



Sri Sai Vidya Vikas Shikshana Samithi ®

# SAI VIDYA INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka)

## DEPARTMENT OF CIVIL ENGINEERING

RAJANUKUNTE, BENGALURU- 560 064, KARNATAKA

Phone: 080-28468191/96/97/98 \* E-mail: info@saividya.ac.in \* URL www.saividya.ac.in

### Research Publications by Faculty – CAY (2019-20)

Sl. No.	Name of the faculty	Title of paper published	Publication WITH ISSN/ISSB/DOI NUMBER			Year of publication	Citation
			National	International	Journal with volume No		
1.	Dr. M.B Ananthayya	An Experimental investigation on inhibiting chloride induced reinforcement corrosion using encapsulednicotianaTabacum Extract <b>DOI:</b> Yet to receive		TEST Engineering & Management	ISSN:0193-4120 Pg.no.126-131 Volume83	May-June 2020,	0
2.	Dr. MeghaKulkarni	Suitability and prominent analysis on proposal for sustainable management – A case study, Flood Area, Yadgir, Karnataka	Sponsored by KSCST under 43rd series of Student Project Program (SPP) and also selected in the State level seminar held at K.L.E. Dr. M.S. Sheshgiri College of Engineering and Technology, Belagavi		Project Reference Number 43S_BE_3690 KSCST-2020		NA
3.	Prof. NayanaManohari	Prediction of Strength characteristics of PET Strap fibre reinforced flyash concrete using ANN		ICARCE-International conference on Advance Research in Civil Engineering,10 <sup>th</sup> &11 <sup>th</sup> July 2020	(UGC journal-yet to receive)	2020	NA
4.	Prof. Gowtham B	Asphalt Energy Harvesting Through Piezoelectric Sensor Technology		International conference on Topical Transcends in Science, Technology & management	Proceedings: 9788-1946-37073	2020	NA
5.	Prof.Sunil H G	Integration of BIM in the design coordination of Residential building		ICARCE-International conference on Advance Research in Civil	(UGC journal-	2020	NA



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				Engineering,10 <sup>th</sup> &11 <sup>th</sup> July 2020	yet to receive)		
6.	Prof. Sreekumary	Application of Remote Sensing and GIS for Landslide Vulnerability assessment and rehabilitation in Kodagu District, Karnataka		ICARCE-International conference on Advance Research in Civil Engineering,10 <sup>th</sup> &11 <sup>th</sup> July 2020  & Sponsored by KSCST under 43rd series of Student Project Program (SPP) and also selected in the State level seminar held at K.L.E. Dr. M.S. Sheshgiri College of Engineering and Technology, Belagavi	Project Reference Number  43S_BE_3689  KSCST-2020  (UGC journal-yet to receive)	2020	NA
7.	Dr. M B Ananthayya	Study of strength properties of Geopolymer Composite		International conference on Topical Transcends in Science, Technology & management	Proceedings:  9788-1946-37073	2019	NA
8.	Prof. Gowtham B	Design & Fabrication of Automated signal System and parking Facilities for Smart cities	Sponsored by KSCST under 43rd series of Student Project Program (SPP) and also selected in the State level seminar held at K.L.E. Dr. M.S. Sheshgiri College of Engineering and Technology, Belagavi		Project Reference Number  43S_BE_0503  KSCST-2020	2020	NA



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### Research Publications by Faculty – CAY (2018-19)

Sl. No.	Name of the faculty	Title of paper published	Publication WITH ISSN/ISSB / DOI NUMBER			Year of publication	Citation
			National	International	Journal with volume number		
1.	Dr. M.B Ananthayya	Experimental investigation on steel fiber reinforced concrete with the partial replacement of cement by copper slag and fine aggregate by iron ore tailings DOI: <a href="https://doi.org/10.1166/jctn.2018.7617">https://doi.org/10.1166/jctn.2018.7617</a>		<u>Journal of Computational and Theoretical Nanoscience</u>	ISSN:1546-1963 Volume-15, Issue 07 pp. 3317-3323(7)	December 2018	0
2.	Dr. M.B Ananthayya	A review on application of carbon nanotubes in cement concrete. DOI: <a href="https://doi.org/10.1166/jctn.2018.7622">https://doi.org/10.1166/jctn.2018.7622</a>		<u>Journal of Computational and Theoretical Nanoscience</u>	ISSN:1546-1955 Volume 15, pp. 3210-3213(4)	November 2018	0
3.	Dr. M.B Ananthayya	Influence of copper slag in early age properties of cement DOI: <a href="https://doi.org/10.14419/ijet.v7i4.39.25584">10.14419/ijet.v7i4.39.25584</a> .		International Journal of Engineering & Technology (UAE)	ISSN: 2227-524X Volume 7	October 2018	0



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4.	Dr.MeghaKulkarni	Retention Behaviour of Soil Bentonite and Fly Ash Liner To Control Migration of Heavy Metals of Land Fill Leachate Solid Waste Disposal Site- Mavallipuram, Bengaluru		International Conference on Science and Technology Research held at The national University of Singapore Society (NUSS), 2nd ICTSTR Singapore – Sun tec City Guild House, Singapore.	ISBN-2454-5880	March 2019	NA
5.	Dr. M.B Ananthayya	Influence of copper slag on early age properties of cement		International Conference on Topical Transcends In Science, Technology and Management ICTTSTM-2018, 17th and 18th August 2018 at SaiVidya Institute Of Technology ,Bengaluru Karnataka	ISBN:978-84698-24-9 Volume 1,pg-271	August 2018	NA
6.	Dr.MeghaKulkarni	Green Campus - A case Study SVIT Campus		International Conference on Latest advancement and future trends in Engineering, Science and Management held at Sambhram Institute of Technology.	ISBN: 978-93-87793-86-6	May 2019	NA
7.	Prof. Gowtham B	A study of land use prediction and the requirements of road networks in selected rural and semi urban cities		International Conference on Latest advancement and future trends in Engineering, Science	ISBN: 978-93-87793-86-6	May 2019	NA



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				and Management held at Sambhram Institute of Technology.			
8.	Prof. Pallavi P	Enhancing Shear parameters of cohesive soil using soil nailing Technique.		International Conference on Latest advancement and future trends in Engineering, Science and Management held at Sambhram Institute of Technology	ISBN: 978-93-87793-86-6	May 2019	NA
9.	Prof. Pallavi P	Evaluating strength parameters of triple blended concrete using composite cement		International Conference on Topical Transcends In Science, Technology and Management ICTTSTM-2018, 17th and 18th August 2018 at SaiVidya Institute Of Technology ,Bengaluru Karnataka	ISBN:978-84698-24-9 Volume 1,pg-280	August 2018	NA
10.	Prof.Sumam S B	Flood frequency Analysis of Bangalore Urban region using L Moments		International Conference on Latest advancement and future trends in Engineering, Science and Management held at Sambhram Institute of Technology	ISBN: 978-93-87793-86-6	May 2019	NA
11.	Prof.Sreekumary G	“Application of GIS and RS for aquifer mapping and site suitability for ground water recharging in Bangarpet Taluk of Kolar District Karnataka”	National Conference on Recent research trends in			March 2019.	NA



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			<p>geological studies- GEOGRI-2019 at Gandhiram Rural Institute,Dindugal</p> <p>&amp;</p> <p>Sponsored by KSCST under 42nd series of Student Project Program (SPP) and also selected in the State level seminar held at K.L.E. Dr. M.S. Sheshgiri College of Engineering and Technology, Belagavi.</p>		<p>Project Reference Number 42S_BE_1582</p>	<p>July 2019</p>	
12.	Prof.Sreekumary G	<p>Ground water quality Assessment using GIS and Remote sensing: A Case study in KolarHobli, Karnataka.</p>	<p>National Conference on “ Advancement and Innovations in Civil Engineering ” held at</p>		<p>Project Reference Number 42S_BE_3335</p>	<p>May 2019</p>	<p>NA</p>



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			<p>PES Institute of Technology and Management, Shivomogga ISTE Faculty Chapter</p> <p>&amp;</p> <p>Sponsored by KSCST under 42nd series of Student Project Program (SPP)</p>			July 2019	
13.	Prof. Gowtham B	Design and calibration of permeable pavement model to analyze its applicability for Rural roads and Urban Parking lots.	<p>Sponsored by KSCST under 42nd series of Student Project Program (SPP) and also Selected in the State level exhibition held at K.L.E. Dr. M.S. Sheshgiri College of Engineering and Technology, Belagavi.</p>		Project Reference Number 42S_BE_1586	July 2019	NA
14.	Prof. Gowtham B	Signal optimization and its effect on fuel consumption	<p>Sponsored by KSCST under 42nd series of Student Project Program (SPP)</p>		Project Reference Number 42S_BE_1585	July 2019	NA



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15.	Prof. Gowtham B	A case study to locate and analyze conflict points and deficiencies in KR PURAM junctions and streets (Bangalore Urban Area )involving in traffic congestion and accidents, audit on remedial measures to increase level of service		International Conference on Topical Transcends In Science, Technology and Management ICTTSTM-2018, 17th and 18th August 2018 at SaiVidya Institute Of Technology ,Bengaluru Karnataka	ISBN:978-84698-24-9 Volume 1,pg-311	August 2018	NA
16.	Prof. R Leeladharesha	Design of Multipurpose Green Auditorium with the aid of Architecture and Engineering Softwares	National Conference on Convergence of Science, Technology and Management (NCCSSTM -2019) ORGANISED BY DayanandaSagar Academy of Technology and Management		ISBN:978-93-81195-97-0	May 2019	NA
17.	Prof. R Leeladharesha	Study on aspect ratio and strength characteristics of pet strap fibre reinforced concrete		International Conference on Topical Transcends In Science, Technology and Management ICTTSTM-2018, 17th and 18th August 2018 at SaiVidya Institute Of Technology ,Bengaluru Karnataka	ISBN:978-84698-24-9 Volume 1,pg-363	August 2018	NA
18.	Dr.M.BAnanthayya	The Study on the Strength Properties of Carbon Nanotube Reinforced Concrete	National Conference on “ Advancement and			May 2019	NA





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			Innovations in Civil Engineering ” held at PES Institute of Technology and Management, Shivomogga  ISTE Faculty Chapter				
19.	Dr.M.BAnanthayya	Strength Properties of Basalt Fiber Reinforced through Cement Concrete	National Conference on  “ Advancement and Innovations in Civil Engineering ” held at PES Institute of Technology and Management, Shivomogga  ISTE Faculty Chapter			May 2019	NA
20.	Dr.M.BAnanthayya	Strengthening Slopes Of BC and Red soil using Glass Fiber	National Conference on  “ Advancement and Innovations in Civil Engineering ” held at PES Institute of Technology and Management, Shivomogga  ISTE Faculty Chapter			May 2019	NA



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21.	Prof. Sunil H G	Planning and Scheduling of High rise building using Primavera		International Journal of Engineering Science and computing.	Volume 9, Issue No 6, ISSN 2250-1371	June 2019	NA
22.	Prof. Sunil H G	Planning scheduling and tracking of residential building using project management tools		International Journal of Engineering Science and computing	Volume 9, Issue No 6, ISSN 2250-1371	June 2019	NA
23.	Prof. Sunil H G	Study on aspect ratio and strength characteristics of pet strap fibre reinforced concrete		International Conference on Topical Transcends In Science, Technology and Management ICTTSTM-2018, 17th and 18th August 2018 at SaiVidya Institute Of Technology ,Bengaluru Karnataka	ISBN:978-84698-24-9 Volume 1,pg-363	August 2018	NA
24.	Prof. Akshay Kumar	Production of Bricks, Concrete, Marbles in a sustainable manner using waste plastic.	National Conference on "RECENT ADVANCES IN CIVIL ENGINEERING – RACE" held at S J C Institute of Technology, Chickballapura-562101, In association with ICI-KBC & ACCE(I)			May 2018	NA
25.	Prof. Akshay Kumar	Production of concrete in a sustainable manner using waste plastic and glass		International journal of engineering science and	ISSN: 2250-1371, Volume	June 2019	NA



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				computing	9, Issue No 6		
26.	Prof. Akshay Kumar	Study on aspect ratio and strength characteristics of pet strap fibre reinforced concrete		International Conference on Topical Transcends In Science, Technology and Management ICTTSTM-2018, 17th and 18th August 2018 at SaiVidya Institute Of Technology ,Bengaluru Karnataka	ISBN:978-84698-24-9 Volume 1,pg-363	August 2018	NA
27.	Prof. Nayana Manohari T K	Design of Multipurpose Green Auditorium with the aid of Architecture and Engineering Softwares	National Conference on Convergence of Science, Technology and Management (NCCSSTM -2019) ORGANISED BY DayanandaSagar Academy of Technology and Management		ISBN:978-93-81195-97-0	May 2019	NA
28.	Prof. Nayana Manohari T K	Partial replacement of metal steel slag & waster glass with coarse aggregate & fine aggregate		International Journal of emerging technologies and innovative research (JETIR)	ISSN-2349-5162		NA
29.	Prof. Nayana Manohari T K	Study on aspect ratio and strength characteristics of pet strap fibre reinforced concrete		International Conference on Topical Transcends In Science, Technology and Management ICTTSTM-2018, 17th and 18th August 2018 at	ISBN:978-84698-24-9 Volume 1,pg-363	August 2018	NA



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				SaiVidyaInstitute Of Technology ,Bengaluru Karnataka			
30.	Prof. Sumam S B	Studies of Water quality assessment of Hebbal Lake		International Journal of Engineering Science and computing.	Volume 9, Issue No 6, ISSN 2250- 1371 June 2019	June 2019	NA
31.	Prof. Sumam S B	A case study to locate and analyze conflict points and deficiencies in KR PURAM junctions and streets (Bangalore Urban Area )involving in traffic congestion and accidents, audit on remedial measures to increase level of service		International Conference on Topical Transcends In Science, Technology and Management ICTTSTM-2018, 17th and 18th August 2018 at SaiVidya Institute Of Technology ,Bengaluru Karnataka	ISBN:978- 84698-24-9  Volume 1,pg- 311	August 2018	NA



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**Research Publications by Faculty – CAY (2017-18)**

Sl. No.	Name of the faculty	Title of paper published	Publication WITH ISSN/ISSB / DOI NUMBER		Year of publication
			National	International	
1.	Prof. R Leeladharesha	Artificial Ground Water Recharge	<p>National Conference on “RECENT ADVANCES IN CIVIL ENGINEERING – RACE” held at S J C Institute of Technology, Chickballapura-562101, in association with ICI-KBC &amp; ACCE(I)</p> <p>&amp;</p> <p>Sponsored by KSCST under 41st series of Student Project Programme and also got selected at state level annual Seminar at Bapuji Institute of Engineering and Technology, Davanagere.</p>		<p>10th May 2018</p> <p>10th and 11th August 2018</p>
2.	Prof.Sreekumary G	Drought risk assessment and mapping in ramanagara district using GIS and RS.	National Conference in Advances in Civil Engineering held at East West Institute of Technology.		28 <sup>th</sup> and 29 <sup>th</sup> September 2018



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			& Sponsored by KSCST under 41st series of Student Project Programme at state level annual Seminar at Bapuji Institute of Engineering and Technology, Davanagere		10th and 11th August 2018
3.	Prof. Sunil H G	Experimental investigation on strength parameters of control low strength materials	National Conference on “RECENT ADVANCES IN CIVIL ENGINEERING – RACE” held at S J C Institute of Technology, Chickballapura-562101 in association with ICI-KBC & ACCE(I)		10th May 2018
4.	Prof. Sunil H G	Analytical investigation of rc structures incorporated outrigger system for different seismic zones	National Conference on “RECENT ADVANCES IN CIVIL ENGINEERING – RACE” held at S J C Institute of Technology, Chickballapura-562101, in association with ICI-KBC & ACCE(I)		10th May 2018
5.	Prof. Sunil H G	Investigation on the influence of effective bracing system in multi-storied structure using cype	National Conference on “RECENT ADVANCES IN CIVIL ENGINEERING – RACE” held at S J C Institute of Technology, Chickballapura-562101, during 10th May 2018 in association with ICI-KBC & ACCE(I)		10th May 2018
6.	Prof. Pallavi P	Experimental review on utilization of waste plastic bottle as geocell in flexible pavement	National Conference on “RECENT ADVANCES IN CIVIL ENGINEERING – RACE” held at S J C Institute of Technology, Chickballapura-562101 in association with ICI-KBC & ACCE(I)		10th May 2018



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7.	Prof. Nayana Manohari T K	Comparison of strength properties of conventional and self curing concrete	National Conference on “RECENT ADVANCES IN CIVIL ENGINEERING – RACE” held at S J C Institute of Technology, Chickballapura-562101,in association with ICI-KBC & ACCE(I)	10th May 2018
8.	Prof. Akshay Kumar	Investigation on the influence of effective bracing system in multi-storied structure using cype	National Conference on “RECENT ADVANCES IN CIVIL ENGINEERING – RACE” held at S J C Institute of Technology, Chickballapura-562101, during 10th May 2018 in association with ICI-KBC & ACCE(I)	10th May 2018
9.	Prof. Akshay Kumar	Analytical investigation of semi rigid connection in framed structure using cype	National Conference on “RECENT ADVANCES IN CIVIL ENGINEERING – RACE” held at S J C Institute of Technology, Chickballapura-562101,in association with ICI-KBC & ACCE(I)	10th May 2018
10.	Prof.Sumam S B	Runoff estimation of somavarpet using scs-cn model and gis1	National Conference on “RECENT ADVANCES IN CIVIL ENGINEERING – RACE” held at S J C Institute of Technology, Chickballapura-562101, in association with ICI-KBC & ACCE(I)	10th May 2018
11.	Prof.Sumam S B	Analyse and re-design of drainage system in storm struck areas - hsrlyout,bengaluru, considering the road geometrics	National Conference on “RECENT ADVANCES IN CIVIL ENGINEERING – RACE” held at S J C Institute of Technology, Chickballapura-562101,in association with ICI-KBC & ACCE(I)	10th May 2018
12.	Prof. Gowtham B	Analyse and re-design of drainage system in storm struck areas - hsrlyout,bengaluru, considering the road geometrics	National Conference on “RECENT ADVANCES IN CIVIL ENGINEERING – RACE” held at S J C Institute of Technology, Chickballapura-562101, in association with ICI-KBC & ACCE(I)	10th May 2018
13.	Prof. Gowtham B	A study to analyse conflicts in traffic congestion at surroundings of electronic city, bangalore and audit on remedial measures to enhance level of surface	National Conference on “RECENT ADVANCES IN CIVIL ENGINEERING – RACE” held at S J C Institute of Technology, Chickballapura-562101,in association with ICI-KBC & ACCE(I)	10th May 2018



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14.	Prof. Gowtham B	A case study of intellegent parking to assist and design of parking area at avenue road	National Conference on “RECENT ADVANCES IN CIVIL ENGINEERING – RACE” held at S J C Institute of Technology, Chickballapura-562101 in association with ICI-KBC & ACCE(I)		10th May 2018
15.	Prof. Gowtham B	An audit on traffic choke of road network connecting to hebbal junction (bangalore) and finding solutions to overcome traffic choke	National Conference on “RECENT ADVANCES IN CIVIL ENGINEERING – RACE” held at S J C Institute of Technology, Chickballapura-562101 in association with ICI-KBC & ACCE(I)		10th May 2018
16.	Prof. Gowtham B	Asphalt Energy Harvesting Through Piezo Electric sensor Technology		“International Conference in Smart City in India: Issue and Challenges” Held at SVCE, Bengaluru	22 <sup>nd</sup> and 23 <sup>rd</sup> May 2018





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**Research Publications by Faculty – CAY (2016-17)**

Sl. No.	Name of the faculty	Title of paper published	Publication WITH ISSN/ISSB / DOI NUMBER			Year of publication	Citation
			National	International	Journal with volume number		
1.	Prof. Sreekumary G	GIS application in traffic congestion management & accidents:  A study from Yelahanka to Rajanukunte, Bangalore, Karnataka.	National Conference on on “ shaping the future : digital India ,start up India,		ISBN : 978-96-80506-20-3	20 <sup>th</sup> & 21 <sup>st</sup> April ,2017	0
2.	Prof. Sunil H G	“Prognosis of vitality essence of flyash concrete using ann-a computational approach towards digital india”	National Conference on on “ shaping the future : digital India ,start up India		ISBN : 978-93-80506-20-3	,20 <sup>th</sup> & 21 <sup>st</sup> April ,2017	0
3.	Prof.Sreekumary G	Smart way to manage traffic congestion & accidents using GIS digitization	National Conference on leveraging intelligent transport system for enabling smart cities- ITS- at RV college of engineering.		Published in conference proceedings PP:37  Paper ID :CB06	March 2 <sup>nd</sup> & 4 <sup>th</sup> 2017	0
4.	Prof. Gowtham B	“A case study to locate and analyze conflict points and deficiencies in k.r.puram junction and streets bangalore urban area involving in traffic congestion and accidents, audits on remedial measures to be adopted to increase level of service”	Sponsored by KSCST under 40th series of student project program		Project Reference Number 40S_BE_0661	Jan –May 2016	0



Sri Sai Vidya Vikas Shikshana Samithi ®

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## DEPARTMENT OF CIVIL ENGINEERING

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5.	Prof. Gowtham B	Performance analysis of traffic signal connecting to Jalahalli Cross, Bangalore	The International Journal of Innovative Research in Science, Engineering and Technology	(IJIRSET) ISSN:2319-8753,VOLUME 6	June 2017	0
6.	Prof. Gowtham B	Flexible Pavement Evaluation for Muttukur and Harishinakunte Road- A case study	The International Journal of Innovative Research in Science, Engineering and Technology	(IJIRSET) ISSN:2319-8753,VOLUME 6	JUNE 2017	0
7.	Prof. Gowtham B	Evaluation of Properties of Cinder as a Replacement for Aggregate in the Construction of Base and Subbase Layers of Pavement	The International Journal of Innovative Research in Science, Engineering and Technology	(IJIRSET) ISSN:2319-8753,VOLUME 6	JUNE 2017	0
8.	Prof. Nayana Manohari T K	“Photocatalyticnoxer concrete blocks”	National conference on “Recent Advances In Civil Engineering,		3 <sup>rd</sup> & 4 <sup>th</sup> May 2017	0
9.	Prof. Nayana Manohari T K	“Prognosis of vitality essence of flyash concrete using ann-a computational approach towards digital india”	National Conference on on “ shaping the future : digital India ,start up India,	ISBN : 978-93-80506-20-3	20 <sup>th</sup> & 21 <sup>st</sup> April ,2017	0
10.	Prof. Devika Rani	“Review of the brunt of clean mechanism projects on climate change- a case study at raichur solar power plant”	National Conference on on “ shaping the future : digital India ,start up India,	ISBN : 978-93-80506-20-3	120 <sup>th</sup> & 21 <sup>st</sup> April ,2017	0
11.	Prof. Akshay Kumar	“Review of the brunt of clean mechanism projects on climate change- a case study at raichur solar power plant”	National Conference on on “ shaping the future : digital India ,start up India,	ISBN : 978-93-80506-20-3	20 <sup>th</sup> & 21 <sup>st</sup> April ,2017	0
12.	Prof. Sunil H G	“Photocatalyticnoxer concrete blocks”	National conference on “Recent Advances In Civil Engineering,		3 <sup>rd</sup> & 4 <sup>th</sup> May 2017	0
13.	Prof. Devika Rani	“Design of water supply distribution network at rajanukuntevillage,bengaluru “	Sponsored by KSCST under 40th series of studentproject program	Project Reference Number 40S_BE_0657	Jan –May 2016	0