and Load balancing in MANET**,”*International Journal of Advanced Science and Technology*, Vol. 29, No. 4 pp.486-493.
18. Prem Chakravarthi Pilli, K.Sundeepp , N.Rambabu (2020).,“**High Speed and MOSFET Reduction Based 24t Adder for Multiplier Design**,”*International Journal of Advanced Science and Technology*, Vol. 29, No. 4 pp. 109 -115.
19. Pathan Minhaz Khan, S. Ch. Kantha Rao, N. Manogna (2020)., “**Design of Accurate and High Precision Novel Fault Tolerant FFT**”,”*International Journal of Advanced Science and Technology*, Vol. 29, No. 4 pp. 148 -155.
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22. Miriyam Lakshmi Prasanna, P. Sivakrishna, K.Suresh Babu (2020).,“**HIGH SECURE INTEGRITY DUAL CHECKING SYSTEM FOR CONTENT ADDRESS MEMORY RAM**””*International Journal of Advanced Science and Technology*. Vol. 29, No. 4 pp.176-182.
23. Kondapalli Sasidhar, N.Prakash Babu, K.Nagaraju (2020).,“**Design and analysis of 4×4 SRAM array using 22nm technology**””*International Journal of Advanced Science and Technology*, Vol. 29, No. 4 pp.183-189.
24. G V K Murthy, “**Modelling of Microgrid by using HOMER software**” *JARDCS*, Vol: 12 Issue: 2, PP: 2176-2182, May 2020.
25. G V K Murthy, “**Computation of Sensitive Node subjected to Continuous Power Flow (CPF) with Regression**” *IJCA*, ISSN: 2005-4297, Vol: 13 No. 2s, PP: 217-226, 2020.
26. G V K Murthy, CH V Suresh, K Sowjankumar, B Hanumantharao., **Impact Of Distributed Generation On Unbalanced Radial Distribution System**, *INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH*, Vol: 8, No: 9, SEPTEMBER 2019.
27. G V K Murthy, “**Seizing and Control of AC Micro grid is connected with and without grid using by HOMER**” *JARDCS*, DOI: 10.5373/JARDCS/V12I2/S20201245, vol. 12, Issue-02, PP No.: 1998-2007, May 2020.
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29. B. Purna Chandra Rao, G. Ramesh Babu, V. Himamaheswara Rao, D. John Thiruvadigal, “**Evolution of structure, Morphology and growth of CNS’s as a function of pre-etching time deposited by RF-PE CVD**, *International journal of scientific and technology Research* 9 (3) (2020) 4441-4446.
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31. T.Mary Jones, and K. Prasanth Kiran, “**LEARNABILITY: AN INEVITABLE SKILL NEEDED FOR SUSTENANCE IN INDUSTRY 4.0**”, *International Journal of Advanced Research in Engineering and Technology (IJARET)*, Volume 11, Issue 3, March 2020, pp. 152-161.

Conference

1. Sreenivasan, M., Kumar, M.D., Krishna, R., Mohanraj, T., Suresh, G., Kumar, D.H. and Charan, A.S., 2020, **Finite element analysis of coil spring of a motorcycle suspension system using different fibre materials**, *Materials Today: Proceedings*, 33, pp.275-279.
2. Kumar, D.H., Krishna, R., Kumar, M.D., Pradhan, R. and Sreenivasan, M., 2020, **Harvesting energy from moving vehicles with single-axis solar tracking assisted hybrid wind turbine**. *Materials Today: Proceedings*, 33, pp.326-332.
3. Krishna, R., Sreenivasan, M., Dhass, A.D., Sivakumar, E.R., Teja, P.S., Kumar, M.D. and Anand, S.R., 2020, **Structural and thermoelectric behavior of nanostructured porous graphite for thermoelectric power generator application**, *Materials Today: Proceedings*, 33, pp.179-182.
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5. Gurusamy, A., Gnanamoorthi, V., Purushothaman, P., Samuel, P.M. and Irfan, A.M., 2020, **Evaluation of Microalgae Biodiesel Blend Along with DTBP as an Ignition Enhancer on Diesel Engine Attributes**, *In Proceedings of ICDMC 2019* (pp. 71-82). Springer, Singapore.
6. Suresh, G., T. Srinivasan, C. T. Chidambaram, Karjala Santhoshpriya, K. R. Vijayakumar, and M. Dinesh Kumar. "A study on sliding wear behaviour of carbon fiber reinforced IPN composites." *Materials Today: Proceedings* (2020).
7. K. Sowri Babu, V. Himamaheswara Rao, D. Demudu Babu, “**Synthesis and characterization of ZnO-graphite nanocomposite**”, *Materials Today: Proceedings* 19 (2019) 2609–2612.
8. Ashok, D., Puhan, S., Pradhan, R., Babu, P. K., & Reddy, Y. S. (2020). “**An Experimental Investigation of New Hybrid Composite Material Using Ramie-Flax and Its Mechanical Properties Through Finite Element Method**”. *In Recent Trends in Mechanical Engineering* (pp. 431-446). ISSN: 2195-4356, Springer, Singapore.
9. Gurusamy, A., Irfan, A. M., Sivakumar, E. R., & Purushothaman, P. (2019, November). “**Evaluation of Performance and Emission Characteristics on Diesel Engine Fueled by Diesel–Algae Biodiesel Blend with Ignition Enhancing Additives**”. *In National Conference on IC Engines and Combustion* (pp. 421-431). Springer, Singapore. ISSN: 2195-4356.
10. Dhass, A. D., Kumar, R. S., Lakshmi, P., Natarajan, E., & Arivarasan, A. (2020). “**An investigation on performance analysis of different PV materials**”. *Materials Today: Proceedings*, 22, 330-334. ISSN ;2214-7853.

11. Santhi, K. A., Srinivas, C., & Kumar, R. A. (2020). “**Experimental investigation of mechanical properties of Jute-Ramie fibres reinforced with epoxy hybrid composites**”. *Materials Today: Proceedings*. ISSN ;2214-7853. (2020-21)

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Journal

1. M.DINESHKUMAR, R. M., R. MOHAN, S. KAVITHA, M. VAIRAVEL 2019. **ANALYZING HEAT TRANSMISSION BY SINKS OF AN WALL - LED USING CFD**. *A Journal of Composition Theory*, 12, PP:786-794. DOI:19.18001.AJCT.2019.Volume 12, Issue 10.19.10762.
2. M. DINESHKUMAR, S. K., M. VAIRAVEL, VINOTHKUMAR 2019. **SIMULATION ANALYSIS OF RG VELOCITY AT GAS DIFFUSION LAYER VELOCITY IN A MULTI PASS SERPENTINE FLOW FIELD PEM FUEL CELL UNDER DIFFERENT CELL POTENTIALS USING AUTOMOBILE VEHICLES**, *Science, Technology and Development Journal*, 8, PP:603-611. Doi:19.18001.std.2019.volume 8, issue 10.19.32533
3. M.DINESHKUMAR, R. M., DR. R. MOHAN, S. KAVITHA, DR. M. VAIRAVEL 2019. **PRESENT MODELING OF A STAIR CLAIMBING WHEEL MECHANISM**. *A Journal of Composition Theory*, 12, PP: 025-1034. Doi:19.18001.ajct.2019.volume 12, issue 11.19.10916
4. M.DINESHKUMAR, R. M., DR.R.MOHAN, S.KAVITHA, DR.M.VAIRAVEL 2019. **ANALYZING HEAT TRANSMISSION BY MEMBRANES OF A WALL - LED USING CFD**. *A Journal Of Composition Theory*, 12, PP: 2288-2294.doi:19.18001.ajct.2019.volume 12, issue 9.19.10551
5. M.DINESHKUMAR, R. M., DR.R.MOHAN, S.KAVITHA, DR.M.VAIRAVEL 2019. **NUMERICAL STUDIES ON THE CAVITY IN GAS OIL INJECTOR**. *A Journal of Composition Theory*, 12, 1163-1176. Doi:19.18001.ajct.2019.vol 12, iusue7.19.10140
6. M.DINESHKUMAR, R. M., DR.R.MOHAN, S.KAVITHA, DR.M.VAIRAVEL 2019. **ART OF REVIEW - ANALYZING EVOLUTION OF THE AUTOMOTIVE CATALYSTS DURING THE PREVIOUS FOUR DECADES**. *A Journal of Composition Theory*, 12, 656-673. Doi:19.18001.ajct.2019.v12i8.19.10172
7. M.DINESH KUMAR, S. K., M.VAIRAVEL, VINOTHKUMAR 2019. **NUMERICAL SIMULATION ANALYSIS OF AUTOMOBILE HYBRID COIL SPRING SUSPENSION SYSTEM ANALYSIS IN ANSYS**. *A Journal of Composition Theory*, 12, PP:557-593. Doi:19.18001.ajct.2019.volume 12, issue 9.19.10552
8. M.DINESHKUMAR, R. M., DR.R.MOHAN, S.KAVITHA, DR.M.VAIRAVEL 2019. **DYNAMIC ANALYSIS OF THE CRANK SHAFT USING FINITE ELEMENT ANALYSIS**. *Science, Technology and Development Journal*, 8, PP: 413-426.Doi:19.18001.std.2019.volume 8, issue 11.19.32742
9. M.DINESHKUMAR, R. M., DR.R.MOHAN, S.KAVITHA, DR.M.VAIRAVEL 2019. **REVIEW - EXPERIMENTAL & SYSTEMATICAL ANALYSIS METHOD FOR THE MECHANICAL BEHAVIORS OF CRANKSHAFT-BEARING SYSTEM**. *Science, Technology and Development Journal*, 8, PP: 403-415. Doi:19.18001.std.2019.volume 8, issue 9.19.32148

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12. M.DINESHKUMAR, R. M., DR.R.MOHAN, S.KAVITHA, DR.M.VAIRAVEL 2019. **REVIEW - WASTE HEAT HARVESTING SYSTEM ANALYSIS BY TEG USED AUTOMOBILE PARTS.** *Science, Technology and Development Journal*, 7, PP: 50-67. Doi:19.18001.std.2019.volume 8, issue 7.19.28111
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15. Ganesh Naidu Gopu, Kannella Edukondalu, " **Effect on Concrete by partially replacement of Cement with marble powder and fine aggregates with glass powder**", *TEST Engineering and Management*,ISSN: 0193-4120, PP: 23222-23226, Apr- 2020
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19. G. Ganesh Naidu, M. Sri Durga Vara Prasad, M. Chandana," **Damage analysis of Reinforced Concrete Beams using Piezoelectric Sensors**", *International Journal of Recent Technology and Engineering (IJRTE)*, ISSN: 2277-3878, Volume-8 Issue-4, PP: 3103-3105, November 2019
20. Pallam Reddy Venkata Subba Reddy, Sriharsha Vikruthi, E.V.N.Jyothi, " **An Advanced Strategy of Multi User Storage System for Cloud Computing**", *IJEAT*, ISSN NO: 2249 – 8958, DOI: 10.35940/ijeat.B3208.129219 , Volume-9,Issue-2, PP: 2823-2826, December-2019.

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23. V N Rajavarman , SrinivasaRao Madala , T.Venkata Satya Vivek, “**A Novel Method for Secure Outsourced in Cloud through KAE Authentication**”, *IJEAT*, ISSN: 2249 – 8958, Volume-9 Issue-1S, PP:141-147, October 2019
24. Srinivasa Rao Madala, Rama Chaithanya Tanguturi, Giribabu Sadineni, “**A COMPARATIVE STUDY OF MULTI-VIEW DATA VISUALIZATION ON BIG DATA USING DIFFERENT TECHNIQUES**”, *JCR*, ISSN- 2394-5125, Volume- 7, ISSUE 09, PP:2425-2433, May- 2020
25. Shaik Karimulla, Dr T Rama Chaitanya, “**Securing A Cloudlog in Cloud Forensics Using Secure CloudlogAssuring Soundness and Secrecy**”, *IJAEMA*, ISSN NO: 0886-9367, Volume XI, Issue IX, PP: 1533-1545, 2019.
26. Venkata Lakshmi Sandu, B Srinivasulu, “**A Novel Intrusion Detecting System to Protect Cloudlet basedHealthcare Data from Attacks**”, *IJAEMA*, ISSN NO: 0886-9367, Volume XI, Issue IX, PP: 1546-1557, 2019.
27. Karanam Manohar Rao, Ch Ravindra Babu, “**E-Commerce Websites related Early Reviewers are characterized and calculate using MBERM**”, *IJAEMA*, ISSN NO: 0886-9367, Volume XI, Issue IX, PP: 1558-1565, 2019.
28. NamrataSarode, Ch. Janardhan, M. Srinagesh, (2019) "**FTIR Imaging Techniques for Estimation of Micro Plastics in Waste Water and Sediments**", *International Journal of Environmental Protection*. 39 (9) 801-805.
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30. Gade, Uma sravanthi, K Sundeep., **Design a 2D Array address based fault tolerance memory**,*International Journal of research*, 8(6) 3971-3976.
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32. K.Jaya Kumar, P.Maniganda & S.Venkatesan (2019) “**Lung cancer identification with fractal geometry**”, *The International journal of analytical and experimental modal analysis*, 11 (5) Pg110-122.
33. S.V.S.Nathan, J.Kaliyappan, C. Karthik., “**Plant Leaf Diseases Detecting using K-means Clustering Algorithm**”, *The International journal of analytical and experimental modal analysis*, 11(9) 4609-4614.
34. S. Vasantha Swami Nathan, V. Gajendra Kumar, S. Arun., S. Prabhu Das.,G.P. Ramesh.,A. Sivaiah., “**Distinctive Image Transmission Technique through Secret-Fragment- Visible Mosaic Images**

- using approximately Reversible Colour Transformations providing High Security**”, *International Journal of Recent Advances in Engineering & Technology (IJRAET)*, 5(6) 45-48.
35. A.Deepak, N.DurgaParameswara Rao., “**Design and Implementation of Peas Framework in Automation of Metallurgy Industry**”, *Journal of Technology*, vol. 35, no. 03, pp. 153-157, 2020.
 36. Dr. G V K Murthy, “**Dynamic Modelling and Feasibility Analysis of Solid State Transformers Based Power Distributed System**” *IJAEMA*, ISSN NO. 0886-9367, Vol: XII, Issue: III, PP: 1959-1974, March 2020.
 37. K. Venkateswarlu, G.V.K Murthy, D. Prasad, K.V Narayana, “**Fuzzy With Hysteresis Controller for Power-Quality Improvement of Grid Interconnected System**” *IJEAT*, ISSN: 2249 – 8958, Volume-9 Issue-3, PP No.: 4059-62, February 2020.
 38. A.Seshagirirao, K.Saisusheel, K.Manohar, “**Execution Analysis For Provisioning And Essentialness Safeguarding Distributed in Cloud Computing**”, *IJAST*, ISSN No: 2005-4238,DOI: <http://sersc.org/journals/index.php/IJAST/article/view/16619>,Vol-29, Issue-9s, PP: 3805-3811, May 2020.
 39. A.Sathiyaraj, Suresh Vaka, K. Anitha, P.Sreedhar, “**Minimization of Routing Overhead by Energy Estimation, Traffic Analysis and Destination Location Tracking in MANET**”, *TEST Engineering and Management*, ISSN: 0193-4120, Volume-83, Page No. 9181 - 9186, April 2020.
 40. V. Siva Prasad Juvvi Siva Naga Raju, Sudhir Chakravarthy K, Jabihulla Shariff Md, Kurangi Sreenivasa Rao, (2020) “**Experimental investigation of mechanical properties of ramie-flax hybrid composite**”, *International Journal of Advanced Science and Technology*, Vol.29, Issue : 2, pg: 4507-4518.
 41. SP jabihulla Shariff Md sudhir Chakravarthy K, Juvvi Siva Naga Raju, Kurangi . “**Investigation of mechanical behavior of temperature and wool as reinforced material in FRP composites**”,*International Journal of Advanced Science and Technology*,vol. 29, Issue :7, 140 6 9 – 14079.
 42. M. Ananda Rao, U. Raghunath, P. Bharath Kumar “**Big Data - An Innovative Tool for Meeting Business Drivers in the Modern Era**”, *International Journal of Recent Technology and Engineering (IJRTE)*, ISSN: 2277-3878, Volume-8 Issue-6, March 2020.
 43. T. Mary Jones and Dr. B. Sudhir published an article entitled “**A Study on the Option Trading Strategies of the Investors**”, in *International Journal of Humanities and Social Sciences(IJHSS)*, Vol. 8, Issue 4, Jun – Jul 2019,113-122 ISSN(P):2319-393X.
 44. Dr. Venkateswara Rao. V and Pushpa Sri. D, published an article entitled “**The Impact Of Indian Banking Sector- A Comparative Study Of Public And Private Sector Merged Banks - A Study**”, in *International Journal of Research and Scientific Innovation (IJRSI)* | Volume VI, Issue X, October 2019 . Pages: 90-94
 45. Dr. Venkateswara Rao. V And Pushpa Sri. D, published an article entitled “**Artificial Intelligence- The Tools & LPU Techniques For Decision Making In The Modern Organizations: A Study**”, in *International Journal Of Research Culture SocieOty* Volume - 3, Issue - 10, Oct – 2019. Pages:54-58.

Book Chapters

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2. E. V. N. Jyothi & B. Rajani, “**Data Structures Through C**”, *DK International Research Foundation*, ISBN No: 978-81-942083-2-7.
3. E. V. N. Jyothi & B. Rajani, “**Python Programming For Learners**”, *DK International Research Foundation*, ISBN No: 978-81-942083-3-4.
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