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**SVCE** BENGALURU

SRI VENKATESHWARA COLLEGE OF ENGINEERING  
— Affiliated to VTU, Approved by AICTE, Recognised by UGC u/s 2(f) & 12(B) —

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

*P.13 List of faculty publications along with DOIs  
and publication/citation details*




## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

### Ph.D Details

Sl. No	Academic Year	No. of Faculty Perusing Ph.D
1	2021-22	08
2	2020-21	07
3	2019-20	10

### Faculty Publication in Journal and Conference

SN	Year	No. of refereed /SCI Journals	No. of refereed /SCI Conference	Citations
1	2021-22 CAY	14	12	509
2	2020-21 CAYm1	10	19	875
3	2019-20 CAYm2	12	18	317
4	2018-19 CAYm3	08	44	180
<b>Total</b>		44	93	1881
		137		

  
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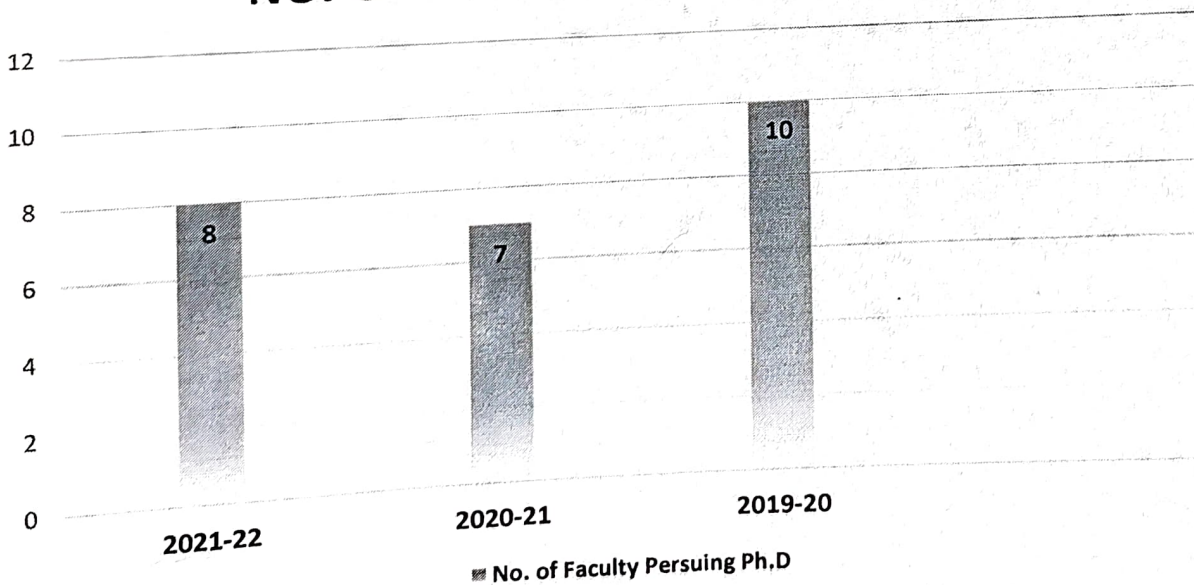
**SRI VENKATESHWARA COLLEGE OF ENGINEERING**  
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**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

## Improvement in Research Scholars

Sl. No	Academic Year	No. of Faculty persuing Ph.D
1	2021-22	08
2	2020-21	07
3	2019-20	10

### NO. OF FACULTY PERSUING PH.D



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**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

## Details of Research Supervisors

Sl. No.	Name of the Research Supervisor	Name of the University from which Ph. D is awarded	Year of Award	Specialization	Department	No. of Candidates Registered for		Status of Completion		
						Ph.D.	M.Sc. (Engg.)	No. of Candidates completed Course Work	No. of Candidates completed Comprehensive Viva-Voce	No. of Candidates completed Submitted Final Thesis
1	Dr. Shivashankar	VTU	2014	Wireless Communication	E&CE	08	-	08	06	02
2	Dr. Vijayashree R Budyai	VTU	2014	Wireless Communication	E&CE	04	-	02	00	00
3	Dr. Jijesh J J	VTU	2019	Wireless Communication	E&CE	01	-	00	00	00

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### Details of Research Scholars (SVCE Research Centre)

Sl. No.	Name of the Research Scholar	Guide	Domain	Year of Registration	Status of Completion of
1	Jijesh J J	Dr. Shivashankar	Wireless Body Area Network	2013	Awarded
2	Pramod M S	Dr. Shivashankar	Wireless Sensor Networks	2013	Awarded
3	Dileep Reddy Bolla	Dr. Shivashankar	Wireless Body Area Network	2014	Awarded
4	Satya Srikanth Palle	Dr. Shivashankar	Wireless Communication	2014	Awarded
5	Sunil Kumar K N	Dr. Shivashankar	Wireless Communication	2014	Awarded
6	Rajendra Prasad P	Dr. Shivashankar	Wireless Communication	2015	Awarded
7	Ravi Gatti	Dr. Shivashankar	Wireless Communication	2015	Awarded
8	Arjun Kumar G B	Dr. Shivashankar	Renewable Energy Resources	2016	Awarded
9	Swapna C H	Dr. Vijayashree R Budyal	Wireless Communication	2016	Completed Comprehensive Viva-Voce



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3	Dileep Reddy Bolla	Dr. Shivashankar	Wireless Body Area Network	2014	Awarded
4	Satya Srikanth Palle	Dr. Shivashankar	Wireless Communication	2014	Awarded
5	Sunil Kumar K N	Dr. Shivashankar	Wireless Communication	2014	Awarded
6	Rajendra Prasad P	Dr. Shivashankar	Wireless Communication	2015	Awarded
7	Ravi Gatti	Dr. Shivashankar	Wireless Communication	2015	Awarded
8	Arjun Kumar G B	Dr. Shivashankar	Renewable Energy Resources	2016	Awarded
9	Swapna C H	Dr. Vijayashree R Budyal	Wireless Communication	2016	Completed Comprehensive Viva-Voce




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10	Kursheed B	Dr. Vijayashree R Budyal	Wireless Communication & Networking	2018	Completed Comprehensive Viva-Voce
11	Mahaveer Penna	Dr. Shivashankar	Wireless Communication	2018	Completed Comprehensive Viva-Voce
12	Prakasha G	Dr. ASR Murthy	Wireless Sensor Networks	2014	Course work Completed
13	Sridhar N K	Dr. Mukesh Kumar Singh	Wireless Communication	2016	Registered
14	Ravindra Kumar M	Dr. Jijesh J J	Wireless Communication	2021	Registered

  
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## Details of Research Scholars (Other Research Centre)

Sl. No.	Name of the Research Scholar	Name of the Research Supervisor	Domain	Name of the University	Year of Registration	Status of completion
1	Poornima G R	Dr. S C Prasanna Kumar / Dr. Ramachandran	VLSI	VTU, RVCE	2011	Awarded
2	Lakshman Arun Kumar	Dr. Nageshwar Rao	Wireless Sensor Networks	Gitam University, Vizag	2013	Awarded
3	Santosh Kumar S	Dr. Bharathi S H	Signal Processing	Reva University	2015	Completed Comprehensive Viva-Voce

  
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## Details of Research Scholars from other College (SVCE Research Centre)

Sl. No.	Name of the Research Scholar	Name of the Research Supervisor	Domain	Year of Registration	Status of Completion of
1	Santosh Math	Dr. Vijayashree R Budyal	Wireless Communication	2014	Registered
2	Hridya	Dr. Vijayashree R Budyal	Wireless Communication	2015	Course work Completed
3	Ranjitha U N	Dr. Shilpa Mehta	Image Processing	2017	Registered

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## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

### Details of Research Scholars Academic Year 2021-22

Sl. No	Name of the Research Scholar	Guide	USN	R&D Center	Year of Registration	PhD Awarded
1	Mr. Sunil Kumar K N	Dr. Shivashankar	1VE15PEJ01	SVCE	2014	Awarded
2	Mr. Santosh Kumar S	Dr. Bharathi S H	91ECE002	REVA	2015	—
3	Mr. Ravi Gatti	Dr. Shivashankar	1VE16PEJ03	SVCE	2015	Awarded
4	Mr. Arjun Kumar G B	Dr. Shivashankar	1VE17PES02	SVCE	2016	Awarded
5	Mr. Sridhar N K	Dr. Mukesh Kumar Singh	1VE17PES03	SVCE	2016	—
6	Mrs. Swagata C H	Dr. Vijayahree R Budyal	1VE17PEA07	SVCE	2017	—
7	Ms. Kurnsheed B	Dr. Vijayahree R Budyal	1VE18PEC01	SVCE	2018	—
8	Mr. Mahaveer Penna	Dr. Shivashankar	1VE19PEC03	SVCE	2019	—
9	Mr. Ravindra Kumar M	Dr. Jijesh J J	1VE20PEC01	SVCE	2020	—
10	Vineeth Kumar P.K	Dr. Jijesh J J	1VE16PEC01	SVCE	2020	—

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

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**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

**Ph.D Details**

Sl. No	Academic Year	No. of Faculty Perusing Ph.D
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4	2018-19 CAYm3	08	44	180
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**Department of Electronics & Communication Engineering**  
**Papers Published by Faculty in Scopus Indexed IEEE International Conference in**  
**CAY 2021-22**

Sl.No.	Authors Name	Title of the Paper	Name of the Conference/ Weather Scopus Index	ISBN/DOI/SSBN
1.	Prof. Arjun Kumar G B Dr. Shivashankar Prof. Sunil Kumar K N	Optimum Power Point Tracking Technique for Standalone Solar Photovoltaic System.	6th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2021	IEEE XPLORE ISBN: 978-1-6654-3559-8 10.1109/RTEICT52294.20 21.9573905
2.	Prof. Sunil Kumar K N Prof. Arjun Kumar G B Dr. P Rajendra Prasad	IOT enabled T-shirt for long- term monitoring of sleep disordered breathing.	6th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2021	IEEE XPLORE ISBN: 978-1-6654-3559-8 10.1109/RTEICT52294.20 21.9573917
3.	Prof. Ravi Gatti Prof. S Santosh Kumar Prof. Sunil Kumar K N Prof. N Nataraja Prof. Sarala T Prof. Arjun Kumar G B	Implementation of Health Monitoring System for Patients using Li-Fi Technology.	6th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2021	IEEE XPLORE ISBN: 978-1-6654-3559-8 10.1109/RTEICT52294.20 21.9573585
4.	Prof. Ravi Gatti Prof. S Santosh Kumar Prof. Sunil Kumar K N Prof. N Nataraja Prof. Sarala T Dr. P Rajendra Prasad	Development of Automated System for Detection of Diabetic Retinopathy.	6th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2021	IEEE XPLORE ISBN: 978-1-6654-3559-8 10.1109/RTEICT52294.20 21.9573723

5.	Prof. S Santosh Kumar Prof. Ravi Gatti Prof. Sunil Kumar K N Prof. N Nataraja Prof. Sarala T Prof. P Rajendra Prasad	Glove Based Deaf-Dumb Sign Language Interpreter.	6th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2021	IEEE XPLORE ISBN: 978-1-6654-3559-8 10.1109/RTEICT52294.2021.9573990
6.	Prof. Ravi Gatti Prof. S Santosh Kumar Prof. Sunil Kumar K N	Touchless Electronic Voting Machine with an AI-Facial Recognition.	6th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2021	IEEE XPLORE ISBN: 978-1-6654-3559-8 10.1109/RTEICT52294.2021.9573760
7.	Prof. S Santosh Kumar Prof. Ravi Gatti Dr. Shivashankar Prof. Sunil Kumar K N Prof. N Nataraja Dr. P Rajendra Prasad	Design and Development of Intelligent System for Dairy Farming.	6th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2021	IEEE XPLORE ISBN: 978-1-6654-3559-8 10.1109/RTEICT52294.2021.9573538
8.	Prof. Arjun Kumar G B Prof. S Santosh Kumar Prof. Ravi Gatti Prof. Sunil Kumar K N Prof. N Nataraja Dr. P Rajendra Prasad	Implementation of Smart Card for Vehicles Documentation Verification Using IoT.	6th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2021	IEEE XPLORE ISBN: 978-1-6654-3559-8 10.1109/RTEICT52294.2021.9573975
9.	Prof. Sarala T Dr. Shivashankar Prof. Ravi Gatti Dr. Satyasrikant Palle	Isolation and Dispensing of DC-to-DC Power Supply to High Power Electrical Application Circuits.	6th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2021	IEEE XPLORE ISBN: 978-1-6654-3559-8 10.1109/RTEICT52294.2021.9574011
10.	Prof. Arjun Kumar G B Prof. S Santosh Kumar Prof. Ravi Gatti Prof. Sunil Kumar K N Prof. N Nataraja Dr. P Rajendra Prasad	Face Mask Detection and Temperature Scanning for the Covid-19 Surveillance System.	6th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2021	IEEE XPLORE ISBN: 978-1-6654-3559-8 10.1109/RTEICT52294.2021.9573867



**Sri Venkateshwara College of Engineering**  
**Electronics & Communication Engineering Department**  
**Papers Published by Faculty in Scopus Indexed IEEE International Conference in**  
**CAY 2020-21**


Sl.No.	Authors Name	Title of the Paper	Name of the Conference/ Weather Scopus Index	ISBN/DOI/SSBN
1.	Prof. S Santosh Kumar Dr. Shivashankar Dr. Keshava Murthy	Solar Powered PV Panel Cleaning Robot	5th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2020	IEEE XPLORE ISBN: 978-1-7281-9773-9 <a href="https://doi.org/10.1109/RTEICT49044.2020.9315548">10.1109/RTEICT49044.2 020.9315548</a>
2.	Dr. Shivashankar Dr. J J Jijesh Dr. Dileep Reddy Bolla Dr. Mahaveer Penna Prof. P V Sruthi Prof. Alla Gowthami	Early Detection of Flood Monitoring and Alerting System to Save Human Lives	5th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2020	IEEE XPLORE ISBN: 978-1-7281-9773-9 <a href="https://doi.org/10.1109/RTEICT49044.2020.9315556">10.1109/RTEICT49044.2 020.9315556</a>
3.	Prof. Arjun Kumar G B Dr. Shivashankar Dr. Keshvamurthy Prof. Suni Kumar K N Prof. Ravi Gatti Ms. Medhini B Hegde	Design and Implementation of Smart Shopping Basket	5th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2020	IEEE XPLORE ISBN: 978-1-7281-9773-9 <a href="https://doi.org/10.1109/RTEICT49044.2020.9315702">10.1109/RTEICT49044.2 020.9315702</a>
4.	Prof. Sarala T Dr. Shivashankar Ms. M Poornima Ms. H D Lekhana	Generation And Utilization Of Electricity Using Footsteps As A Source Of Energy	5th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2020	IEEE XPLORE ISBN: 978-1-7281-9773-9 <a href="https://doi.org/10.1109/RTEICT49044.2020.9315633">10.1109/RTEICT49044.2 020.9315633</a>

5.	Dr. Dileep Reddy Bolla Dr. Jijesh J J Dr. Satya Srikanth Palle Prof. Mahaveer Penna Dr. Keshavamurthy Dr. Shivashankar	An IoT Based Smart E-Fuel Stations Using ESP-32	5th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2020	IEEE XPLORE ISBN: 978-1-7281-9773-9 <u>10.1109/RTEICT49044.2</u> <u>020.9315676</u>
6.	Dr. Shivashankar Prof. Mahaveer Penna Dr. Dileep Reddy Bolla Dr. Keshavamurthy Dr. J J Jijesh Ms. H A Navyashree	Real Time Image Classification Based Smart Railway Platform Using Convolutional Neural Network	5th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2020	IEEE XPLORE ISBN: 978-1-7281-9773-9 <u>10.1109/RTEICT49044.2</u> <u>020.9315555</u>
7.	Prof. Mahaveer Penna Dr. Shivashankar Dr. Keshavamurthy Dr. J J Jijesh	Material Analysis to Achieve High Field Confinement for Effective Surface Wave Communication	5th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2020	IEEE XPLORE ISBN: 978-1-7281-9773-9 <u>10.1109/RTEICT49044.2</u> <u>020.9315671</u>
8.	Dr. J J Jijesh Dr. Shivashankar Ms. Ranjitha Ms. D C Revathi Ms. M Shivananjini Ms. R Sirisha	Development of Machine Learning based Fruit Detection and Grading system	5th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2020	IEEE XPLORE ISBN: 978-1-7281-9773-9 <u>10.1109/RTEICT49044.2</u> <u>020.9315601</u>
9.	Prof. Arjun Kumar G R Dr. Shivashankar Dr. Keshavamurthy	Design and Control of Solar-Wind Integrated Conversion System with DFIG for Maximum Power Point Tracking	5th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2020	IEEE XPLORE ISBN: 978-1-7281-9773-9 <u>10.1109/RTEICT49044.2</u> <u>020.9315701</u>
10.	Dr. J J Jijesh Dr. Satya Srikanth Palle Dr. Dileep Reddy Bolla Dr. Mahaveer Penna Prof. V P Sruthi Prof. Gowthami Alla	Design and Implementation of Automated Fire Fighting and Rescuing Robot	5th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2020	IEEE XPLORE ISBN: 978-1-7281-9773-9 <u>10.1109/RTEICT49044.2</u> <u>020.9315552</u>



11.	Dr. Satya Srikanth Palle Dr. J J Jjesh Dr. Dileep Reddy Bolla Prof. Mahaveer Penna Prof. P V Sruthi Prof. Gowthami Alla	Modernized Compartment with Safety Measures in Railways	5th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2020	IEEE XPLORE ISBN: 978-1-7281-9773-9 <a href="https://doi.org/10.1109/RTEICT49044.2020.9315565">10.1109/RTEICT49044.2020.9315565</a>
12.	Dr. G R Poornima Prof. J L Avinash Dr. Satyasrikanth Palle Prof. S Santosh Kumar Prof. K N Sunil Kumar Prof. P Rajendra Prasad	Image Processing Based Human Pursuing Robot	5th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2020	IEEE XPLORE ISBN: 978-1-7281-9773-9 <a href="https://doi.org/10.1109/RTEICT49044.2020.9315662">10.1109/RTEICT49044.2020.9315662</a>
13.	Prof. P Rajendra Prasad Prof. J L Avinash Prof. G B Arjun Kumar Dr. G R Poornima Prof. S Santosh Kumar Prof. K N Sunil Kumar	IoT based Smart Water Quality Monitoring and Flow Control System	5th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2020	IEEE XPLORE ISBN: 978-1-7281-9773-9 <a href="https://doi.org/10.1109/RTEICT49044.2020.9315670">10.1109/RTEICT49044.2020.9315670</a>
14.	Prof. J L Avinash Prof. K N Sunil Kumar Prof. G B Arjun Kumar Dr. G R Poornima Prof. Ravi Gatti Prof. S Santosh Kumar	A Wireless Sensor Network Based Precision Agriculture	5th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2020	IEEE XPLORE ISBN: 978-1-7281-9773-9 <a href="https://doi.org/10.1109/RTEICT49044.2020.9315578">10.1109/RTEICT49044.2020.9315578</a>
15.	Prof. KN Sunil Kumar Prof. N Nataraja Prof. J L Avinash Prof. P Rajendra Prasad Prof. S Santosh Kumar Prof. G B Arjun Kumar	Design of LED's For Interactive Court Lines	5th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2020	IEEE XPLORE ISBN: 978-1-7281-9773-9 <a href="https://doi.org/10.1109/RTEICT49044.2020.9315667">10.1109/RTEICT49044.2020.9315667</a>
16.	Prof. Ravi Gatti Prof. J L Avinash Prof. N Nataraja	Design and Implementation of Vision Module for Visually Impaired People	5th IEEE International Conference on Recent Trends in Electronics	IEEE XPLORE ISBN: 978-1-7281-9773-9

	<b>Dr. G R Poornima Prof. S Santosh Kumar Prof. KN Sunil Kumar</b>		<b>Information &amp; Communication Technology RTEICT- 2020</b>	<b>10.1109/RTEICT49044.2 020.9315645</b>
17.	Prof. Rajendra Prasad P Prof. N Naturaja Prof. G B Arjun Kumar	IoT based Agriculture Flood Water Harvesting and Crop Assessment	5th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2020	IEEE XPLORE ISBN: 978-1-7281-9773-9 <u>10.1109/RTEICT49044.2</u> <u>020.9315714</u>
18.	Dr. Keshavamurthy Dr. Shivashakar Mr. S M Hunagund Mr. S. G. Shiva Prasad Yadav Ms. A Vinutha	Implementation of Secure Multicast Routing for Cognitive Satellite-Terrestrial Networks	5th IEEE International Conference on Recent Trends in Electronics Information & Communication Technology RTEICT- 2020	IEEE XPLORE ISBN: 978-1-7281-9773-9 <u>10.1109/RTEICT49044.2</u> <u>020.9315730</u>

  
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**Sri Venkateshwara College of Engineering**  
**Electronics & Communication Engineering Department**  
 Papers Published by Faculty in Scopus Indexed IEEE International Conference in  
 CAY 2019-20

Sl.No.	Authors Name	Title of the Paper	Name of the Conference/ Weather Scopus Index	ISBN/DOI/SSBN
1.	Dr. Shivashankar Dr. Jijesh J.J Ms. Pooja H R Ms. Shwetha Nagesh Mr. T Gagandeep Mr. Shimron Immanuel S	Swachh Robo Ones Cleanliness Identity	4th IEEE International Conference On Recent Trends in Electronics Information & Communication Technology RTEICT- 2019	IEEE XPLORE ISBN : 978-1-7281-0630-4 <a href="https://doi.org/10.1109/RTEICT46194.2019.9016958">10.1109/RTEICT46194.2019.9016958</a>
2.	Dr. Shivashankar Prof. Dileep Reddy Bolla Mr. Anirudh Sandur Mr. Bharath M L Mr. Dharshan Gowda B G Mr. Mayur A Sagar	Soil Quality Measurement using Image Processing and Internet of Things	4th IEEE International Conference On Recent Trends in Electronics Information & Communication Technology RTEICT- 2019	IEEE XPLORE ISBN : 978-1-7281-0630-4 <a href="https://doi.org/10.1109/RTEICT46194.2019.9016971">10.1109/RTEICT46194.2019.9016971</a>
3.	Dr. Shivashankar Prof. Arjun Kumar G B Mr. Sujay N Mr. Tejas P Mr. Srikanth P Mr. Yashavanth T R	Design and Implementation of Wireless Sensor Network based Smart DC Grid for Smart Cities	4th IEEE International Conference On Recent Trends in Electronics Information & Communication Technology RTEICT- 2019	IEEE XPLORE ISBN : 978-1-7281-0630-4 <a href="https://doi.org/10.1109/RTEICT46194.2019.9016798">10.1109/RTEICT46194.2019.9016798</a>
4.	Dr. Shivashankar Dr. Jijesh J.J Mr. Balu B Naidu Mr. J Michael Mr. Arun Kumar Mr. Dhanush K	Swarm-Based Unmanned Underwater Vehicles to Oversee Dams and Its Surrounding Ecosystem	4th IEEE International Conference On Recent Trends in Electronics Information & Communication Technology RTEICT- 2019	IEEE XPLORE ISBN : 978-1-7281-0630-4 <a href="https://doi.org/10.1109/RTEICT46194.2019.9016851">10.1109/RTEICT46194.2019.9016851</a>

5.	Dr. Shivashankar Prof. Dileep Reddy Bolla Ms. Praneetha R Ms. Rashmi B S	Li-Fi Technology Based Audio and Text Transmission	4th IEEE International Conference On Recent Trends in Electronics Information & Communication Technology RTEICT- 2019	IEEE XPLORE ISBN : 978-1-7281-0630-4 <a href="#">10.1109/RTEICT46194.2</a> 019.9016856
6.	Dr. Keshvamurthy Mrs. Pallavi. B	A Hybrid Diagnosis System for Malignant Melanoma Detection in Dermoscopic Images	4th IEEE International Conference On Recent Trends in Electronics Information & Communication Technology RTEICT- 2019	IEEE XPLORE ISBN : 978-1-7281-0630-4 <a href="#">10.1109/RTEICT46194.2</a> 019.9016745
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