

**JNTUACEA CIVIL ENGINEERING DEPARTMENT FACULTY PUBLICATIONS,PATENT'S AND AWARDS :-**

<b>Prof. R. Bhavani</b>			
<b>Title</b>	<b>Journal name</b>	<b>Date</b>	<b>citation</b>
Adsorption of Cadmium from Aqueous Solutions Using Low cost Materials-A Review	IJET	2018	0
Logarithmic method of groundwater quality index in palar basin at chittoor district, andhra Pradesh	International Journal of Technical Innovation in Modern Engineering & Science	2018	0
Assessment of Physico Chemical of Groundwater Quality Parameters Salinity Index of Palar Basin using Remote Sensing and GIS.			0
Assessment of rainfall recharge in a basin	International Journal of Research and Analytical Reviews	2019	0
Computation of Groundwater Draft for Handri River Basin in Andhra Pradesh	Helix	2019	1
Significant groundwater level decline for Handri river basin, Andhra Pradesh	india Journal of Indian water works association	2020	0
Response Surface Optimization Of Fixed Bed Adsorption Of Cr+6 Onto Low-Cost Adsorbent	Current World Environment	2020	0
Groundwater Investigation by Electrical Resistivity Method in Cheyyeru River Basin, District-Kadapa,Andhra Pradesh	Journal of Indian water works association	2021	0
Green Treatment And Artificial Neural Networks For The Breakthrough Analysis Of Single And Multi-Variant Elements	Research Journal Of Chemistry And Environment	2021	
Effect Of Carbonization Temperature In The Production And Utilization Of Green Carbons For Chromium (VI) Removal	Journal of Civil Engineering and Applications	2021	1
Chemically Modified Lignocellulosic Biochars From Vetiver Onto Adsorption Of Pb+2 And Ni+2	Advanced Engineering Science	2022	0
<b><u>Books/chapters</u></b>			
A Study on Assessment of Ground water Resources in a Basin by Water Table Fluctuation Method	Springer Link <a href="https://drive.google.com/u/0/open?usp=forms_web&amp;id=1SIAA2wd2TDCseeG_vhgVonzpVDy7NWRK">https://drive.google.com/u/0/open?usp=forms_web&amp;id=1SIAA2wd2TDCseeG_vhgVonzpVDy7NWRK</a>	2021-2022	
<b><u>Prof. H.Sudarsana Rao</u></b>			
Failure Control of a Skyscraper using different methods of Retrofitting	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES)	2018	0
Design of a Structure supported on a Single Column	International Journal of Creative Research Thoughts (IJCRT)	2018	0
Effect of Diaphragm Discontinuity in the Seismic Response of Multi-Storey Building	International Journal of Technical Innovation in Modern Engineering Science (IJTIMES)	2018	0
Effect of Wind Load on Low, Medium, High Rise Buildings in different Terrain Category	International Journal of Technical Innovation in Modern Engineering	2018	0

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	& Science (IJTIMES)		
Analysis and Design of Skyscraper building of G60 Storeys in all Seismic Zones by using ETABS Software	International Journal of Technical Innovation in Modern Engineering Science (IJTIMES)	2018	0
Analysis of Braced Unsymmetrical RCC Building Using SAP2000	International Journal of Technical Innovation Engineering & Science (IJTIMES)	2018	0
Study on performance of ternary blended high strength hybrid fiber reinforced concrete	International Journal of Civil Engineering and Technology	2018	2
The Behaviour of Self Compacting Concrete with Waste Plastic Fibers When Subjected to Chloride Attack.	Materials Today: Proceedings	2018	18
Modelling and analysis of flyover deck slab with U-boot technology	International Journal of Civil Engineering and Technology	2018	0
Strength studies on eopolymer Concrete produced with Recycled Coarse Aggregates and Quarry Stone Dust	International Journal of Civil Engineering and Technology (IJCIET)	2018	1
Studies on geopolymer concrete with partial replacement of sand by quarry stone dust	International journal of Civil Engineering and Technology (IJCIET)	2018	0
Permeability studies on High-Performance Concrete with the replacement of Fine aggregate by Manufactured sand	International Journal of Civil Engineering and Technology (IJCIET)	2018	0
Experimental work on effect of magnetized water on concrete by partial replacement of cement with dolomite powder	<i>International Journal of Advanced Science and Technology</i>	2019	1
Seismic Analysis of RC Elevated Water Tank in Different Seismic Zones	International Journal of Civil Engineering and Technology (IJCIET)	2019	0
Permeability Studies on E-Waste Cement Concrete with Metakaolin Admixture	Journal of Advanced Research in Dynamical and Control Systems	2019	0
Experimental work on effect of magnetized water on concrete by partial replacement of cement with dolomite powder	<i>International Journal of Advanced Science and Technology</i>	2019	1
Strength performance studies on E-waste cement concrete with metakaolin	<i>International Journal of Advanced Science and Technology</i>	2019	0
Experimental investigation for workability and compressive properties of high strength concrete with Al <sub>2</sub> O <sub>3</sub>	<i>International Journal of Advanced Science and Technology</i>	2019	0
Effect of Hydrochloric acid on Split Tensile Strength of Fly Ash based Geopolymer Concrete with Recycled Aggregates	Journal of Advanced Research in Dynamical	2019	0
Compressive and Tensile Strength studies on E-Waste Cement Concrete with Silica Fume	Journal of Advanced Research in Dynamical	2019	0
Wind and Seismic Analysis of High Rise Building with and without Steel Jacks using SAP2000	Journal of Advanced Research in Dynamical	2019	0
Effect of Hydrochloric Acid on Compressive Strength of Flyash based Geopolymer based Recycled Aggregate Concrete	Journal of Advanced Research in Dynamical	2019	0
Strength and workability studies of Geopolymer Concrete with Recycled Coarse Aggregate and Quarry Stone Dust	International Journal of Advanced Science and Technology	2019	0

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Pushover Analysis of a Reinforced Concrete High Rise Building with Aerated Autoclave Concrete Brick Infill and its Behaviour with and without a Shear wall	International Journal of Advanced Science and Technology	2019	0
Analysis of Perforated Steel Unequal Angle Members by using Abacus	International Journal of Advanced Science and Technology	2019	0
Comparative study of Recycled Building Material Waste, Copper Slag Waste and Egg Shell Waste as a Partial Replacement for Sand in Cement Blocks	Journal Of Advanced Research in Dynamical and Control Systems	2019	0
Effect of sulphuric acid on compressive strength of fly ash based geopolymer concrete	Journal of Advanced Research in Dynamical and Control Systems	2019	0
Vibration Machinery and Seismic Resistance Behaviour Analysis of Steel structures in Different Zones	International Journal of Advanced Science and Technology	2020	0
Rapid chloride permeability studies on high strength concrete with nano al <sub>2</sub> o <sub>3</sub> and silica fume	International Journal of Advanced Science and Technology	2020	0
Experimental study on durability characteristics of composite fiber reinforced high-performance concrete incorporating nanosilica and ultra fine fly ash	Construction and Building Materials	2020	16
Feasibility study on production of Geopolymer Masonry bricks with Phosphogypsum and flyash (Oven dried)	International Journal of Engineering Research and Technology	2020	1
Geopolymer Masonry bricks production using Phosphogypsum and flyash (Airdried Samples)	International Journal of Engineering Research and Technology	2020	1
Comparision of Seismic Analysis of Buildings resting on Sloping/Unevenground using STAAD Pro and E-TABS	International Journal of Advanced Science and Technology	2020	0
Carbonation Induced Corrosion of RC Structures-A Review	International Journal of Advanced Science and Technology	2020	0
Development of Geopolymer Foam mixes towards building sustainable infrastructure	International Journal of Advanced Science and Technology	2020	0
Effect of FlyAsh, Silica Fume, Glass Fiber and Polypropylene Fiber on Strength Properties of Composite Fiber Reinforced High Performance Concrete	International Journal of Engineering Trends and Technology	2021	8
Behaviour of Fly ash and Metakaolin based Composite Fiber (Glass and Polypropylene) Reinforced High Performance Concrete under Acid Attack	Civil Engineering and Architecture	2021	4
Chloride Penetration Resistance and Behaviour under acid attack of Metakaolin and Silica Fume based composite fibre (glass and polypropylene) reinforced high performance concrete	International Journal of Engineering Trends and Technology	2021	5
Evaluation of strength properties of Flyash and Metakaolin based composite fibre (glass and polypropylene) reinforced high performance concrete	International Journal of Engineering Trends and Technology	2021	8
Durability and micro-structure studies on fly ash and silica fume based composite fiber reinforced high-performance concrete	Materials Today: Proceedings,	2021	7
Evaluation of strength parameters of ultra-fine flyash and nanosilica incorporated High-Performance Concrete	Materials Today: Proceedings	2021	2
XRD & SEM studies of fly-ash and phosphogypsum based geopolymer bricks	International Journal of Engineering Trends and Technology	2021	3
Behaviour of Fly Ash and Silica Fume based Composite Fiber (Glass and	IOP Conference Series: Earth and	2021	4

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Polypropylene) reinforced High-Performance Concrete under Acid Attack	Environmental Science,		
Evaluation of Strength Parameters of Metakaolin and Nanosilica Incorporated High-Performance Concrete	IOP Conference Series: Earth and Environmental Scienc	2021	2
Seismic analysis of coupled shear wall in Multi-storey buildings with different rebars using SAP2000	Design Engineering	2021	0
Analysis and design of steam turbo generator foundation using STAAD-PRO	Design Engineering	2021	0
Performance of multi storied building with curved shear walls	Design Engineering	2021	0
Impact on strength properties of concrete using marble waste aggregate and slag sand incorporating silica fume	Design Engineering	2021	0
Comparative Analysis of the Strength Properties of Concrete with Slag Sand and Bethamcherla Stones with Silicafume as partial Cement Replacement	Design Engineering	2022	1
Blast Resistant Analysis and Its Impact on Buildings using ETABS	Design Engineering	2022	0
Replacement Effect of Fine Aggregate with Copper Slag on Permeability and Strength of Recycled Aggregate Concrete	Design Engineering	2022	0
Comparative Assessment of Concrete filled steel tube (CFST) Columns using ABAQUS	Design Engineering	2022	1
Strength Characteristics of Fly Sah Blended Concrete with Slag Sand and Marble Waste Aggregate	Design Engineering	2022	0
Studies on low calcium flyas-GGBS based Geopolymer concrete with slag Sand	Design Engineering	2022	0
An Experimental Study on Strength Properties of Tabby Concrete with Sea Shell Coarse Aggeragte	Journal of Northeastern University	2022	1
Comparative Analysis of a Reinforced Concrete framed structure under performance based analysis considering post tensioned members at the edges using Etabs as a tool	Journal of Northeastern University	2022	2
Utilization of used engine oil in Concrete as an Admixture	Journal of Northeastern University	2022	0
Strength Characteristics of Comparative Ananlysis of Behaviour of Horizontal and Vertical Irregular Buildings with and without using Shear Walls by ETSBS Software	Multidisciplinary Journal of Educational Research	2022	0
Comparative Analysis of Earthquake Resistant Building Design by Considering Bracing and Shearwall System using ETABS Software	Multidisciplinary Journal of Educational Resear	2022	0
Analysis of Fragility Curves of RC Flat Slab Buildings with and without infill Effect using Pushover Method	Multidisciplinary Journal of Educational Resear	2022	1
<b><u>Books/chapters</u></b>			
Finite Element Analysis of Slurry Infiltrated Fibrous Concrete Slabs,	Lambert Publishers,	2019	
Studies on wood waste ash structural grade concrete for sustainability	Lambert Publishers	2021	
<b><u>Prof.P.R.Bhanu Murthy</u></b>			
Determining Classification and Standard Dimension of Vehicles for Calculating Saturation Flow for Signalized Urban Intersections	Journal of Architecture and Civil Engineering	2021	0

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Vissim as a Simulation Tool for AnalyzingOver-Saturated Signalized Urban Intersections with Heterogenous Traffic	GORTERIA JOURNAL	2021	0
<b><u>Prof. S. Krishnaiah</u></b>			
Leachability behavior of heavy metals by contaminated soil with additives	Ecology, Environment and Conservation	2019	<u>0</u>
Improvement of Stabilization Characteristics of Black Cotton Soil Using Ternary Blend For Flexible pavement Construction	Int. Organization of Scientific Research Journal of Engineering (IOSRJEN)	2019	0
Determination of Optimum Value of Stabiliser For Stabilization of Black Cotton Soil Using Cement, GGBS and Matakaolin	Int. Journal of Engineering Applied Sciences and Technology	2020	0
Determination of Bearing Capacity of Black Cotton Soil Stabilised With Ternary Blend For Filed Application	Int. Journal of Engineering Applied Sciences and Technology	2020	0
Effect of Climate Change on Rainfall Trend in Krishna river Sub-Basin, Andhra Pradesh Using SDSM	Int. Journal of Technical Innovation in modern Engineering	2020	0
Groundwater level Forecasting Using Gravity Recovery and Climate Experiment (GRACE)By Artificial Neural Network(ANN) for Krishna River Basin	Solid State Technology	2020	0
Strength Development of Geopolymer Composites Made from Red Mud-Fly Ash as a Subgrade material in Road Construction	Journal of Hazardous, toxic, and Radioactive Waste, ASCE	2021	16
Comparative Study of Soil Stabilization With Glass Powder, ScrapRubber Tires & Sea Sand: A Review	Int. Journal of analytical and experimental model analysis	2021	0
Utilization of Red Mud-Fly Ash Reinforced with Cement in Road Construction Applications	Journal of Advances in Materials Science and Engineering	2021	4
Assessment of Flood Vulnerability Index for Krishna River Basin in Krishna, Guntur and Prakasam Districts of Andhra Pradesh	Int. J. Syst. Assur Eng Manag, Springer, Published	2021	1
Comparative Study on Strength Properties of Redmud with Fly Ash and Redmud with GGBS to Use as a Subgrade Material	Design Engineering	2021	0
Statistical Downscaling of rainfall Under Climate Change in Krishna River Sub-basin of AnadhraPradesh,india using Artificial Neural Network (ANN)	Nature Environment and pollution Technology An International Quarterly Scientific Journal	2021	1
Strength and Leaching Characteristics of Red Mud (Bauxite Residue) as a Geomaterial in Synergy with Fly Ash and Gypsum	Transportation Research Interdisciplinary Perspectives	2022	2
An Integrated Tool for Aggregate Blending for Bituminous Concrete Layer Using C-Programming	Journal of Emerging Technologies and Innovative Research(JETIR)	2018	0
"F Modified with Poly Phosphoric Acid	Journal of Indian Highways(IRC)	2019	0
Job Mix Formulation for Bituminous Concrete Grade II Using C# programming	Proceedings of Engineering and Technology	2019	0
Data Visualization Through Exploratory data Analysis (EDA) A Data Science Approach For EngineeringProblems	Parishodh Journal	2020	0
A Study on Physico-Chemical Analysis of Ground Water and Heavy Metal Analysis of Leachate in Kodungaiyur Landfill Site, Chennai	Materials Science and Engineering	2021	01
<b><u>Books/chapters</u></b>			
Engineering graphics	Spectrum education <a href="https://drive.google.com/u/0/open?usp=forms_web&amp;id=1iZi1Mx5NvAJ1j9h2vc9rIObMuL2jx7JX">https://drive.google.com/u/0/open?usp=forms_web&amp;id=1iZi1Mx5NvAJ1j9h2vc9rIObMuL2jx7JX</a>	2019	
<b><u>Prof.V.Bhaskar Desai</u></b>			
Flexural Study on Slab Specimens with Partial to Fully Replacement of Natural Coarse Aggregate by Light Weight Expandable Clay Aggregate (LECA).	International Journal of Technical Innovation in Modern Engineering	<b>2018</b>	1
Flexural Study on Slab specimens of Modified Concrete using Light Expandable Clay Aggregate, Sintered Fly-ash Aggregate and Hexa Blended Cement along with Pozzolanic & Nano Materials	International Journal of Technical Innovation in Modern Engineering & Science	<b>2018</b>	0

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Flexural Study Through Slab Specimens with Fully Replacement of Natural Coarse Aggregate by Cold Bonded Silica Fume Aggregate with Nano Aluminium Oxide.	International Journal of Technical Innovation in Modern Engineering & Science	<b>2018</b>	0
Some studies on the Strength Properties of Concrete Modified with Light Expandable Clay Aggregates and Hepta Blended Cement Along with Pozzolanic & Nano materials	International Journal of Technical Innovation in Modern Engineering & Science	<b>2018</b>	0
An experimental investigation on sintered fly ash aggregate concrete modified with nano silicon dioxide on two way slabs in flexure	International Journal of Creative Research Thoughts	<b>2018</b>	0
A brief study on the new generation concrete replacing cement and fine aggregate with sugarcane bagasse ash and robo sand along with acid resistant studies	International journal of technical innovation in modern engineering & science	<b>2019</b>	0
Flexural study on slab specimens with partial to fully replacement of natural coarse aggregate by cold bonded silica fume aggregate	International journal of advance engineering and research development	<b>2018</b>	0
Flexural Study on Slab Specimens with Partial to Fully Replacement of Natural Coarse aggregate by Sintered Fly Ash Aggregate	International Journal for Research in Applied Science and Engineering Technology (IJRASET)	<b>2019</b>	0
A brief investigation on the durability studies of concrete modified with partial replacement of cement with bagasse ash and fine aggregate with copper slag in concrete	International Journal of Technical Innovation in Modern Engineering & Science.	<b>2019</b>	0
A Brief Study on the Strength Properties of Modified Concrete using Light Expandable Clay Aggregate, Sintered Fly-Ash Aggregate and Tetra Blended Cement along with Pozzolanic & Nano Materials	International Journal for Research in Applied Science and Engineering Technology (IJRASET)	<b>2019</b>	0
Flexural Study on Slab specimens of Modified Concrete using Light weight Silica Fume Aggregate, Sintered Fly-ash Aggregate, LECA and Penta Blended Cement with Pozzolanic and Nano Materials	International Journal of Technical Innovation in Modern Engineering & Scie	<b>2018</b>	0
Flexural Study on Slab Specimens of Modified Concrete using Light Weight Silica Fume Aggregate, Sintered Fly-ash Aggregate and Penta Blended Cement with Pozzolanic and Nano Materials	International Journal for Research in Applied Science and Engineering Technology (IJRASET)	<b>2019</b>	0
<b>Prof. C. Sashidhar</b>			
Drivers' Opinion on Road Safety for Indian National Highway 40 passing through Kurnool district, Andhra Pradesh	A Questionnaire Study" International Journal of civil Engineering and Technology	2018	<u>0</u>
Study and predicting the stress-strain characteristics of geopolymer concrete under compression.	Case Studies in Construction Materials	2018	16
Predicting compressive strength of geopolymer concrete using NDT techniques.	Asian Journal of Civil Engineering, Springer,	2018	15
Effect of fineness modulus of manufactured sand on fresh properties of self-compacting concrete	Indian Concrete Journal	2018	2
Effect of artificial sand on fresh characteristics of self-compacting geopolymer concrete	Indian Concrete Journal	2018	3
Evolution of 112-day drying shrinkage equation of fly ash blended self-compacting concrete	Asian Journal of Civil Engineering	2018	2
Self – Healing Concrete with Crystalline Admixture	A Review", Journal of Wuhon University of Technology	2019	13
Investigation on Ternary Blended Self Compacting Concrete using fly ash and Alccofine	International Journal of Recent Technology and Engineering (IJRTE)	2019	19
Mechanical Properties of Self Compacting Geopolymer Concrete at Elevated Temperature	International Journal of Technical Innovation in Modern Engineering	2019	0
Sonic Pulse Velocity at High Temperature	International Journal of Innovative technology and Exploring Engineering (IJTEE)	2019	0

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Mechanical and water transport performance of sustainable geopolymer composite using binary blends of pozzolanic materials	JurnalTeknologi	2019	5
Flexural studies on reinforced geopolymer concrete beams under pure bending	Advances in Concrete Construction	2019	2
Mechanical Properties of Self Compacting Geopolymer Concrete at Elevated Temperature	International Journal of Technical Innovation in Modern Engineering	2019	0
Self-Compacting Concrete with Recycled Coarse Aggregate and Manufactured Sand	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0
Micromechanical Properties of Self-Healing Concrete with Crystalline Admixture and Silica Fume	ACI Materials Journal	2020	5
Effect of Copper Stage on Micro, Macro, and Flexural Characteristics of Geopolymer Concrete	ASCE Journal of Materials in Civil Engineering	2020	17
Fine Aggregate Partially Replaced With Crushed Waste Glass	International Journal of Advanced Research in engineering and Technology(IJARET)	2020	0
Strength and Durability Studies of Cement Concrete M45 Fine Aggregate partially Replaced with Waste Crushed Glass	Springer, Emerging and Trends Civil engineering,	2020	0
Strength Properties of Self – Compacting Concrete Prepared with Recycled Coarse Aggregate and Manufactured Sand	IJCAR International Journal of Current Advanced Research	2020	0
Flexural Strength of SCC with Recycled Coarse Aggregate and Manufactured Sand.	International Journal of Recent Scientific Research	2020	0
Effect of alccofine and fly ash on analytical methods of self-compacting concrete.	Innovative Infrastructure Solutions, Spring nature, Switzerland	2020	7
Durability Performance of Self Compacting Concrete Incorporating Alccofine and FlyAsh	IJE TRANSACTIONS B	2021	7
Effect of Macro Synthetic Fibres on Fresh Properties and Strength of Self – Compacting Concrete	Journal of Interdisciplinary Cycle Research	2021	0
Design and development of sustainable geopolymer using industrial copper by product	Elsevier - Journal of Cleaner Production	2021	24
Moment carrying capacity of RSCC beams incorporating alccofine and fly ash	Pollack Periodica	2021	3
An Experimental Study on the Effect of Macro-Synthetic Fibers on the Impact Resistance of Self-Compacting Concrete Two-Way Slabs	International Journal of Advanced in Management,Technology and Engineering Sciences	2022	0
Automation of Mix Design of Self-Compacting Concrete as per IS 10262:2019	Journal of Interdisciplinary Cycle Research.	2022	0
Improving the Self Healing Capabilities of Concrete Using Different Pozzolanic Materials and Crystalline Admixtures	Journal of Wuhan University of Technology	2022	0
<b>Books/chapters</b>			
Development & Evaluation Of Normal Strength Self Compacting Concrete By Using Simple Mix Design Tool	<a href="https://drive.google.com/u/0/open?usp=forms_web&amp;id=1xucaV4Jb3lZpjPIIFHVOm8unBNQLser">https://drive.google.com/u/0/open?usp=forms_web&amp;id=1xucaV4Jb3lZpjPIIFHVOm8unBNQLser</a>	2018-2019	
Strength and Shrinkage studies on SCC using Manfactured Sand	<a href="https://drive.google.com/u/0/open?usp=forms_web&amp;id=1dDHkHmY9R2uWc-oUCNoK4u0V-8kLIMf9">https://drive.google.com/u/0/open?usp=forms_web&amp;id=1dDHkHmY9R2uWc-oUCNoK4u0V-8kLIMf9</a>	2019-2020	
Advanced Self healing Materials in Concrete Composites	<a href="https://drive.google.com/u/0/open?usp=forms_web&amp;id=1Ph2W5A4kBxR74Om">https://drive.google.com/u/0/open?usp=forms_web&amp;id=1Ph2W5A4kBxR74Om</a>	2020-2021	
Reinforced Self Compacting Concrete Blended with Fly Ash and Alccofine	<a href="https://drive.google.com/u/0/open?usp=forms_web&amp;id=1Asil-OGIXx4OJ9J-">https://drive.google.com/u/0/open?usp=forms_web&amp;id=1Asil-OGIXx4OJ9J-</a>	2021-2022	
<b>AWARDS</b>			
BEST EMPLOYEE AWARD	<a href="https://drive.google.com/u/0/open?usp=forms_web&amp;id=1v0cNSfkb9yUO9uLeo8CYRqZHriOczZtR">https://drive.google.com/u/0/open?usp=forms_web&amp;id=1v0cNSfkb9yUO9uLeo8CYRqZHriOczZtR</a>	2021	
<b>Prof. Vaishali. G.Ghorpade</b>			

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Failure Control of a Skyscraper using different methods of Retrofitting	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES)	2018	0
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Effect of Diaphragm Discontinuity in the Seismic Response of Multi-Storey Building	International Journal of Technical Innovation in Modern Engineering	2018	0
Effect of Wind Load on Low, Medium, High Rise Buildings in different Terrain Category	International Journal of Technical Innovation in Modern Engineering	2018	0
Analysis and Design of Skyscraper building of G60 Storeys in all Seismic Zones by using ETABS Software	International Journal of Technical Innovation in Modern Engineering Science (IJTIMES)	2018	0
Analysis of Braced Unsymmetrical RCC Building Using SAP2000	International Journal of Technical Innovation Engineering & Science	2018	0
Study on performance of ternary blended high strength hybrid fiber reinforced concrete	International Journal of Civil Engineering and Technology	2018	2
The Behaviour of Self Compacting Concrete with Waste Plastic Fibers When Subjected to Chloride Attack.	Materials Today: Proceedings	2018	18
Modelling and analysis of flyover deck slab with U-boot technology	International Journal of Civil Engineering and Technology	2018	0
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Permeability studies on High-Performance Concrete with the replacement of Fine aggregate by Manufactured sand	International Journal of Civil Engineering and Technology (IJCIET)	2018	0
Experimental work on effect of magnetized water on concrete by partial replacement of cement with dolomite powder	<b>International Journal of Advanced Science and Technology</b>	2019	1
Seismic Analysis of RC Elevated Water Tank in Different Seismic Zones	International Journal of Civil Engineering and Technology (IJCIET)	2019	0
Permeability Studies on E-Waste Cement Concrete with Metakaolin Admixture	Journal of Advanced Research in Dynamical and Control Systems	2019	0
Experimental work on effect of magnetized water on concrete by partial replacement of cement with dolomite powder	<b>International Journal of Advanced Science and Technology</b>	2019	1
Seismic Analysis of RC Elevated Water Tank in Different Seismic Zones	International Journal of Civil Engineering and Technology (IJCIET)	2019	0
Permeability Studies on E-Waste Cement Concrete with Metakaolin Admixture	Journal of Advanced Research in Dynamical and Control Systems	2019	0
Experimental work on effect of magnetized water on concrete by partial replacement of cement with dolomite powder	<b>International Journal of Advanced Science and Technology</b>	2019	1
Strength performance studies on E-waste cement concrete with metakaolin	<b>International Journal of Advanced Science and Technology</b>	2019	0
Experimental investigation for workability and compressive properties of high strength concrete with Al <sub>2</sub> O <sub>3</sub>	<b>International Journal of Advanced Science and Technology</b>	2019	0
Effect of Hydrochloric acid on Split Tensile Strength of Fly Ash based Geopolymer Concrete with Recycled Aggregates	Journal of Advanced Research in Dynamical	2019	0
Compressive and Tensile Strength studies on E-Waste Cement Concrete with Silica Fume	Journal of Advanced Research in Dynamical	2019	0
Wind and Seismic Analysis of High Rise Building with and without Steel Jacks using SAP2000	Journal of Advanced Research in Dynamical	2019	0
Effect of Hydrochloric Acid on Compressive Strength of Flyash based Geopolymer based Recycled Aggregate Concrete	Journal of Advanced Research in Dynamical	2019	0
Strength and workability studies of Geopolymer Concrete with Recycled Coarse Aggregate and Quarry Stone Dust	International Journal of Advanced Science and Technology	2019	0
Pushover Analysis of a Reinforced Concrete High Rise Building with Aerated Autoclave Concrete Brick Infill and its Behaviour with and without a Shear wall	International Journal of Advanced Science and Technology	2019	0



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Analysis of Perforated Steel Unequal Angle Members by using Abacus	International Journal of Advanced Science and Technology	2019	0
Comparative study of Recycled Building Material Waste, Copper Slag Waste and Egg Shell Waste as a Partial Replacement for Sand in Cement Blocks	Journal Of Advanced Research in Dynamical and Control Systems	2019	0
Effect of sulphuric acid on compressive strength of fly ash based geopolymer concrete	Journal of Advanced Research in Dynamical and Control Systems	2019	0
Vibration Machinery and Seismic Resistance Behaviour Analysis of Steel structures in Different Zones	International Journal of Advanced Science and Technology	2020	0
Rapid chloride permeability studies on high strength concrete with nano al <sub>2</sub> o <sub>3</sub> and silica fume	International Journal of Advanced Science and Technology	2020	0
Experimental study on durability characteristics of composite fiber reinforced high-performance concrete incorporating nanosilica and ultra fine fly ash	Construction and Building Materials	2020	16
Feasibility study on production of Geopolymer Masonry bricks with Phosphogypsum and flyash (Oven dried)	International Journal of Engineering Research and Technology	2020	1
Geopolymer Masonry bricks production using Phosphogypsum and flyash (Airdried Samples)	International Journal of Engineering Research and Technology	2020	1
Comparision of Seismic Analysis of Buildings resting on Sloping/Unevenground using STAAD Pro and E-TABS	International Journal of Advanced Science and Technology	2020	0
Carbonation Induced Corrosion of RC Structures-A Review	International Journal of Advanced Science and Technology	2020	0
Development of Geopolymer Foam mixes towards building sustainable infrastructure	International Journal of Advanced Science and Technology	2020	0
Effect of FlyAsh, Silica Fume, Glass Fiber and Polypropylene Fiber on Strength Properties of Composite Fiber Reinforced High Performance Concrete	International Journal of Engineering Trends and Technology	2021	8
Behaviour of Fly ash and Metakaolin based Composite Fiber (Glass and Polypropylene) Reinforced High Performance Concrete under Acid Attack	Civil Engineering and Architecture	2021	4
Chloride Penetration Resistance and Behaviour under acid attack of Metakaolin and Silica Fume based composite fibre (glass and polypropylene) reinforced high performance concrete	International Journal of Engineering Trends and Technology	2021	5
Evaluation of strength properties of Flyash and Metakaolin based composite fibre (glass and polypropylene) reinforced high performance concrete	International Journal of Engineering Trends and Technology	2021	8
Durability and micro-structure studies on fly ash and silica fume based composite fiber reinforced high-performance concrete	Materials Today: Proceedings,	2021	7
Evaluation of strength parameters of ultra-fine flyash and nanosilica incorporated High-Performance Concrete	Materials Today: Proceedings	2021	2
XRD & SEM studies of fly-ash and phosphogypsum based geopolymer bricks	International Journal of Engineering Trends and Technology	2021	3
Behaviour of Fly Ash and Silica Fume based Composite Fiber (Glass and Polypropylene) reinforced High-Performance Concrete under Acid Attack	IOP Conference Series: Earth and Environmental Science,	2021	4
Evaluation of Strength Parameters of Metakaolin and Nanosilica Incorporated High-Performance Concrete	IOP Conference Series: Earth and Environmental Scienc	2021	2
Seismic analysis of coupled shear wall in Multi-storey buildings with different rebars using SAP2000	Design Engineering	2021	0
Analysis and design of steam turbo generator foundation using STAAD-PRO	Design Engineering	2021	0
Performance of multi storied building with curved shear walls	Design Engineering	2021	0
Impact on strength properties of concrete using marble waste aggregate and slag sand incorporating silica fume	Design Engineering	2021	0
Comparative Analysis of the Strength Properties of Concrete with Slag Sand and Bethamcherla Stones with Silicafume as partial Cement Replacement	Design Engineering	2022	1
Blast Resistant Analysis and Its Impact on Buildings using ETABS	Design Engineering	2022	0
Replacement Effect of Fine Aggregate with Copper Slag on Permeability and Strength of Recycled Aggregate Concrete	Design Engineering	2022	0

**JNTUACEA CIVIL ENGINEERING DEPARTMENT FACULTY PUBLICATIONS,PATENT'S AND AWARDS :-**

Comparative Assessment of Concrete filled steel tube (CFST) Columns using ABAQUS	Design Engineering	2022	1
Strength Characteristics of Fly Sah Blended Concrete with Slag Sand and Marble Waste Aggregate	Design Engineering	2022	0
Studies on low calcium flyas-GGBS based Geopolymer concrete with slag Sand	Design Engineering	2022	0
An Experimental Study on Strength Properties of Tabby Concrete with Sea Shell Coarse Aggeragte	Journal of Northeastern University	2022	1
Comparative Analysis of a Reinforced Concrete framed structure under performance based analysis considering post tensioned members at the edges using Etabs as a tool	Journal of Northeastern University	2022	2
Utilization of used engine oil in Concrete as an Admixture	Journal of Northeastern University	2022	0
Strength Characteristics of Comparative Ananlysis of Behaviour of Horizontal and Vertical Irregular Buildings with and without using Shear Walls by ETSBS	Multidisciplinary Journal of Educational Research	2022	0
Comparative Analysis of Earthquake Resistant Building Design by Considering Bracing and Shearwall System using ETABS Software	Multidisciplinary Journal of Educational Resear	2022	0
Analysis of Fragility Curves of RC Flat Slab Buildings with and without infill Effect using Pushover Method	Multidisciplinary Journal of Educational Resear	2022	1
<b>Books/chapters</b>			
Finite Element Analysis of Slurry Infiltrated Fibrous Concrete Slabs	Lambert Publishers,	2019	
Studies on wood waste ash structural grade concrete for sustainability	Lambert Publishers	2021	
<b>Prof. E. Arunakanthi</b>			
Durability Studies on Lightweight Fiber Reinforced Concrete by Incorporating Palm Oil Shells	Journal of Mechanics of Continua and Mathematical Sciences	2020	0
An experimental study on mechanical and durable properties of self-curing concrete by using Ferro silica slag aggregate	IOP Publishing Ltd	2022	0
Behaviour of sustainable high strength self-compacting concrete with electrically precipitated fly Ash (EPFA) - A thermal waste	MATERIALS TODAY- PROCEEDINGS	2022	0
Role of Copper Slag on improvement of Strength, Quality and Durability of High strength Self Compacting Concrete- An Industrial Waste	Source	2022	0
Effect of chloride ion penetration and corrosion resistance in predicting service life of high volume GGBS self compacted concretes	Source	2022	0
effect of sulphuric acid on geopolymer concrete made with bethamcherla stone powder waste	Journal of Xidian University	2020	0
A brief over view of strength and durability studies of Geopolymer concrete	International Journal of advance research in science and engineering Volume	2020	0
Structural Behaviour of Palm Oil Shell Reinforced Concrete Beams	Solid State Technology	2020	0
Temperature Resistance of Bethamcherla Stone Powder Waste Geopolymer Concrete	International Journal of advanced science and technology	2020	0

**JNTUACEA CIVIL ENGINEERING DEPARTMENT FACULTY PUBLICATIONS,PATENT'S AND AWARDS :-**

Evaluating the Effect of Elevated Temperature on Ternary Blended Self Compacting Concrete using Response Surface Methodology	International Research Journal of Engineering and Technology (IRJET)	2020	0
Sustainable use of Industrial Wastes as Replacement for Fine and Coarse Aggregate in Production of Self Compacting Concrete	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2020	0
Different mineral admixtures in concrete: a review	S N Applied Science	2020	0
Comparative Analysis of Irregular G+11 Storied RC Building With & Without Shear Walls at Different Locations using STAAD.Pro	International Research Journal of Engineering and Technology (IRJET)	2020	0
Analysis of Trapezoidal Corrugated Steel Web Beams with Different Angle of Inclination By ANSYS	International Journal of advanced science and technology	2020	0
Fresh and mechanical properties of SCC with fly ash and copper slag as mineral admixtures	<i>Materials Today: Proceedings</i>	2020	8
Usage of Mineral Admixtures in Self Compacting Concrete	International Journal of Innovative Technology and Exploring Engineering,	2019	3
Service Life Prediction of Self Compacted Concretes with Respect to Chloride Ion Penetration	International Journal of Management, Technology and Engineering,	2020	2
Effect of Sea Water on Bethamcherla Stone Powder Waste Geopolymer Concrete	Journal of Gujarat Research Society	2019	0
An experimental study on Strength and durability characteristics of high strength concrete made with partial replacement of cast-off aggregate	International Journal of Technical Innovation In Modern Engineering	2019	0
Micro Structure Analysis Of Geopolymer Concrete Cured Under Ambient Conditions	International Journal of Technical Innovation In Modern Engineering	2018	0
Experimental Analysis of Light Weight Concrete and Fiber Reinforced Concrete	International Journal of Civil Engineering and Technology (IJCIET)	2018	3
Experimental Study on fly ash and GGBS based Geopolymer concrete using M-SAND	International Journal of Technical Innovation In Modern Engineering	2018	0
A Review on strengthening of steel built- up beam with CFRP wrapping	International Journal of Technical Innovation In Modern Engineering	2018	1
Structural Analysis of Ribs In Aircraft wing Subjected to pay loads using ANSYS	International Journal of Research	2018	0
An experimental investigation high strength concrete	international journal of technical innovation in modern engineering & science (ijtimes)	2018	0
An experimental investigation high strength concrete using admixtures	journal of emerging technologies and innovative research	2018	0
Study and performance of high strength concrete by adding admixtures	Journal of emerging technologies and innovative research	2018	0
A Study on Workability and High Strength Concrete with Admixtures, Silica Fume and Micro Alumina Oxide	International Journal for Research in Applied Science & Engineering Technology (IJASET)	2018	0
Rapid chloride permeability test for durability studies on high strength using micro Al <sub>2</sub> O <sub>3</sub>	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES)	2018	0
Experimental Investigation for Workability and Compressive Properties of High Strength Concrete with Al <sub>2</sub> O <sub>3</sub>	International Journal of Advanced Science and Technology	2019	0

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An Investigation on High Strength Concrete using Fibers with Al <sub>2</sub> O <sub>3</sub>	International Journal of Advanced Science and Technology	2019	0
Size effect studies on geopolymer concrete, global environmental changes and sustainable development	Icgecsd	2019	0
Mechanical Properties of Geopolymer Concrete	International Journal of Recent Technology and Engineering	2019	0
Study and analysis of concrete strength parameters using red mud as partial replacement of cement with and without hydrated lime	The International journal of analytical and experimental modal	2019	0
Strength and durability of concrete by using silica fume and GGBS	The International journal of analytical and experimental modal analysis	2019	0
Experimental investigation on strength and durability properties of M30 grade concrete by partial replacement of cement by marble powder and addition of steel fibers	The International journal of analytical and experimental modal analysis	2019	0
Static & response spectrum analysis of high rise multi planned residential building using etabs	The International journal of analytical and experimental modal analysis	2019	0
Strength and durability of concrete by using silica fume and ggbs	the international journal of analytical and experimental modal analysis	2019	0
Study and analysis of concrete strength parameters using red mud as partial replacement of cement with and without hydrated lime	The International journal of analytical and experimental modal analysis	2019	0
Experimental investigation on strength and durability properties of m30 grade concrete by partial replacement of cement by marble powder and addition of steel fibers	The international journal of analytical and experimental modal analysis	2019	0
Static & response spectrum analysis of high rise multi planned residential building using etabs	The international journal of analytical and experimental modal analysis	2019	0
Implementation of Artificial Neural Networks to Predict Void Content	International Journal of Advanced Science and Technology	2019	0
Enhancement of Compressive Strength of Concrete With different Proportions of Micro Al <sub>2</sub> O <sub>3</sub> blended with concrete by Using ANN Method	International conference on System Automation	2019	0
Experimental study on the Durability of High strength concrete	International conference on System Automation	2019	0
Implementation of Artificial Neural Networks to Predict Void Content	International Journal of Advanced Science and Technology	2019	0
Rapid Chloride Permeability Studies on High Strength Concrete with Nano Al <sub>2</sub> O <sub>3</sub> and Silica Fume	International Journal of Advanced Science and Technology	2020	0
Analysis and Design of Marine Structures in LTTD Plant at ANDROTH Island of UT Lakshadweep	International Journal of Future Generation Communication and Networking	2020	0
Effect on High Strength Concrete by Partial Replacement of Cement with nano Alumina Micro Alumina and Fly Ash	International Journal of Future Generation Communication and Networking	2020	0
Rapid Chloride Permeability Studies on High Strength Concrete with Nano Al <sub>2</sub> O <sub>3</sub> and Silica Fume	International Journal of Advanced Science and Technology	2020	0
Comparative Assessment of domes, 2nd International Conference on Future Communication & Computing Technology	ICFCCT	2021	0
A Study on the High Strength Concrete Properties using Nano Silica and Micro Silica	International Research Journal of Engineering and Technology(IRJET)	2021	0
Study on the Properties of Concrete by Incorporating Metakaolin and Marble Dust	International Research Journal of Engineering and Technology(IRJET)	2021	0
Influence of Recycled Aggregates and Fly Ash on the Properties of Concrete	International Journal of Analytical and Experimental Mode Analysis	2021	0
A Research Paper on Seismic retrofitting of Pure Masonry Structure	International Journal of Analytical and Experimental Mode Analysis	2021	0
Investigation of concrete by partial replacement of cement with nano alumina and micro alumina	The international journal of analytical and experimental modal analysis	2022	0
Investigation of Concrete by Partial Replacement of Cement with Nano Alumina and Micro Alumina	International Journal of Analytical and Experimental Mode Analysis	2022	0
Linear Static Analysis of G+16 Floated Column Building	International Journal of Analytical and Experimental Mode Analysis	2022	0
Earthquake Resistant Thin High Rise Building Design with SAP 2000	International Journal for Research in Engineering Application & Management	2022	0
Durability properties of concrete containing metakaolin, marble dust and slag sand for high strength concrete	International journal for research in engineering application & management	2022	0

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Durability properties of concrete containing nano silica and slag sand for high strength concrete	International journal for research in engineering application & management	2022	0
<b><u>G.Mahaboob Basha</u></b>			
parametric studies on compressive strength of geopolymer concrete	IJRAR(International Journal of Research and Analytical Reviews	2022	0
microstructural analysis of self-compacting concrete modified with the addition of nanoparticles	IJRAR(International Journal of Research and Analytical Reviews	2022	0
<b><u>B.Revathi</u></b>			
parametric studies on compressive strength of geopolymer concrete	IJRAR(International Journal of Research and Analytical Reviews	2022	0
microstructural analysis of self-compacting concrete modified with the addition of nanoparticles	IJRAR(International Journal of Research and Analytical Reviews	2022	0
<b><u>S.Chandrusa</u></b>			
parametric studies on compressive strength of geopolymer concrete	IJRAR(International Journal of Research and Analytical Reviews	2022	0
microstructural analysis of self-compacting concrete modified with the addition of nanoparticles	IJRAR(International Journal of Research and Analytical Reviews	2022	0
<b><u>S.Saraswathi</u></b>			
parametric studies on compressive strength of geopolymer concrete	IJRAR(International Journal of Research and Analytical Reviews	2022	0
microstructural analysis of self-compacting concrete modified with the addition of nanoparticles	IJRAR(International Journal of Research and Analytical Reviews	2022	0
<b><u>P.Srinivas Kumar</u></b>			
Development of semantic enabled load sensor	Sambhodhi Journal	2020	0
Google map usage in transportation system	International journal of future generation communication and networking	2020	0
Geotechnical Engineering And Management For Experience Economy	International Journal of Multidisciplinary Research Academy(IJMRA)	2019	0
Development of Semantic Enabled Engineering Soil Classification Along With Visualisation of Particle Size Distribution Curve Application	Blue Eyes Intelligence Engineering	2019	0

**JNTUACEA CIVIL ENGINEERING DEPARTMENT FACULTY PUBLICATIONS,PATENT'S AND AWARDS :-**

S.no	Name of the faculty	Patent title	Application no	Date	Status
1	Sri P.Srinivas Kumar	A Frmework for achieving autonomous function using semantic web Technologies and IOT for Machines and Equipment.	202141042621	21-09-2021	Application Referred u/s 12For examination
2	Prof. C. Sashidhar	DDLS-High Tech Buildings Design and Develop Low Cast School, Office, Hospital, High Tech Buildings	202041040400	25/09/2020	Published
3	Prof. C. Sashidhar	Self Healing Composite	202141008336	05/03/2021	Published
4	Prof. C. Sashidhar	An Artificial Intelligence and Block Chain System for Farmers Empowerment	2021104274		Published
5	S. Krishnaiah	Measurement of viscosity of Bituminous Binders in Roatational Mode through indirect measurement of Torque	4414/CHE/2015	21-09-2022	Granted
6	Prof.H Sudarsana Rao	A Process of producing bricks/building blocks from phosphogypsum and the bricks/blocks made there of	202341006000	01/07/2022	Published
7	Prof Vaishali G Ghorpade	A Process of producing bricks/building blocks from phosphogypsum and the bricks/blocks made there of	202141030545 A	01/07/2022	Published
8	Prof.H Sudarsana Rao	Innovative approaches to high performance concrete: The synergy of binary mineral admixture and composite fibre reinforcement in enhancing strength, endurance and development of unified mix design methodology	202341006000	24/02/2023	Published
9	Prof Vaishali G Ghorpade	Innovative approaches to high performance concrete: The synergy of binary mineral admixture and composite fibre reinforcement in enhancing strength, endurance and development of unified mix design methodology	202341006000	24/02/2023	Published
10	Prof Vaishali G Ghorpade	Methods for Preparation of bacterial concrete with self healing abilities and products there of	201641010384	06/01/2023	Granted
11	Prof.H Sudarsana Rao	Methods for Preparation of bacterial concrete with self healing abilities and products there of	201641010384	06/01/2023	Granted