



Department of Electronics and Communication Engineering

Sai Vidya Institute of Technology

Rajanukunte, Bangalore-560064

SATTVA

(August 2016-July 2017)

Vision

To become a center of academic excellence with innovations to make a significant contribution to the society in the field of Electronics and Communication Engineering

Mission

- ❖ To Educate and Empower the students with state-of-art knowledge and innovation in Electronics & Communication Engineering to meet the global challenges
- ❖ To imbibe the professional competency and ethics congenial to the society through training

Program Educational Objectives (PEOs)

PEO1: Design & Develop Innovative electronic systems.

PEO2: Effectively communicate technical information, successfully lead and participate in a multi-disciplinary team environment.

PEO3: Engage in lifelong learning through continuing education and industrial practice.

PEO4: Demonstrate professional ethics and social awareness.

Program Specific Outcomes (PSOs)

Graduates will be able to:

PSO1: Design and simulate Electronics and Communication systems using concepts and tools of electronic circuits, signal processing, VLSI technology and communication.

PSO2: Architect, partition and select appropriate technologies for implementation of a specified electronics & communication system.

Director's Message



I am delighted to note that Department of Electronics and Communication Engineering, SVIT is bringing out Department Newsletter. I appreciate the enthusiasm of eminent members of the Department who have contributed to the Newsletter. Department newsletter definitely provides a platform to showcase the activities and achievements of the students and staff such as: conferences attended by staff members and students, competitions won by students, innovative projects carried out by students with the guidance of staff, among others. I wish the students and staff of Department of Electronics and Communication Engineering, all success.

-Prof. M R Holla

Director, SVIT

Principal's Message



I am extremely happy to know that the Department of Electronics and Communication Engineering, SVIT is bringing out newsletter for the academic year 2018-19 and this is an ongoing process portraying the various Departmental activities. It is great to find a considerable number of achievements in academic and non-academic activities which certainly prove that our staff and students are adequately equipped and possess necessary skill-sets to bring laurels to the institution. I wish that this number may grow in the years to come. My Congratulations to ECE team.

- *Dr. H S Ramesh Babu*

Principal,SVIT

HOD's Message

Dear Students,

On behalf of entire Department of ECE, I welcome you all. I hope you will enjoy your stay in our Department. I am very sure after the end of four year you will come out with flying colors professionally qualified. Our Department has outstanding teachers such as Prof. Y Jayasimha, Prof. Sateesh Kumar HC among others. Department of ECE has done tremendous achievements in the field of research and developments and the department is catalyzed supported by Vision Group on Science and Technology (Dept. of IT, BT & ST Govt. of Karnataka). The department is constantly encouraging and supporting the students to present their work in top international conference held abroad including USA and Europe, to meet the changing requirement of the industry

-*Dr. Chitra Kiran N*

*Professor and Head
Department of ECE,*

Editorial Board

Chief Editor: Dr. Chitra Kiran N

Editorial Board Member :Prof. Sandeep S Naik

Student Member:Ms. Shilpa Singh ,Dept of ECE

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Dr. Narayan K ,Dean R&D, Professor

Dr. Chitra Kiran N, Professor, Head , Dept. of ECE

Dr.Sateesh Kumar H C, Associate Professor

Dr. Mukesh Kumar Singh, Associate Professor

Mr. Venkatesha M, Assistant Professor

Mr. Suryanarayana N K, Assistant Professor

Ms. Asha K, Assistant Professor

Ms. Pavithra G S, Assistant Professor

Mr. Pavan Kumar E , Assistant Professor

Ms. Nayana K, Assistant Professor

Mr. Prashanth N, Assistant Professor

Mr. Darshan R V , Assistant Professor

Mr. Sandeep S N, Assistant Professor

Mrs. Shwetha M, Assistant Professor

Ms. Mallika C. S, Assistant Professor

Ms. Pravalika, Asssitant Professor

Ms. Prabha K, Assistant Professor

Ms. Chaya B M,Assistant Professor

Mr. Rajesh G N, Assistant Professor

Ms. RoopaNanjaiah, Assistant Professor

Mr. Mahesh Kumar , Assistant Professor

Ms. Shilpa M B, Assistant Professor

Ms. Yashaswini K J, Assistant Professor

Ms. Tanuja G, Assistant Professor

Ms. RoshiniSupriya B N, Assistant Professor

Ms. Bindushree A, Assistant Professor

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Sambram Institute of Technology.

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Bangalore.

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General Manager, Operations, XORAIL.

Mr. Raju K

Designated Partner- Technical Lead,
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Mr. JNN Prasad

Vice President , Siemens, Bangalore

Ms. ManeeshaPattanshetti

Alumni , Working at Mainframe,
CapGemini, Software Engineer.

Mr. V VPattanshetti

Parent, AdditionalDirector CPRI.

Events / Workshops Conducted

❖ IEEE Blended Learning on Logic Design

Dr. Chitra Kiran. N (Prof & HOD, Department of ECE, SVIT,) Organised the event. Sunil, Ms. Sowmya ,RV VLSI Design center, Jayanagar 4th T Block, Bangalore – 560041 is the resource person . Dr. Narayan K is the convener of the Workshop that was held on the date 9th July 2016..

Around 50 students are actively participated and conducted the hands on section in the design of VLSI circuits. Trainer also concentrated on the importance of VLSI basics and the opportunities in designing chip for mobile industry to another devices are covered.



Photography of the Hands on sessions in IEEE Blended learning Program

❖ Ethical Hacking & Information Security

Dr. Chitra Kiran. N (Prof & HOD, Department of ECE, SVIT,) Organised and coordinated the even in association with IEEE Photonics Society. The resource person were from Tech Bharath Consulting that was held on the date 1st April 2017.

The workshop is conducted to train students to design, deliver information about information security. 220 students actively participated in this workshop.

In this workshop the students were able to gain basic knowledge about security threats to the computer and on Cyber security and mobile hacking.



Addressing by our Principal Dr. Ramesh Babu H S about the workshop

Toppers Meet

The Management, Principal and Staff of Department of Electronics and Communication congratulated the toppers and conducted 'Toppers Meet' on **December 2016**, **Dr.H.S Ramesh Babu**, Principal of our institution graced the occasion with his presence. **Dr.Chitra Kiran N**, Professor and Head Department of Electronics and Communication Engineering and the faculties of Department of electronics and communication engineering worked as a team to make the event a grand success. All the students from second year, third year and final year of the Department of ECE participated in the event along with the toppers.

Final Year Students:

| Class Toppers | Name | USN | Marks |
|---------------|-----------|------------|--------|
| 1 | Shwetha G | 1VA13EC081 | 79.44% |
| 2 | Anusha K | 1VA13EC006 | 78.66% |
| 3 | Ananya N | 1VA13EC005 | 78% |
| 4 | Swathi S | 1VA13EC093 | 77.11% |

Third Year Students:

| Class Toppers | Name | USN | Marks |
|---------------|---------------|------------|--------|
| 1 | AkshayUppin | 1VA14EC044 | 78.33 |
| 2 | NeduriShruthi | 1VA14EC063 | 76.77% |
| 3 | Dhanush S | 1VA14EC022 | 74.66% |
| 4 | Shilpa Singh | 1VA14EC092 | 74.44% |

Second Year Students:

| Class Toppers | Name | USN | Marks (in SGPA) |
|---------------|--------------------------|------------|-----------------|
| 1 | Jeevitha J R | 1VA15EC032 | 8.64 |
| 2 | Kokila N | 1VA15EC038 | 8.29 |
| 3 | Vishali C | 1VA15EC105 | 8.29 |
| 4 | ChitapartyAkilkumarreddy | 1VA15EC014 | 8.14 |

Student Publications

Electronics & Communication Engineering Academic Year 2016-17

| S.No. | USN | Student | Title of the paper | Name of the Journal/Conference | Publication details (Vol, Issue, page number, year, place) | ISBN/ISS N/DOI |
|-------|------------|-----------------------|---|---|--|----------------------------------|
| 1 | 1VA13EC005 | Ananya N | Improved light extraction efficiency of organic LED using crystals | 5 th International conference on Photonics, PHOTOPTIC S-2017 | Porto, Portugal, 27 Feb to 1 March 2017, SCITEPRESS | <u>10.5220/0006153902560259.</u> |
| 2 | 1VA13EC003 | Akshatha | Design and analysis of micro-fluidic channel for Dielectrophoretic separation in Biomedical application | 3 rd National Conference on Recent Trends in Electronics and Communication NCRTC-2017 | Global Academy of Technology, Bangalore. 12 th May 2017 | Paper presented |
| 3 | 1VA13EC006 | Anusha K | | | | |
| 4 | 1VA13EC008 | Arpitha K | | | | |
| 5 | 1VA13EC086 | Sowmya B | | | | |
| 6 | 1VA13EC018 | Devika Rani C | Li-Fi based intelligent device switching | πCES International Journal-2017 Perspectives in communication, embedded-systems & signal processing | Volume 1, Issue 2 May 2017 | 2566-932X |
| 7 | 1VA13EC022 | HarshiniPoornasindu J | | | | |
| 8 | 1VA13EC026 | Hazel Varghese | | | | |
| 9 | 1VA13EC049 | Monica S | | | | |
| 10 | 1VA13EC010 | Asha N H | Oculography: A review paper | πCES International Journal-2017 Perspectives in communication, embedded-systems & signal processing | Volume 1, Issue 2 May 2017 | 2566-932X |
| 11 | 1VA13EC013 | Ashwini A | | | | |
| 12 | 1VA13EC024 | Harshitha A S | | | | |
| 13 | 1VA13EC106 | DeepthiChengappa N C | | | | |
| 14 | 1VA13EC021 | H Surekha | Design and Modeling of Mach-Zehnder Interferometer for Bio-Sensing application | IEEE_DSCE students branch in coordination with IEEE Bangalore | 1 st -2 nd June 2017 | Paper presented |
| 15 | 1VA13EC014 | Bharath Kumar M R | | | | |
| 16 | 1VA13EC090 | Suhas S | | | | |

| | | | | | | |
|----|------------|-----------------------|--|---|---|---|
| 17 | 1VA13EC105 | Poojashri S S | | | | |
| 18 | 1VA12EC025 | Pavan Kumar | Real time multi-model sensory data for prosthetic hand control | International journal of electronics & communication technology. | Volume 8, issue 2 June 2017 | ISSN:2230 - 7109(online) ISSN:2230 - 9543(print) |
| 19 | 1VA13EC001 | Adarsh H V G | | | | |
| 20 | 1VA13EC029 | Jayanth P | | | | |
| 21 | 1VA13EC004 | Amar HanumanthKumashi | Autism disorder analysis spectra with EEG assessment | IJAIM | June 2017 | ISSN:2320 -5121 |
| 22 | 1VA13EC015 | BhuvanTeja | | | | |
| 23 | 1VA13EC037 | Likhitha K | | | | |
| 24 | 1VA13EC046 | Meghana J | | | | |
| 25 | 1VA13EC007 | Anusha L | Modeling and analysis of band structure for photonic crystals | 3 rd National Conference on Recent Trends in Electronics and Communication on NCRTC-2017 | Global Academy of Technology, Bangalore. 12 th May 2017 | Paper presented |
| 26 | 1VA13EC011 | Asha Rani A | | | | |
| 27 | 1VA13EC041 | Madhuri T | | | | |
| 28 | 1VA13EC027 | Hemalatha S P | | | | |
| 29 | 1VA13EC030 | Kanchan Kumari | Photonic crystal-based ring resonator for temperature and pressure measurement | OSR Journals | June 2017 | ID D73 086 |
| 30 | 1VA13EC044 | MatadaSushma | | | | |
| 31 | 1VA13EC050 | Monica N | | | | |
| 32 | 1VA13EC063 | Priyadarshini B S | | | | |
| 33 | 1VA13EC023 | Harshith Kumar M | A Novel design of algorithm for the control of artificial face with gesture recognition technology | IJAIM | June 2017 | ISSN:2320 -5121 |
| 34 | 1VA13EC040 | Madan H R | | | | |
| 35 | 1VA13EC053 | Nandini C | | | | |
| 36 | 1VA13EC054 | Nandini V | | | | |
| 37 | 1VA13EC002 | Akarsh S M | Design and Analysis of BOT | IOSR Journals | 19 th June 2017 | ID D73088 |
| 38 | 1VA13EC009 | Arun Kumar S | | | | |
| 39 | 1VA13EC033 | Krishna B | | | | |

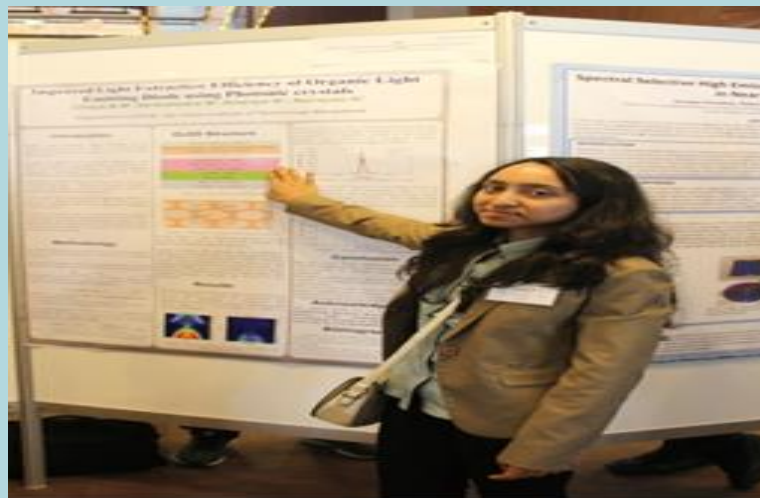
| | | | | | | |
|----|------------|---------------------|--|--|--|-----------------|
| 40 | 1VA13EC077 | Sangeetha Yadav B N | Design and analysis of step index waveguide for average power and effective mode index | 3 rd National Conference on Knowledge Discovery in Information Technology and Communication Engineering | Brindavan College of Engineering. 17 th may 2017 | Paper presented |
| 41 | 1VA13EC081 | Shwetha G | | | | |
| 42 | 1VA13EC084 | Sindhu R Hegde | | | | |
| 43 | 1VA13EC060 | Pooja N | A novel approach towards the design and implementation of weed drones | IJAIM | June 2017 | ISSN:2320-5121 |
| 44 | 1VA13EC072 | Rashmitha T H | | | | |
| 45 | 1VA13EC095 | Tejaswini C H | | | | |
| 46 | 1VA13EC096 | Vaishnavi B | | | | |
| 47 | 1VA11EC096 | Sushma | Modelling and simulation of Fabry-Perot cavity as resonator for sensor applications | 3 rd National Conference on Recent Trends in Electronics and Communication NCRTC-2017 | Global Academy of Technology, Bangalore. 12 th May 2017 | Paper presented |
| 48 | 1VA12EC095 | Sankeerthana V | | | | |
| 49 | 1VA13EC085 | Sindhu Shree G N | | | | |
| 50 | 1VA13EC091 | Suma R | | | | |
| 51 | 1VA13EC016 | Chaitra S | Modelling and analysis of quality factor for photonics crystal cavity | 3 rd National Conference on Recent Trends in Electronics and Communication NCRTC-2017 | Global Academy of Technology, Bangalore. 12 th May 2017 | Paper presented |
| 52 | 1VA13EC071 | Rashmi K V | | | | |
| 53 | 1VA13EC082 | Shyamala R | | | | |
| 54 | 1VA13EC102 | Y N Prathyusha | | | | |
| 55 | 1VA12EC414 | Rakesh V | Android Based Monitoring and Smart Planning of Urban Solid Waste management | 3 rd National Conference on Recent Trends in Electronics and Communication NCRTC-2017 | Global Academy of Technology, Bangalore. 12 th May 2017 | Paper presented |
| 56 | 1VA11EC106 | Veeraj | | | | |
| 57 | 1VA11EC070 | Rajashekar | | | | |
| 58 | 1VA13EC043 | Manasi A Gokaran | Mine Detection Robot by using | 3 rd National Conference on | Global Academy of | Paper presented |

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|----------|------------|-------------------------|--|--|---|--|
| 59 | 1VA10EC033 | Jyothi L | GSM module | Recent Trends in Electronics and Communication NCRTC-2017 | Technology, Bangalore. 12 th May 2017 | |
| 60 | 1VA13EC074 | Sagar M N | Implementation of solar in automated metro train using arm cortex | 3 rd National Conference on Recent Trends in Electronics and Communication NCRTC-2017 | Global Academy of Technology, Bangalore. 12 th May 2017 | Paper presented |
| 61 | 1VA13EC098 | Varun H N | | | | |
| 62 | 1VA14EC400 | Chandan P | | | | |
| 63 | 1VA14EC402 | Gurunath K | | | | |
| 64 | 1VA13EC064 | Priyanka Dhusia | The design of mobile control car security system using arm controller | IOSR journal | June 2017 | ID D73102 |
| 65 | 1VA13EC065 | Pruthvi B | | | | |
| 66 | 1VA13EC068 | Raksha J | | | | |
| 67 | 1VA12EC086 | Subhashree | | | | |
| 68 | 1VA13EC055 | Navyatha C V | A new approach to road detection in challenging outdoor environment vehicles | International conference on signal processing, communication and automation (ICSIPCA-2017) | Paper ID 184 6 th -7 th July 2017 | ICSIPCA Journal, |
| 69 | 1VA13EC070 | Ranjitha S | | | | |
| 70 | 1VA13EC092 | Supriya K | | | | |
| 71 | 1VA13EC097 | Varsha P Shetty | | | | |
| 72 | 1VA12EC404 | Karthik B M | Rapid entire body postural analysis assessment | 3 rd National conference on Advancements in Information Technology | JSS Academy of Technical Education. May 19 th -20 th 2017 | Paper presented |
| 73 | 1VA12EC024 | Charith H C | | | | |
| 74 | 1VA13EC405 | Mohan Kumar H U | | | | |
| 75 | 1VA13EC056 | Nithil N | Antennas and Photovoltaic panels: Toward a green communication | International journal of electronics & communication technology. | Volume 8, issue 2 June 2017 | ISSN:2230 - 7109(online) ISSN:2230 - 9543(print) |
| 76 | 1VA13EC059 | Nithin D R | | | | |
| 77 78 | 1VA14EC404 | Nagapati M Shet | | | | |
| 78 | 1VA13EC062 | Pramod V | | | | |
| 79 | 1VA13EC020 | Gowthami D | An Image Processing algorithm for silkworm egg counting | ICES International Journal-2017 Perspectives in communication, embedded-systems & | Volume 1, Issue 2 May 2017 | 2566-932X |
| 80 | 1VA13EC032 | Kavitha P R | | | | |
| 81 | 1VA13EC035 | Lavanya Sanjeev Poojary | | | | |
| 82 | 1VA13EC045 | Megha G V | | | | |

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|----|------------|-------------|--|--|---------------------------|-----------------|
| 83 | 1VA14EC005 | AkshayUppin | Security Assessment of Computer Networks-on Ethical Hacker's Perspective | NCRTEC-2017 Global Academy of Technology | 12 th May 2017 | Paper presented |
|----|------------|-------------|--|--|---------------------------|-----------------|

Students Achievements

- ❖ **Ms. Swekrithi Shetty** Department of Electronics and Communication Engineering have participated in the event **International Level Sweden-Indi Nobel Memorial Quiz 2016-17** held at R V College of Engineering Bangalore on the date 19th August 2016
- ❖ **Ms. Kusuma S** Department of Electronics and Communication Engineering have participated in the event **BMSIT Auto Expo** held at BMSIT, Bangalore on the dates 23rd and 24th September 2016 and she won the second Prize.
- ❖ **Mr. AkshayUppin(VI SEM)**, participated in **State Level Jnana – Tantrajana -Vijnana- Mela-2017**, Project exhibition held on 20th and 21st Feb 2017 at Sri KshetraAdichunchanagiri.
- ❖ **Ms. Ananya N**, of 8thsemester have presented the paper at **PHOTOPTICS 2017**, Porto - Portugal, Proceedings of the 5th International Conference on Photonics, Optics and Laser Technology - Volume 1: PHOTOPTICS, 256-259, Under the guidance of Dr.Narayan.K, Professor, Head and Prof. Chaya B M, Department of ECE.



Ms Ananya N attended the Photoptics 2017 at Porto- Portugal Europe.

Students sponsored / received grants from IEEE to visit Conferences held Abroad



Ms. Ananya N Department of ECE is one of the active student members of IEEE and IEEE photonics and EMBS chapters. She is the recipient of Rs 10,000/- Travel Grant from College and Rs 15,000/- support from Dr. Narayan .K , Dean R & D and Professor from his personal funds to attend one of the top conferences PHOTOPTICS ,March 2017 held in **Porto- Portugal, Europe.**

Project Exhibition

Sai Vidya Institute of Technology had conducted a project exhibition for students of the final year of all the branches. The exhibition was conducted on 18th May 2017.

List of Best Projects of the Batch 2016-17

| SL.No | USN | Name of the Students | Title of the Project |
|-------|------------|----------------------|---|
| 1. | 1VA13EC069 | Rakshith G N | Design and Implementation of electric Kudal for Agricultural Application |
| | 1VA13EC075 | Sandeep G | |
| | 1VA13EC078 | Shivaraj Kumar N | |
| | 1VA13EC088 | Suchith Kumar M | |
| 2. | 1VA13EC002 | Akarsh M | Yielding of more crops from plants by adding appropriate Nitrogen |
| | 1VA13EC009 | Arun Kumar S | |
| | 1VA13EC033 | Krishna B | |
| 3 | 1VA13EC074 | Sagar M N | Implementation of Solar system in an automated metro train using ARM Controller |
| | 1VA13EC098 | Varun H N | |
| | 1VA14EC400 | Chandan P | |
| | 1VA14EC402 | Gurunath K | |

Glimpses of Project Exhibition



FDP/ Workshops attended by Faculty

| Sl. No. | Name of the Faculty | Name of the FDP/ Workshop | Place | No. of Days |
|---------|-----------------------|--|--------------------------|-------------|
| 1 | Dr. Narayan K | Summer school in optics and Photonics | IISc, Bengaluru | 5 Days |
| 2 | Mr. Suryanarayana N K | Recent trends in Wireless sensor Networks with hands on session using NS-2 | SVIT, Bangalore | 3 Days |
| 3 | Mr. Suryanarayana N K | Contemporary Classroom Management Techniques | SVIT, Bangalore | 3 Days |
| 4 | Ms. Asha K | Summer school in optics and Photonics | IISc, Bengaluru | 5 Days |
| 5 | Ms. Asha K | Matrix Laboratory for Teaching and Research | Reva University | 2 Days |
| 6 | Mr. Venkatesha M | Summer school in optics and Photonics | VGST & KSTEPS, Bengaluru | 2 Days |

| | | | | |
|----|-------------------|---|-----------------------------------|--------|
| 7 | Ms. Chaya B M | Research Methodology | Cambridge Institute of Technology | 2 Days |
| 8 | Ms. Chaya B M | Summer school in optics and Photonics | IISc, Bengaluru | 5 Days |
| 9 | Ms. Pavithra G S | NS-3 and its Usage | Global Academy of Technology | 2 Days |
| 10 | Ms. Shwetha M | Summer school in optics and Photonics | IISc, Bangalore | 5 Days |
| 11 | Mr. Pavan Kumar E | Pattern Recognition, soft Computing & Audio, Video Processing using DSP Processor | PES Institute of Technology | 5 days |
| 12 | Mr. Pavan Kumar E | Contemporary Classroom Management Techniques | SVIT, Bangalore | 2 days |
| 13 | Ms. Nayana K | Recent trends in Wireless sensor Networks with hands on session using NS-2 | SVIT, Bangalore | 3 Days |

MOOC Certification by Faculties

| Sl.No | Faculty Name | Course | Organization / University |
|-------|--------------|-----------------------|---------------------------|
| 1 | Ms. Asha K | Optical Communication | NPTEL |

Faculty Publications

Dr.Narayan K

- Improved Light Extraction Efficiency of Organic Light Emitting Diode using Photonic crystals. Conf. Conf.PHOTOPTICS May 2017, **ScopusDOI:** [10.5220/0006153902560259](https://doi.org/10.5220/0006153902560259)
- Effect of Moth eye Anti reflective coatings in extraction of Far field Intensity of an Organic Light Emitting Diode. Conference IEEE WRAP 2017 **Scopus DOI:** [10.1109/WRAP.2017.8468556](https://doi.org/10.1109/WRAP.2017.8468556)
- A Ring Resonator with Liquid Crystal for Bio-sensing Application. Conf. IEEE WRAP April 2017 **Scopus DOI:** [10.1109/WRAP.2017.8468552](https://doi.org/10.1109/WRAP.2017.8468552)

- Single Mode Graphene based Waveguide for Integrated Optical Biosensors at Visible Wavelength. Conf. OSA TechnicalDigest December 2016, **Scopus** DOI:<https://doi.org/10.1364/PHOTONICS.2016.Th3A.17>
- Effects of 2D Photonic Crystals in light extraction efficiency of an Organic Light Emitting Diode. Conf. OSA Technical Digest December 2016, **Scopus**.DOI:<https://doi.org/10.1364/PHOTONICS.2016.Tu4A.45>
- Analysis of SOI based MEMS Actuated Waveguide Bragg Grating for Sensing and Communication Applications. Conf. OSA TechnicalDigest December 2016, **Scopus**DOI:<https://doi.org/10.1364/PHOTONICS.2016.Th3A.11>
- Mach-Zehnder interferometer for separation of platelets from red blood cells using dielectrophoretics. AIP Conf. Proc. September 2016, **Scopus** DOI: <http://dx.doi.org/10.1063/1.4942750>

Prof. Venkatesha M

- Improved Light Extraction Efficiency of Organic Light Emitting Diode using Photonic crystals.Conf. Conf.PHOTOPTICS May 2017, **Scopus**DOI: [10.5220/0006153902560259](https://doi.org/10.5220/0006153902560259)
- Effect of Moth eye Anti reflective coatings in extraction of Far field Intensity of an Organic Light Emitting Diode. Conference IEEE WRAP 2017 **Scopus** DOI:[10.1109/WRAP.2017.8468556](https://doi.org/10.1109/WRAP.2017.8468556)
- Single Mode Graphene based Waveguide for Integrated Optical Biosensors at Visible Wavelength. Conf. OSA TechnicalDigest December 2016, **Scopus** DOI:<https://doi.org/10.1364/PHOTONICS.2016.Th3A.17>
- Effects of 2D Photonic Crystals in light extraction efficiency of an Organic Light Emitting Diode. Conf. OSA Technical Digest December 2016, **Scopus**.DOI:<https://doi.org/10.1364/PHOTONICS.2016.Tu4A.45>

Prof.Shwetha M

- A Ring Resonator with Liquid Crystal for Bio-sensing Application. Conf. IEEE WRAP April 2017 **Scopus** DOI: [10.1109/WRAP.2017.8468552](https://doi.org/10.1109/WRAP.2017.8468552)
- Mach-Zehnder interferometer for separation of platelets from red blood cells using dielectrophoretics. AIP Conf. Proc. September 2016, **Scopus** DOI: <http://dx.doi.org/10.1063/1.4942750>

Prof. Pavan Kumar E

- A Novel Approach towards Design and Implementation of an Semi-Autonomous

Drone for Rescue from Bees PAPERID:icsipca183, International conference on Signal, Image Processing, Communication & Automation (ICSIPCA-2017).

- New Approach to Road Detection in Challenging Outdoor Environment for Vehicles.PAPERID:icsipca184 , International conference on Signal, Image Processing, Communication & Automation (ICSIPCA-2017).
- Design and Analysis of BOT, IOSR Journals, ID D73088, June 2017
- A Novel design of algorithm for the control of artificial face with gesture recognition technology, IJAIM, ISSN:2320-512, June 2017

Prof. Chaya B M

- Improved Light Extraction Efficiency of Organic Light Emitting Diode using Photonic crystals.Conf. Conf.PHOTOPTICS May 2017, **ScopusDOI:** [10.5220/0006153902560259](https://doi.org/10.5220/0006153902560259)
- Effect of Moth eye Anti reflective coatings in extraction of Far field Intensity of an Organic Light Emitting Diode. Conference IEEE WRAP 2017 **Scopus DOI:**[10.1109/WRAP.2017.8468556](https://doi.org/10.1109/WRAP.2017.8468556)
- Single Mode Graphene based Waveguide for Integrated Optical Biosensors at Visible Wavelength. Conf. OSA TechnicalDigest December 2016, **Scopus DOI:**<https://doi.org/10.1364/PHOTONICS.2016.Th3A.17>
- Effects of 2D Photonic Crystals in light extraction efficiency of an Organic Light Emitting Diode. Conf. OSA Technical Digest December 2016, **Scopus.DOI:**<https://doi.org/10.1364/PHOTONICS.2016.Tu4A.45>

Graduation Day-2019

Best Outgoing student – 2018-19



Ms. Ananya N receiving award "Best Outgoing student" of Department of ECE and College from Dr. Narayan K, Dean R & D and Professor



**Department of Electronics and Communication Engineering
(2013 - 2017)**

Graduation Day Photo of ECE A section -2013-2017 Batch



Graduation Day Photo of ECE B section -2013-2017 Batch