

*Research @*

***SRINIVAS UNIVERSITY***

*Research & Innovation Council*



### **VISION**

*The Research and Innovation council at Srinivas University strives to create an environment to support researchers who can achieve excellence in deriving dependable solutions to global challenges.*

### **MISSION**

*To lead, coordinate, and convey multidisciplinary innovative work arrangements in condition, vitality, and data innovation to meet client responsibilities on schedule and at cost. In completing this crucial, Applied Research Center is focused on giving preparing chances to the University's particularly different understudy body under the mentorship of the Center's; globally perceived specialists and researchers.*

### **CHANCELLOR'S MESSAGE**



*My aim is to transform Society through education by setting up academic institutions in dynamic equilibrium with its social, ecological and economic environment striving continuously for excellence in education, research and technological service to the nation.*

**CA A RAGHAVENDRA RAO**

### **PRO-CHANCELLOR'S MESSAGE**



*We are committed to building a truly exceptional future for our students in an encouraging environment; and work tirelessly towards building skill-sets, knowledge and intellect of our students which imbibe in them curiosity, critical thinking, innovation and professional skills.*

**DR.A SRINIVAS RAO**

**Chief Patrons****Shri CA A. Raghavendra Rao**

Chancellor

**Dr. A. Srinivas Rao**

Pro Chancellor

**Dr. P. S. Aithal**

Vice Chancellor

**Dr. Anil Kumar**

Registrar

**Dr. (Lt Cdr) P.K. Suresh Kumar**

Controller of Examination

**Mr. Adithya Kumar Maiya**

Registrar (Academic and Development)

**Dr. Ajay Kumar**

Registrar Development

**Editors****Dr. Praveen B.M.***Director, Research & Innovation Council***Mr. Amruth C H***Assistant Professor, Mechanical Engineering***ABOUT SRINIVAS UNIVERSITY**

Srinivas University, Mangalore, is a Private Research University in Mangalore, Karnataka, India established in 2013 by Karnataka State Act. Srinivas University is the flagship of 18 Srinivas Group of Institutions started by A. Shama Rao Foundation, Mangalore, India, a private Charitable Trust founded in 1988 by an eminent Chartered Accountant A. Raghavendra Rao. A. Shama Rao Foundation has started many professional colleges in Mangalore which include Srinivas Institute of Medical Sciences and Research Center, Srinivas Institute of Dental Sciences, Srinivas Institute of Technology, Srinivas College of Pharmacy, Srinivas Institute of Nursing Sciences, A Shama Rao Nursing School, Srinivas Integrated Campus, Srinivas College of Hotel Management, Vijayalakshmi Institute of Hospitality Sciences, Srinivas First Grade College, Srinivas School of Engineering, Srinivas Institute of Management Studies, Srinivas College of Physiotherapy, Srinivas School of Business, Srinivas School of Management, Srinivas College of Education, Srinivas Institute of Social Work

Presently, Srinivas University offers undergraduate, postgraduate, and research courses under 8 Faculties/Colleges with about 60 courses. The University made innovations in designing and starting new super speciality programmes both at UG, and PG level as per present and future industry relevance, innovations in examination system through focus on continuous evaluation and to make it foolproof. The University has established networking with many industries, universities, and education service providers to substantially improve the quality and weightage of the courses and degrees respectively.

# Special Achievements

*Srinivas University has received the recognition form Department of Scientific and Industrial Research Government of India*

*International Journal of Management, Technology and Social Sciences (IJMTS) of Srinivas University accepted for Indian citation indexing (ICI) New Delhi.*

*All the four journals of Srinivas University are registered for Sherpa/Romeo UK for Journal Deposit Policy*

*International Journal of Management, Technology and Social Sciences (IJMTS)*

*International Journal of Health Sciences and Pharmacy (IJHSP)*

*International Journal of Applied Engineering and Management Letters (IJAEML)*

*International Journal of Case Studies in Business, IT, and Education (IJCSBE)*






*CEO Insights has certified as one of the best University for Research in India*

- ❖ *Dr P S Aithal has received Honorary Doctorate Award in Higher Education from United Nobles Rescue Services.*
- ❖ *Dr P S Aithal achieved the world Rank 1 author as SSRN Elsevier USA indexing and it is fourth Consecutive year*
- ❖ *Dr Praveen B M has received R C Shah Memorial National award in chemical sciences from Indian Science Congress, Govt. of India*



## Publications

COLLEGE NAME	PUBLICATIONS				
	2016	2017	2018	2019	2020
College of Engineering & Technology	18	44	58	44	21
College of Management & Commerce	108	64	71	35	55
College of Social Science & Humanities	40	32	48	11	03
College of Computer science & Information Science	29	33	57	28	26
College of Physiotherapy		13	5	17	01
College of Allied Health Sciences		11	09	04	07
College of Education	02	01	01		
Total	197	187	240	135	106
Total			896		

# D.Sc., / D.Litt., Awardees

SI NO	NAME AND REG.NO	TITLE	PHOTO
01	DR.NANDHAGOPAL 19SUDSC001 D.SC.	HUMAN EYE DETECTION SYSTEM FOR RECOGNIZE EYE DISEASES USING IMAGE PROCESSING	
02	DR.ANBUKARUPPUSAMY 19SUDSC002 D.SC.	SOME INVESTIGATIONS ON IMPROVING PERFORMANCE OF FADING CHANNEL IN MANETS	
03	DR.ZUBER MUJEEB SHAIKH 19SUDLIT01 D.LITT.	A CRITICAL COMPARATIVE STUDY ON THE NATIONAL ACCREDITATION STANDARD FOR HOSPITALS OF INDIA, AUSTRALIA, DEMARK AND SOUTH AFRICA	
04	DR PRAVEEN B M 20SUDSC001 D.SC.	CORROSION INHIBITION STUDIES BY ELECTRODEPOSITION AND INHIBITORS	
05	DR.SURESH R RAO 19SUDSC005 D.SC.	ULTRASOUND EFFECT ON BRAIN DEVELOPMENT IN MICE	

# PhD awardees

SI NO	NAME AND REG. NO	TITLE	PHOTO
01	AJAY KUMAR SU/PHD/PT(TR)/2017/1	A STUDY TO EXAMINE THE INTRA RELIABILITY OF RAPID UPPER LIMB ASSESSMENT(RULA) IN COMPUTER OPERATORS	
02	SONIA DELROSE NORONHA SUPHDMGMT2017/02	A STUDY ON WORK LIFE BALANCE AND GLASS CEILING FACED BY WOMEN EMPLOYEES IN EDUCATION SECTOR	

## Total number of Students in Research Programs

Ph.D. Students	
2017	16
2018	18
2019 (January)	11
2019 (June)	50
2020 (January)	50
2020 (June)	128
Total	273

Post Doctoral Students	
Post Doctrol Fellow's	15
Doctor of Science	13
Doctor of literature	3
Total	31



# COLLEGE OF SOCIAL SCIENCES AND HUMANITIES

## Research Publications in Journals

- Pradeep, M.D., &Laveena, D' Mello., (2020). Literature Review on Social Opportunities for the Solar Cold Chain System in India. International Journal of Applied Engineering and Management Letters (IJAEML), 4(1), 131-141. DOI: <http://doi.org/10.5281/zenodo.3795740>.
- Itagi, Gururaj, &Aithal, P. S. (2020). A Study on the Future of World Leader's Behaviour towards Global Health after COVID-19. International Journal of Case Studies in Business, IT, and Education (IJCSBE), 4 (1), 127-135. DOI: <http://doi.org/10.5281/zenodo.3839765>.
- Suvarna, H., D'Souza, S., R.K., M.C. (2020). A Study on Entrepreneurship Education Programme in the Curriculum of Indian Higher Education System. NOLEGEIN Journal of Entrepreneurship Planning, Development and Management, 3(1), 1-5. ISSN: 2581-3900.

## Faculty Achievement

- Prof. Pradeep M.D. Completed 'How to Write and Publish a Scientific Paper (Project-Centered Course) an online Non Credit course authorized by EcolePolytechnique and offered through Coursera.
- Dr.LaveenaD'Mello, successfully completed the Diploma in Professional Studies on "Professional Counselling Diploma" online under the KEY Training Academy.

## Attended Sessions as Resource Person

Gururaj Itagi, the Research Scholar, School of Social Sciences & Humanities, Srinivas University, Mangalore, Karnataka, India.

- Session on "Career Planning and Academic Achievement" for Students of class IX & X, at Pompai High School, Kinnigoli, Organized by PrajnaSalaha Kendra. January-2020



- Session on "School of Values" for Students of Education at Shree Gokarnanatheshwara College of Education, Gandhinagara, Mangaluru- January-2020



- Session on “Learning Techniques for Academic Achievement” for students of class X, at RV High School, Itagi, Siddapura, UttaraKannada, Karnataka. February-2020



- Session on “Role of Parents in Learning Teaching Process” for Parents and Teachers of Raj Academy CBSC School, Ganjimata, Mangaluru. January-2020



- Workshop for Women on the Topic of “Self Defense and Women Safety” at Munnuru Grama Panchayath Samudhaya Bhavana, KuttaruPadavu, Mangaluru. March-2020



## Social Service Programme

Unnat Bharat Abhiyan, Srinivas University, Srinivas Institute of Rural Reconstruction Agency (SIRRA) in association with Cancer Society, Bengaluru, GramPanchayatCheliaru has organized free Cancer Awareness and Cancer Check-up Camp at SabhaBhavana, Cheliaru Village near Surathkal,

Karnataka on 8th March 2020. The Programme was inaugurated by the Mr. Jayanand, President, Gram Panchayat and the representatives of the Cancer Society of India, CODP, Vivekananda Yuvaka Mandala and other local associations were present in the inaugural programme. The Doctors of Father Mullars Charitable Hospital provided free Medical Check Up to the participants and provided generic medicine to the needy. Almost 98 people of Cheliaru Village participated in the programme and got



benefitted.

# COLLEGE OF PHYSIOTHERAPY

## Faculty Achievements

Prof. S Rajasekar, Dean, College of physiotherapy, Srinivas University was invited for the 58th Annual IAP Conference (IAPCON 2020) to deliver a talk on “Diagnostic Accuracy of Orthopaedic Special tests- An evidence based approach” held at Mahabalipuram , Chennai on 7th March 2020.

## Webinars

College of physiotherapy under the banner of Srinivas University has initiated free interactive Webinars from the month of June.

Our series of webinars started with the first webinar session conducted by Dr S Rajasekar , Dean, College of Physiotherapy, SU who enlightened students with the topic “Breathing pattern disorders: musculoskeletal perspective” on 9th June 2020.A total of 186 delegates have participated from different parts of the country and overseas.

The second webinar session was conducted by Dr N. Mageswaran ,Associate Professor , College of physiotherapy who gave an informative session on “Pulmonary hygiene for Covid-19: A Physio Perspective” on 14th June 2020. Around 248 delegates attended the session from different colleges.



Webinar series 3 was conducted by Dr Thrishala Noronha, Associate Professor College of Physiotherapy who shared her insights on the topic “Dizziness Dilemma: differential diagnosis and clinical decision making” on 21st June 2020. Sum total of 165 delegates participated in the session from India and overseas.

The fourth webinar session was conducted by Dr Radhika Gopal, Assistant Professor, College of Physiotherapy who gave ideas on the importance of “Oromotor Care for differently abled children” on 29th June 2020. Total of 180 delegates participated from different Colleges.

After each session feedbacks and suggestions were collected from delegates and verified.

## Research Publications in Journals

Ilona Gracie De Souza, Pavan Kumar G.(April 2020). Effect of releasing Myofascial chain in patients with patellofemoral pain syndrome- A randomized clinical trial. *Int J Cur Res Rev*,12(8),5-10.  
<http://dx.doi.org/10.31782/IJCRR.2020.12082>

# SRINIVAS INSTITUTE OF MANAGEMENT STUDIES & RESEARCH CENTER

## Publications

- Keerthan Raj, &Aithal, P. S. (January 2020). A New Concept of Circular Model of Management for Achieving Sustainable Success and Growth. *International Journal of Management, Technology, and Social Sciences (IJMTS)*, 5(1), 1-17. ISSN :2581-6012,DOI: <http://doi.org/10.5281/zenodo.3634224>.
- Mathew C. D., & Aithal P. S. (February 2020). Retrospective Experiential Learning Theory and its Impact on Countering Social Exclusion in Ecotourism. *International Journal of Management, Technology, and Social Sciences (IJMTS)*, 5(1), 18-23. ISSN :2581-6012, DOI: <http://doi.org/10.5281/zenodo.3660956>.
- Aithal P. S. &AithalShubhrajyotsna (March 2020). Promoting Faculty and Student-Centered Research and Innovation based Excellence Model to Reimage Universities. *International Journal of Management, Technology, and Social Sciences (IJMTS)*, 5(1), 24-41. ISSN :2581-6012, DOI: <http://doi.org/10.5281/zenodo.3702399>.
- Mathew, C. D. & Aithal, P. S. (March 2020). Behaviour Modification Model for Improving Social Capital and Fostering Eclectic Theories of Economics. *International Journal of Applied Engineering and Management Letters (IJAEML)*, 4(1), 1-9.ISSN: 2581-7000. DOI: <http://doi.org/10.5281/zenodo.3707038>.
- Sai Manoj, K. & Aithal, P. S. (February 2020). Data Mining and Machine Learning Techniques for Cyber Security Intrusion Detection. *International Journal of Engineering and Advanced Technology (IJEAT)*, 9(3), 4084-4090. ISSN: 2249 – 8958. DOI :<http://doi.org/10.35940/ijeat.C5979.029320>. Blue Eyes Intelligence Engineering & Sciences Publication.

- Sai Manoj, K. & Aithal, P. S. (March 2020). Blockchain Cyber Security Vulnerabilities and Potential Countermeasures. *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 9(5), 1516-1522. ISSN: 2278-3075. Blue Eyes Intelligence Engineering & Sciences Publication. DOI :<http://doi.org/10.35940/ijitee.E2170.039520>.
- Varambally, K.V.M., Sujaya H. & Aithal, P.S. (2020). Innovation in Teaching-Learning Process : An Experiment of Srinivas University. *International Journal of Case Studies in Business, IT, and Education (IJCSBE)*, 4(1), 1-7. ISSN: 2581-6942. DOI: <http://doi.org/10.5281/zenodo.3761723>.
- Suresh Kumar P. M. & Aithal P. S. (Feb. 2020). Time as a Strategic Resource in Management of Organizations. *ICTACT Journal on Management Studies*, 6(1), 1138-1143. ICT Academy. DOI :<http://doi.org/10.21917/ijms.2020.0158>.
- Aithal, P. S. & Shubhrajyotsna Aithal, (June 2020). Conceptual Analysis on Higher Education Strategies for various Tech-Generations. *International Journal of Management, Technology, and Social Sciences (IJMTS)*, 5(1), 335-351. ISSN :2581-6012, DOI: <http://doi.org/10.5281/zenodo.3940590>.
- Ganesha, H. R., Aithal, P. S. & Kirubadevi, P. (April 2020). Changes in Consumer Perspective towards Discount at Brick-and-Mortar Stores owing to Emergence of Online Store Format in India. *International Journal of Management, Technology, and Social Sciences (IJMTS)*, 5(1), 43-83. ISSN :2581-6012, DOI: <http://doi.org/10.5281/zenodo.3762937>.
- Ganesha, H. R., Aithal, P. S. & Kirubadevi, P. (April 2020). Experimental Investigation of Cannibalisation by Introducing a Global Brand Abreast Existing Indian Store Brand. *International Journal of Applied Engineering and Management Letters (IJAEML)*, 4(1), 10-19. ISSN: 2581-7000. Srinivas Publication. DOI: <http://doi.org/10.5281/zenodo.3762869>.
- Ganesha, H. R., Aithal, P. S. & Kirubadevi, P. (April 2020). Short-Term Discounting Frameworks: Insights from Multiple Experiments. *International Journal of Case Studies in Business, IT, and Education (IJCSBE)*, 4(1), 8-22. ISSN: 2581-6942. DOI: <http://doi.org/10.5281/zenodo.3762872>. 26/04/2020.
- Ganesha, H. R., Aithal, P. S. & Kirubadevi, P. (April 2020). Long-Term Discounting Frameworks: Insights from Multiple Experiments. *International Journal of Management, Technology, and Social Sciences (IJMTS)*, 5(1), 84-100. ISSN :2581-6012. DOI: <http://doi.org/10.5281/zenodo.3762939>.
- Ganesha, H. R., Aithal, P. S. & Kirubadevi, P. (April 2020). Decentralized Discounting Framework: Insights from an Experiment. *International Journal of Applied Engineering and Management Letters (IJAEML)*, 4(1), 20-40. ISSN: 2581-7000. Srinivas Publication. DOI: <http://doi.org/10.5281/zenodo.3762879>.
- Paul, P. K. & Aithal, P. S. (April 2020). Environment and Studies related to Environmental Sciences: *The Overview of Allied Areas. Educational Quest: An Int. J. of Education and Applied Social Science*, 11(1), 01-05. ISSN: 2230-7311. New Delhi Publishers.
- Paul, P. K. & Aithal, P. S. (June 2020). Informatics: Foundation, Nature, Types and Allied areas—An Educational & Analytical Investigation. *International Journal of Applied Science and Engineering*, 8(1), 01-09. New Delhi Publishers. ISSN :2321-0745.
- Paul, P. K., Bhumali, A. & Aithal, P. S. (2020 March). Environmental Informatics: *The Foundation, Allied & Related Branches—Analytical Study. International Journal of Social Sciences*, 9(1), 01-07. New Delhi Publishers.

- Paul, P. K. & Aithal, P. S., & A. Bhumali (June 2020). Environmental Informatics and Educational Opportunities in Post Graduate level—Indian Potentialities based on International Scenario. *IRA-International Journal of Management & Social Sciences*, 16(2), 45-58. ISSN : 2455-2267. DOI : <http://dx.doi.org/10.21013/jmss.v16.n2.p2>.
- Ganesha, H. R., Aithal, P. S. & Kirubadevi, P. (April 2020). Input and Output Driven Sales Personnel Performance Measures: Insights from an Experiment. *International Journal of Case Studies in Business, IT, and Education (IJCSBE)*, 4(1), 23-37. ISSN: 2581-6942. DOI: <http://doi.org/10.5281/zenodo.3764555>.
- Ganesha, H. R., Aithal, P. S. & Kirubadevi, P. (April 2020). Integrated Discounting Framework for Indian Brick-and-Mortar Retailers. *International Journal of Management, Technology, and Social Sciences (IJMTS)*, 5(1), 110-123. ISSN: 2581-6012. DOI : <http://doi.org/10.5281/zenodo.3774700>
- Ganesha, H. R., Aithal, P. S. & Kirubadevi, P. (April 2020). Need-Based Sales Pitch: Insights from an Experiment. *International Journal of Case Studies in Business, IT, and Education (IJCSBE)*, 4(1), 78-86. ISSN: 2581-6942. DOI: <http://doi.org/10.5281/zenodo.3766912>.
- Ganesha, H. R., Aithal, P. S. & Kirubadevi, P. (April 2020). An Integrated Framework to Derive Optimal Number of Sales Personnel for a Retail Store. *International Journal of Applied Engineering and Management Letters (IJAEML)*, 4(1), 41-50. ISSN: 2581-7000. Srinivas Publication. DOI: <http://doi.org/10.5281/zenodo.3773886>.
- Ganesha, H. R., Aithal, P. S. & Kirubadevi, P. (April 2020). Integrated Inventory Management Control Framework. *International Journal of Management, Technology, and Social Sciences (IJMTS)*, 5(1), 147-157. ISSN: 2581-6012. DOI: <http://doi.org/10.5281/zenodo.3775868>.
- Ganesha, H. R., Aithal, P. S. & Kirubadevi, P. (May 2020). Impact of Store Size Reduction on Overall Store Performance – Insights from an Experiment. *International Journal of Case Studies in Business, IT, and Education (IJCSBE)*, 4(1), 103-111. ISSN: 2581-6942. DOI: <http://doi.org/10.5281/zenodo.3822424>.
- Ganesha, H. R., Aithal, P. S. & Kirubadevi, P. (May 2020). Consumer Affordability in Tier-1, Tier-2 and Tier-3 Cities of India – An Empirical Study. *International Journal of Applied Engineering and Management Letters (IJAEML)*, 4(1), 156-171. ISSN: 2581-7000. DOI: <http://doi.org/10.5281/zenodo.3822509>.
- Keerthan Raj, & Aithal, P. S. (May 2020). The Post COVID-19 World: Efforts Needed to Build Back a More Resilient Society. *International Journal of Case Studies in Business, IT, and Education (IJCSBE)*, 4(1), 88-93. ISSN: 2581-6942. DOI: <http://doi.org/10.5281/zenodo.3783563>.
- Ganesha, H. R., Aithal, P. S. & Kirubadevi, P. (May 2020). Ideal Store Locations for Indian Retailers – An Empirical Study. *International Journal of Management, Technology, and Social Sciences (IJMTS)*, 5(1), 215-226. ISSN: 2581-6012. DOI: <http://doi.org/10.5281/zenodo.3822528>.
- Bhuvana R., Madhushree L. M. & P. S. Aithal (May 2020). Blockchain as a Disruptive Technology in Healthcare and Financial Services - A Review based Analysis on Current Implementations. *International Journal of Applied Engineering and Management Letters (IJAEML)*, 4(1), 142-155. ISSN: 2581-7000. DOI: <http://doi.org/10.5281/zenodo.3822463>.
- Bhuvana R., & P. S. Aithal (May 2020). Blockchain based Service: A Case Study on IBM Blockchain Services & Hyperledger Fabric. *International Journal of Case Studies in Business, IT, and Education (IJCSBE)*, 4(1), 94-102. ISSN: 2581-6942. DOI: <http://doi.org/10.5281/zenodo.3822411>.

- Aithal, P. S., & Suresh Kumar P. M. (March 2020). Global Ranking and its Implications in Higher Education. *SCHOLEDGE International Journal of Business Policy & Governance*, 07(03), 25-47. ISSN 2394-3351, SCHOLEEDGE Publishing, DOI: <http://doi.org/10.19085/sijbpg070301>.
- Sonia Delrose Noronha & P. S. Aithal (May 2020). Work-Life Balance Issues Encountered by Working Women in Higher Education Sector. *SCHOLEDGE International Journal of Management & Development*, 07, 05, 72-87. ISSN 2394-3378, DOI: <http://doi.org/10.19085/sijmd070501>. © SCHOLEEDGE Publishing
- Aithal, P. S., Richard Grice, & Mike Dillon (June 2020). Solar Cold Chain Optimization Research – An Integrated Multidisciplinary Project Agenda. *International Journal of Applied Engineering and Management Letters (IJAEML)*, 4(1), 226-242. ISSN: 2581-7000. DOI: <http://doi.org/10.5281/zenodo.3901376>.
- Gururaj Itagi, & Aithal, P. S. (2020). A Study on the Future of World Leader's Behaviour towards Global Health after COVID-19. *International Journal of Case Studies in Business, IT, and Education (IJCSBE)*, 4(1), 127-135. ISSN: 2581-6942. DOI: <http://doi.org/10.5281/zenodo.3839765>.
- Ganesha, H. R., Aithal, P. S. & Kirubadevi, P. (April 2020). Optimal Category Mix in Multi-Category Retailing – Insights from an Experiment. *International Journal of Case Studies in Business, IT, and Education (IJCSBE)*, 4(1), 112-126. ISSN: 2581-6942. DOI: <http://doi.org/10.5281/zenodo.3822483>.
- Paul, P. K., Ricardo Saavedra, P. S. Aithal, Bashiru Aremu, Pappachan Baby (2020). Environmental Informatics: Potentialities in iSchools and Information Science & Technology Programs—An Analysis. *International Journal of Management, Technology, and Social Sciences (IJMTS)*, 5(1), 238-251. ISSN: 2581-6012. DOI: <http://doi.org/10.5281/zenodo.3841661>.
- Paul, P. K., Aithal, P. S., Ricardo Saavedra, Bashiru Aremu, Pappachan Baby (May 2020). Cloud Service Providers: An Analysis of Some Emerging Organizations and Industries. *International Journal of Applied Engineering and Management Letters (IJAEML)*, 4(1), 172-183. ISSN: 2581-7000. DOI: <http://doi.org/10.5281/zenodo.3841654>.
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- Ganesha, H. R., Aithal, P. S. & Kirubadevi, P. (June 2020). Integrated Marketing Mix Framework for Baby Care Retailing in India. *International Journal of Applied Engineering and Management Letters (IJAEML)*, 4(1), 191-218. ISSN: 2581-7000. DOI: <http://doi.org/10.5281/zenodo.3890290>.
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- Shubhrajyotsna Aithal & P. S. Aithal (August 2020). Cleaning the Environment using Nanotechnology – A Review based Mega-Machine Design. In “Environmental Information Sciences: With aspects on Allied Areas & other emerging interdisciplinary Environmental Concerns” edited by P.K. Paul et al. published by New Delhi Publishers, New Delhi, India, pp. 13-40. ISBN: 978-93-88879-91-0.
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- Paul, P. K., Aithal P. S., Sinha, R. R., Ricardo Saavedra, BashiruAremu (June 2020). Agro Informatics with its Various Attributes and Emergence: Emphasizing Potentiality as a Specialization in Agricultural Sciences — A Policy Framework. *IRA International Journal of Applied Sciences*, 14(4), 34-44. (ISSN: 2455-4499), DOI: <http://dx.doi.org/10.21013/jas.v14.n4.p1>.
- P. K. Paul, R. R. Sinha, P. S. Aithal, Ricardo Saavedra, & BashiruAremu (June 2020). Agro Informatics with reference to features, functions and emergence as a discipline in Agricultural Sciences—An Analysis. *Asian Journal of Information Science and Technology*, 10(1), 41-50, ISSN: 2231-6108, © The Research Publication, [www.trp.org.in](http://www.trp.org.in)
- P.K. Paul, P.S. Aithal, Ricardo Saavedra, BashiruAremu and R.R. Sinha (August 2020). Environmental Informatics and its Features, Functions and Stakeholders: A Comprehensive Overview. In “Environmental Information Sciences: With aspects on Allied Areas & other emerging interdisciplinary Environmental Concerns” edited by P.K. Paul et al. published by New Delhi Publishers, New Delhi, India, pp. 1-12. ISBN: 978-93-88879-91-0.

- Paul, P. K. & Aithal, P. S. (2020). Environmental Informatics: Aspects in Society, Economy and Development—A Study. April 2020. Applied Arts Science In IT Age, Edited by Dr. P. K. Paul, New Delhi Publishers, New Delhi, India. Chapter 5, pp. 73-83. ISBN: 978-93-88879-90-3.
- Published a paper on "The post COVID - 19 World: Efforts Needed to Build Back a More Resilient Society" in IJCSB journal in April 2020
- Published a paper Sonia Delrose Noronha<sup>1</sup>, Dr. P. S Aithal., (2020). Work- Life Balance Issues Encountered by Working Women in Higher Education Sector, SCHOLEGE International Journal of Management & Development, 7(5). ISSN 2394-3378, 72-87; DOI: 10.19085/sijmd070501on 20.8.2020
- Published an Article on "True Happiness" in Daijiworld Media on 20.07.2020
- Suvarna, H., D'Souza, S., R.K., M.C. (2020). A Study on Entrepreneurship Education Programme in the Curriculum of Indian Higher Education System. NOLEGEIN Journal of Entrepreneurship Planning, Development and Management, 3(1), 1-5. ISSN: 2581-3900.

## Books Published

**ENVIRONMENTAL INFORMATION SCIENCES: With aspects on Allied Areas & other emerging interdisciplinary Environmental Concerns**, Published by New Delhi Publishers. ISBN: 978-93-88879-91-0. Editors: P.K. Paul, Executive Director, MCIS & Asst. Prof. (CIS), Information Scientist (Offg.), Raiganj University, West Bengal, India; P. S. Aithal, Vice Chancellor, Srinivas University, Mangalore, Karnataka, India; Ricardo Saavedra, (Chair & Director, International Inter University Program) Azteca University, México, North America; Bashiru Aremu, Vice Chancellor, Crown University Int'l Chartered Inc. (CUICI), Argentina, South America; Ripu Ranjan Sinha, Pro Vice Chancellor (Asia), Commonwealth Vocational University, Tonga, Oceania.

## Paper Presentation in Conferences

Prof. Amith Menezes

- Presented paper on "Google pay systems" in Government First Grade College, Udupi.
- Presented Paper on "A Study On Innovation of Green Electric Vehicle in India", at Government First Grade College Kaup.
- Presented a paper on "A Case Study Approach on IOT with its Implications & Challenges"

# COLLEGE OF COMPUTER SCIENCE AND INFORMATION SCIENCE

## Conference/ Webinar Reports

### Five Days Research Methodology Webinar Series

Srinivas University Research and Innovation council organized the Five Days Research Methodology Webinar Series on 1 June 2020 to 5 June 2020 from 6 PM to 8 PM. The Dr. Krishna Prasad K, Associate Professor and Director-College Research Council, College of Computer Science and Information Science, Srinivas University was Webinar Series Convenor and hosted the webinar all five days on behalf of Research and Innovation Council, Srinivas University.



## Why Publication ?



### From Researcher Point of View :

- Unlike other Degrees, Research Degree gives Two privileges :
- (1) **Ph.D. Degree** - Earned.
- (2) **Prefix Dr.** - Based on Publication (at least 2 Scholarly Publication as first author every year)

### From Publisher Point of View :

**Business Model** – Do all lobbies to maintain their Monopoly.

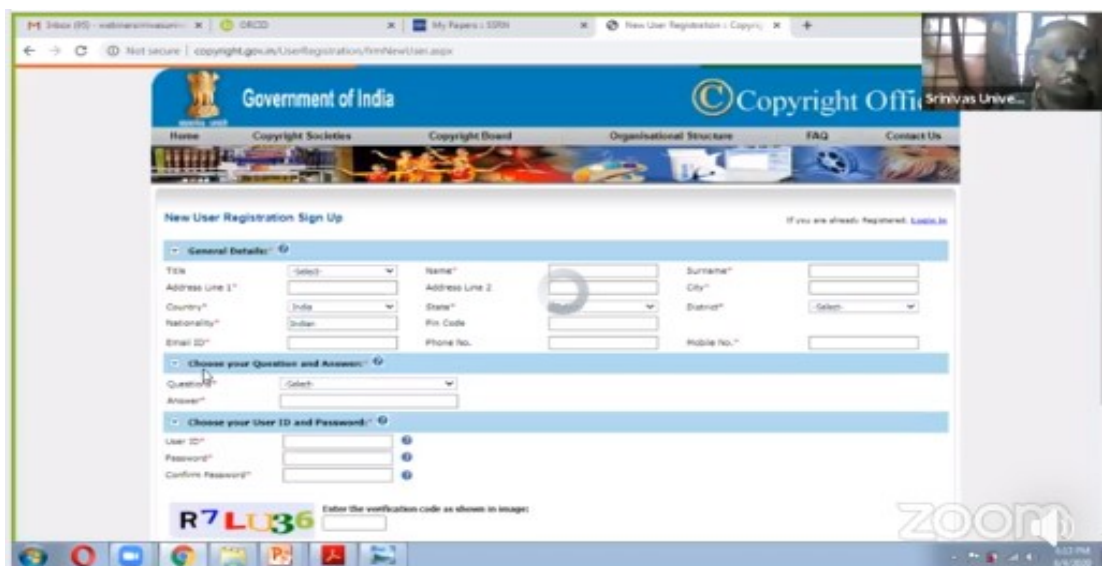
### From Society Point of View :

**Contribution to Human Development (Science, Technology, & Philosophy)**



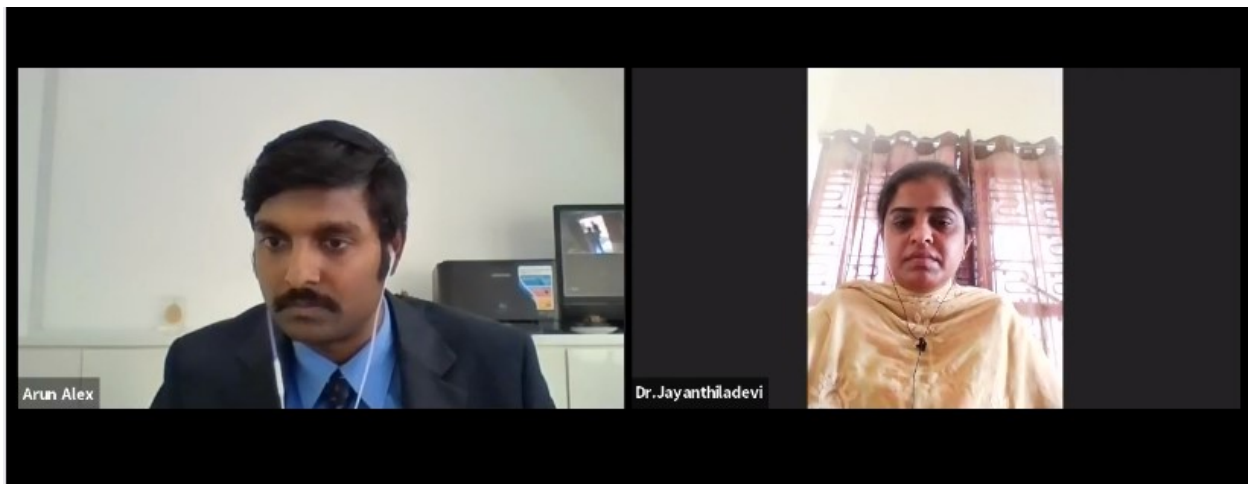
**Snapshot of Dr. P. S. Aithal, Vice-Chancellor Srinivas University was Resource Person and handling the session on Publication Strategy: Scholarly Publication and Formatting.**

The webinar was inaugurated by Dr. P. S. Aithal, Vice-Chancellor, Srinivas University. Dr. Praveen B. M., Director, Research and Innovation Council, Srinivas University explained about 5 days Webinar. There were a total of 10 sessions of 1 hour duration hosted by eminent well-experienced Professors of Srinivas University. The 10 Sessions related to various topics of Research Methodology are Research Question and Methodology, Research Strategies: How to Select Your Research Topic, Sampling, and Sample Size Determination, Publication Strategy: Scholarly Publication and Formatting, Statistical Methods – Testing of Hypothesis, Plagiarism, Copyright, and Managing Publication in Various Social Research Database like Google Scholar and SSRN, Developing Questionnaire in Management/Social Science Research, Ethics in Social Research, and How to become successful Researcher. Dr. P. S. Aithal, Vice Chancellor, Srinivas University, Mangaluru, Dr. Praveen B M, Director, Research & Innovation Council, Srinivas University, Mangaluru, Dr. Krishna Prasad K, Associate Professor & Director-CRC, College of Computer Science & Information Science Srinivas University, Mangaluru, Prof M. S. Kotian, Research Professor, Srinivas University, Mangaluru, and Dr. Narayana Kayarkatte, Research Professor, Srinivas University, Mangaluru, were five Resource Persons for the Five days Research Methodology webinar. The Webinar Series received an overwhelming response from various parts of India and 500 participants registered.



**Snapshot of Dr. Krishna Prasad K, Associate Professor & Director-CRC, handling the Session on Copyright.**

## Four days International Virtual Webinar Series on Research Trends in Computer and Information Science



### Snapshot of the Live Webinar Sessions

College of Computer Science and Information Science, Srinivas University Pandeshwar, Mangalore, Karnataka, India organized Four days International Virtual Webinar Series on Research Trends in Computer and Information Science from 10<sup>th</sup> June 2020 to 13<sup>th</sup> June 2020. Dr. A. Jayanthiladevi, Research Professor and Director-IR & IRC, College of Computer Science and Information Science, Srinivas University and Dr. Krishna Prasad K, Associate Professor and Director-CRC, College of Computer Science and Information Science, Srinivas University were Webinar Conveners. More than 500 participants registered for the Four days International Virtual Webinar Series. Three were 5 sessions every on all four days starting from 10.00 am to 4.00 pm. The details of the 20 Sessions are listed below in Tabular Format.



Session Number	Resource Person	Topic
1	Dr.PethururajChelliah, Chief Architect and Vice President-Site Reliability Engineering (SRE) Division, Reliance JioInfocomm. Ltd. (RJIL),Sarjapur Road, Bangalore	Research Trends in Digital Technologies and Tools
2	Arun Ghana Raj, Solution Architect, Qanawat LLC, Dubai,UAE	Cloud Computing Research Trends, Platforms and Tools
3	Dr.SaravanaBalaji, Assistant Professor, College of Engineering and Computer Science, Lebanese French University, Iraq	Research Trends in Block Chain Technologies
4	Dr. K.G. Nandha Kumar, Department of Cloud Technology & Data Science College of Engineering & Technology, Srinivas University	How to do Literature Review in Computer Science
5	Dr.P.Calduwel Newton, Assistant Professor-Department of Computer Science, Government Arts & Science College, Tiruchirapalli, TamilNadu	How to pursue Research Productively
6	Dr. Debabrata Singh, Assistant Professor, Department of CSIT, SOA Deemed to be University, Bhubaneswar, Odisha, India	Research Trends in Medical Applications
7	Dr.Sudeshna Chakraborty, Department of Computer science and Engineering Sharda University	Research Trends in Big Data Analytics and Hadoop
8	FHA. Shibly, Senior Lecturer in Information Technology South Eastern University of Sri Lanka	Research Trends in Green computing
9	Dr.Sujith Jayaprakash, Director and Business Head-New Edge Infotech, Ghana	Research Writing Tools and Techniques
10	Dr. Krishna Prasad K. Associate Professor & Director-College Research Council, College of Computer Science and Information Science Srinivas University, Mangaluru, Karnataka, India	Copyright, Patent, and Trademark Registration Process
11	Dr.M.Niranjnamurthy, Assistant Professor-Department of Computer Applications, M.S.Ramaiah Institute of Technology, Bangalore, Karanataka	Research Treads in Ecommerce and Digital Marketing tools
12	Dr.Ved P Mishra, Head of Academics-Engineering Associate professor-Computer science and Engineering, Dubai, UAE	Impact on Covid-19 on Computer Science Research Community
13	Dr.Mohanasundram, Associate Professor-School of Computer Science and Engineering (SCOPE) VIT University – Vellore, Tamilnadu, India.	How to work with Quartus II Multiplatform Design Environment Software for Computer Science Research
14	Dr.Prince Mary R, Department of Computer	Research Trends in

	Science, Satyabama University, Chennai, India	Machine Learning and Recommender Systems
15	Dr.RajeshKhanna, Professor and Head-Department of Information technology, Dr.NGP Arts and Science College, Coimbatore	Research trends in Biological Data Analytics
16	T. Padma, Professor and Head-Department of Master of Computer Applications, Sona College of Technology	Bio-Inspired Algorithms and Their Applications
17	Dr. Nismon Rio Robert, Assistant professor-Department of Computer Science, Chirst University, Bangalore, India	Research Trends in Next Generation Networks
18	Dr.KManikandan , Associate Professor -School of Computer Science & Engineering VIT University, Vellore, Tamilnadu	Simulation Tools forResearch in Networks
19	Dr.T.P.Latchoumi, Associate Professor, Department of Computer Science and Engineering, Vignan's University, Guntur, Andhra Pradesh	Computer Science Research Trends in interdisciplinary Areas
20	Dr.A.Jayanthiladevi., Professor-Computer Science and Information Science, Director-Industry Relations & International Research Collaborations, Srinivas University, Karnataka, India	How to Choose Research Topics, Journals for Research Article Publications & Resourceful Writings

**The entire International Virtual Webinar Series held in Zoom platform along with the live telecast in YouTube. For all the active participants e-certificate is distributed. The feedback about the session also collected from the participants at the end of the each day.**

## Journal Publications

- Vinayachandra, & Krishna Prasad, K. (2020). Application of IoT in the Development of Intelligent Education System – A Thematic Literature Review. *International Journal of Management, Technology, and Social Sciences (IJMTS)*, 5(1), 124-146. DOI: <http://doi.org/10.5281/zenodo.3775850>.
- Vinayachandra, & Krishna Prasad, K. (2020). Application of IoT in the Development of Intelligent Education System – A Thematic Literature Review. *International Journal of Management, Technology, and Social Sciences (IJMTS)*, 5(1), 124-146. DOI: <http://doi.org/10.5281/zenodo.3775850>.
- Rajeshwari, M. & Krishna Prasad, K. (2020). Application of IoT in Analyzing Cognitive Skills of Students-A Systematic Literature Review. *International Journal of Management, Technology, and Social Sciences (IJMTS)*, 5(1), 158-184.
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- Geetha Poornima, K. & Krishna Prasad, K. (2020). Application of IoT in Predictive Health Analysis– A Review of Literature. *International Journal of Management, Technology, and Social Sciences (IJMTS)*, 5(1), 185-214. DOI: <http://doi.org/10.5281/zenodo.3821147>

- Vinayachandra, K., Geetha Poornima, M., Rajeshwari & Krishna Prasad, K. (2020). Role of Technology in the Development of Smart and Secure Public Voting Systems – a Review of Literatures. *International Journal of Management, Technology, and Social Sciences (IJMTS)*, 5(1), 298-317. DOI: <http://doi.org/10.5281/zenodo.3934439>
- Vinayachandra, K., Geetha Poornima, M., Rajeshwari & Krishna Prasad, K. (2020). A Conceptual Framework for the Integrated, Smart and Secure Remote Public Voting System (SSRPVS). *International Journal of Management, Technology, and Social Sciences (IJMTS)*, 5(1), 318-334. DOI: <http://doi.org/10.5281/zenodo.3934459>
- Geetha Poornima, K. & Krishna Prasad, K. (2020). Integrated Prediction System for Chronic Disease Diagnosis to Ensure Better Healthcare. *International Journal of Health Sciences and Pharmacy (IJHSP)*, 4(1), 25-39. DOI: <http://doi.org/10.5281/zenodo.3773844>
- Rajeshwari, M., & Krishna Prasad, K. (2020). IBM Watson Industry Cognitive Education Methods. *International Journal of Case Studies in Business, IT, and Education (IJCSBE)*, 4(1), 38-50. DOI: <http://doi.org/10.5281/zenodo.3766900>.
- 8) Geetha Poornma, K. & Krishna Prasad, K. (2020). Data Analytics Solutions for Transforming Healthcare Information to Quantifiable Knowledge – an Industry Study with Specific Reference to ScienceSoft. *International Journal of Case Studies in Business, IT, and Education (IJCSBE)*, 4(1), 51-63. DOI: <http://doi.org/10.5281/zenodo.3766907>.
- Vinayachandra, & Krishna Prasad, K. (2020). IoT Solutions Industry Prospects Analysis with Specific Reference to Mobiloitte Inc. *International Journal of Case Studies in Business, IT, and Education (IJCSBE)*, 4(1), 64-78. DOI: <http://doi.org/10.5281/zenodo.3766919>.
- Rajeshwari, M. & Krishna Prasad, K. (2020). A Modified Conceptual Model to Improve Classroom Education with Cognitive Learning. *International Journal of Applied Engineering and Management Letters (IJAEML)*, 4(1), 61-75. DOI: <http://doi.org/10.5281/zenodo.3773927>.
- Vinayachandra, & Krishna Prasad, K. (2020). Integrated Intelligent Education System using Adaptive IoT Technology. *International Journal of Applied Engineering and Management Letters (IJAEML)*, 4(1), 76-92. DOI: <http://doi.org/10.5281/zenodo.3775328>
- Krishna Prasad, K., Vinayachandra, K., Geetha Poornima, & Rajeshwari, M. (2020). Literature Review of Applications of ICT on Solar Cold Chain. *International Journal of Applied Engineering and Management Letters (IJAEML)*, 4(1), 93-111. DOI: <http://doi.org/10.5281/zenodo.3779806>.
- Krishna Prasad, K., Vinayachandra, K., Geetha Poornima, & Rajeshwari, M. (2020). An Integrated Solution for Solar Cold Chain Portfolio Management using Internet of Things. *International Journal of Applied Engineering and Management Letters (IJAEML)*, 4(1), 112-130. DOI: <http://doi.org/10.5281/zenodo.3780575>
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- Sai Manoj, K. & Aithal, P. S. (February 2020). Data Mining and Machine Learning Techniques for Cyber Security Intrusion Detection. *International Journal of Engineering and Advanced Technology (IJEAT)*, 9(3), 4084-4090. ISSN: 2249 – 8958. DOI: <http://doi.org/10.35940/ijeat.C5979.029320>. Blue Eyes Intelligence Engineering & Sciences Publication.

- Sai Manoj, K. & Aithal, P. S. (March 2020). Blockchain Cyber Security Vulnerabilities and Potential Countermeasures. *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 9(5), 1516-1522. ISSN: 2278-3075. Blue Eyes Intelligence Engineering & Sciences Publication.
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DOI: <http://doi.org/10.5281/zenodo.3966222>.
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- Paul, P. K., Aithal P. S., Sinha, R. R., Ricardo Saavedra, BashiruAremu (June 2020). Agro Informatics with its Various Attributes and Emergence: Emphasizing Potentiality as a Specialization in Agricultural Sciences — A Policy Framework. *IRA International Journal of Applied Sciences*, 14(4), 34-44. (ISSN 2455-4499),  
DOI: <http://dx.doi.org/10.21013/jas.v14.n4.p1>.
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- P. K. Paul, R. R. Sinha, P. S. Aithal, Ricardo Saavedra, & BashiruAremu (June 2020). Agro Informatics Emphasizing its Potentiality as a Full-Fledged Degree Programs: International Context and Indian Potentialities. *Asian Journal of Computer Science and Technology*, ISSN: 2249-0701 9(1), 19-26. ISSN: 2249-0701 © The Research Publication, [www.trp.org.in](http://www.trp.org.in)



## Books/Book Chapter Publications

- ❖ Krishna Prasad K (2020). Vedic Mathematics Made Basic Mathematical Calculations Easy and at our Finger Tips. April 2020. Applied Arts Science In IT Age, Edited by Dr. P. K. Paul, New Delhi Publishers, New Delhi, India. Chapter 5, pp. 51-72. ISBN: 978-93-88879-90-3.
- ❖ Krishna Prasad K (August 2020). Eco-Friendly Clean Technologies Challenges and Opportunities- A Systematic Study. In “Environmental Information Sciences: With aspects on Allied Areas & other emerging interdisciplinary Environmental Concerns” edited by P.K. Paul et al. published by New Delhi Publishers, New Delhi, India, pp. 41-74. ISBN: 978-93-88879-91-0.
- ❖ Vinayachandra, Geetha Poornima K and Rajeshwari M (August 2020). Electronic Recycling and Disposal-a systematics study. In “Environmental Information Sciences: With aspects on Allied Areas & other emerging interdisciplinary Environmental Concerns” edited by P.K. Paul et al. published by New Delhi Publishers, New Delhi, India, pp. 125-158. ISBN: 978-93-88879-91-0.
- ❖ P.K. Paul, P. S. Aithal, Ricardo Saavedra, BashiruAremu and R.R. Sinha (August 2020). Environmental Informatics and its Features, Functions and Stakeholders: A Comprehensive Overview. In “Environmental Information Sciences: With aspects on Allied Areas & other emerging interdisciplinary Environmental Concerns” edited by P.K. Paul et al. published by New Delhi Publishers, New Delhi, India, pp. 1-12. ISBN: 978-93-88879-91-0.
- ❖ Paul, P. K. & Aithal, P. S. (2020). Environmental Informatics: Aspects in Society, Economy and Development—A Study. April 2020. Applied Arts Science In IT Age, Edited by Dr. P. K. Paul, New Delhi Publishers, New Delhi, India. Chapter 5, pp. 73-83. ISBN: 978-93-88879-90-3.

## Copyright/Patent Registration

Copyright Registration by Copyright Office, Government of India (by Dr. P. S. Aithal)

ROC Number	Old DiaryNo	Work Title	Class of Work	Submitted By	Submitted On	Status	Documents	Work Atatus
L-91693/2020	20729/2019-CO/L	Strategic Management of Universal Technologies for Redefining Productivity and Performance	Literary/ Dramatic	Sreeramana Aithal	25/12/2019	Registered	<a href="#">View</a>	Work Online

Copyright Registration by Copyright Office, Government of India (by Dr.Krishna Prasad K)

L-89238/2020	20203/2019-CO/L	ABCD Analysis of Fingerprint Biometric Attendance Maintenance System	Literary/ Dramatic	Krishna Prasad Karani	16/12/2019	Registered	<a href="#">View</a>	Work Online
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Patent Search				
Patent Search	Patent E-register	Application Status	Help	
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Application Number	Title	Application Date	Status	
202031019607	METHOD FOR DIAGNOSE MEDICAL PROBLEM THROUGH MEDICAL IMAGE PROCESSING USING BIG DATA AND MACHINE LEARNING	08/05/2020	Published	<a href="#">Application Status</a>
Total Document(s): 1		Page:	First << 1 >> Last	

## PROBLEM THROUGH MEDICAL IMAGE PROCESSING USING BIG DATA AND MACHINE LEARNING

# COLLEGE OF ENGINEERING AND TECHNOLOGY

## Publications

- Bhat, D.K. and Shenoy, S.U. (2020).Mg/Ca Doping Ameliorates the Thermoelectrics Properties of GeTe: Influence of Electronic Structure Engineering. *J. Alloys Compd.*, 834, 155989. DOI: <https://doi.org/10.1016/j.jallcom.2020.155989>.
- Bhat, D.K. and Shenoy, S.U. (2020).SnTe Thermoelectrics: Dual Step Approach for Enhanced Performance. *J. Alloys Compd.*, 834, 155181. DOI: <https://doi.org/10.1016/j.jallcom.2020.155181>.
- Shenoy, S.U. and Bhat, D.K. (2020).Enhanced Thermoelectric Properties of Vanadium Doped SrTiO<sub>3</sub>: A Resonant Dopant Approach. *J. Alloys Compd.*, 832, 154958. DOI: <https://doi.org/10.1016/j.jallcom.2020.154958>.
- Bantawal, H., Shenoy, S.U. and Bhat, D.K. (2020). Vanadium-Doped SrTiO<sub>3</sub> Nanocubes: Insight into Role of Vanadium in Improving the Photocatalytic Activity. *Appl. Surf. Sci.*, 513, 145858. DOI: <https://doi.org/10.1016/j.apsusc.2020.145858>.
- Sethi, M., Shenoy, S.U.,Selvakumar, M. and Bhat, D.K. (2020).Facile Solvothermal Synthesis of NiFe<sub>2</sub>O<sub>4</sub> Nanoparticles for High Performance Supercapacitor Applications.*Front. Mater. Sci.*,14 (2), 120 – 132.DOI:10.1007/s11706-020-0499-3.
- Sethi, M., Shenoy, S.U. and Bhat, D.K. (2020).Porous Graphene-NiCo<sub>2</sub>O<sub>4</sub> Nanorod Hybrid Composite as High Performance Supercapacitor Electrode Material. *New J. Chem.*, 44, 4033 – 4041. DOI: <https://doi.org/10.1039/C9NJ05725K>.

- Ms Shilpa S, "Finite Element Analysis of Cylindrical and Spherical Concrete Vaults", International Journal for Modern Trends in Science and Technology, Volume 6, Issue 6, 2020.
- Ms Shilpa S, "Blast Analysis of Infilled steel Tube Columns", International Journal for Modern Trends in Science and Technology, Volume 6, Issue 6, 2020.
- N. M. Mallikarjuna · J. Keshavayya · B. M. Prasanna B. M. Praveen H. C. Tandon (2020) Synthesis, Characterization, and Anti-corrosion Behavior of Novel Mono Azo Dyes Derived from 4,5,6,7-Tetrahydro-1,3-benzothiazole for Mild Steel in Acid Solution *Journal of Bio- and Tribo-Corrosion* (2020) 6:9 <https://doi.org/10.1007/s40735-019-0306-9>
- D. Rashmi · G. P. Pavithra · B. M. Praveen · Deepa Devapal Development of Nanocrystalline Multilayer Ni-Fe alloy coatings: Characterization and its Corrosion behavior at elevated temperature., *Bulletin of Materials Science*, 43 ,131 (2020) . <https://link.springer.com/article/10.1007/s12034-020-02087-6>
- D. Rashmi · G. P. Pavithra · B. M. Praveen · Deepa Devapal · K. O. Nayana · G. Nagaraju (2020) Electrodeposition of Zn-Ni monolithic coatings, characterization and corrosion analysis., *Journal of Failure Analysis and Prevention*. 20,513–522 (2020). <https://doi.org/10.1007/s11668-020-00848-3>
- Pavitra V; Udayabhanu Udayabhanu; Harini R; Viswanatha R.; Praveen B.M.; Nagaraju G, (2020) Sonochemical synthesis of SnO<sub>2</sub>-CuO nanocomposite: Diverse applications on Li-ion battery, Electrochemical sensing and Photocatalytic activity. *Journal of Materials Science: Materials in Electronics*. DOI: 10.1007/s10854-020-03408-5
- D. Rashmi · G. P. Pavithra · B. M. Praveen · Deepa Devapal · K. O. Nayana, Sudheendra P. Hebbar Characterization and Corrosion Analysis of electrodeposited Nanostructured Zn-Fe Alloy Coatings", has been accepted for publication in. *Journal of Bio- and Tribo-Corrosion* <https://doi.org/10.1007/s40735-020-00380-9>
- Narayana Hebbar · B. M. Praveen · B. M. Prasanna · P. Vishwanath ( 2020) Electrochemical and Adsorption Studies of 4-Chloro,8-(Trifluoromethyl)Quinoline (CTQ) for Mild Steel in Acidic Medium <https://doi.org/10.1007/s11668-020-00944-4>
- Aithal P. S. & Aithal Shubhrajyotsna (March 2020). Promoting Faculty and Student-Centered Research and Innovation based Excellence Model to Reimage Universities. *International Journal of Management, Technology, and Social Sciences (IJMTS)*, 5(1), 24-41. ISSN : 2581-6012, DOI: <http://doi.org/10.5281/zenodo.3702399>.
- Aithal, P. S. & Shubhrajyotsna Aithal, (June 2020). Conceptual Analysis on Higher Education Strategies for various Tech-Generations. *International Journal of Management, Technology, and Social Sciences (IJMTS)*, 5(1), 335-351. ISSN : 2581-6012, DOI: <http://doi.org/10.5281/zenodo.3940590>.
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