Name: Dr. S.Senthilkumar
Designation : Assistant Professor
Department: Electronics \& Instrumentation Engineering
Mail.I.D : senthilkumar_s@ vnrvjiet.in

Experience (in years): 14 years 04 months
Teaching: 13 years 05 months


Others(if any, specify):
Industrial : 10 months

1. Educational / Technical qualifications:

| S.No | Level (UG / PG / Ph.D) | Year of <br> passing | Specialization |
| :---: | :--- | :---: | :--- |
| 1 | PhD | 2018 | Robotics and Automation |
| 2 | M.E | 2009 | Electronics and Instrumentation Engineering |
| 3 | M.B.A | 2010 | General |
| 3 | B.E | 2006 | Process Control and Instrumentation |

2. Teaching and Learning:

### 2.1. Teaching Interests:

$>$ Process Control
> Virtual Instrumentation
$>$ Robotics
> Industrial Instrumentation
> Instrumentation System Design
> Analytical Instrumentation
2.2. Novel Teaching \& Learning Techniques adopted:
$>$ Information is correlated to the present trends in the industry
$>$ Discuss with IIT professors and collect the information about the recent trends and deliver to the students.

### 2.3. Involvement in curriculum updating / Design:

$>$ Collect the information from IIT and NIT professors
$>$ Communicate to industrial people to update the curriculum
$>$ Visit to industries to update the knowledge

## 3. Co-curricular and Extra-Curricular Activities

### 3.1. Interests and Hobbies:

$>$ Interested in reviewing the research articles related to area of specialization
> Driving
> Reading books

### 3.2. CCA/ECA Organized

 :
### 3.3. CCA/ECA participated

### 3.4. Counseling and Mentoring Activity

3.5. Committees involved in

Department level : Publication In charge, NBA Co-Coordinator
Institute Level : Autonomous Vehicle Research Group Lead.
4. Conference / Workshop / Seminar / Guest Lectures :
4.1 Conducted : 22

| S.No | Name of the Programme | Title of the Programme | Date |
| :---: | :---: | :---: | :---: |
| 1. | National Conference | Innovative Technologies in Electronics and Computer Networking (NCITECN'17) | 04.04.17 |
| 2. | IEEE sponsored National level workshop | Recent Trends of Nano Technology in Electronics | 08.02.16 |
| 3. | Technical Seminar | Nuclear power is the need of the hour | 13.08 .14 |
| 4. | Workshop | Basic Electrical, Electronics and Instrumentation | 31.07.10 |
| 5. | Workshop | Real Time Applications of PLC and DCS | 02.09.10 |
| 6. | National Level <br> Technical <br> Symposium | INSGLITZ’ 10 | 24.09.10 |
| 7. | Seminar | Basics of LabVIEW | 10.01.11 |
| 8. | Guest Lecture | Stability analysis of Control System | 11.01.11 |
| 9. | Workshop | Recent trends in Virtual instrumentation using LabVIEW | 11.03.11 |
| 10. | Workshop | Recent trends in Process Control Automation | 20.08.11 |
| 11. | National Level Tech. Symposium | INSGLITZ'11 | 21.09.11 |
| 12. | Workshop | Embedded system in Industrial Automation | 10.01.12 |
| 13. | AICTE Sponsord Seminar | Recent trends in Virtual Instrumentation | $\begin{array}{\|l\|} \hline 21.05 .12 \\ \& 22.05 .12 \end{array}$ |
| 14. | Workshop | Rapid Development of Embedded system using flow code | $\begin{aligned} & 30.08 .12 \\ & \& 31.08 .12 \end{aligned}$ |
| 15. | National Level Tech. Symposium | INSGLITZ' 12 | 28.09.12 |


| 16. | Workshop | PLC programming and Applications in <br> Process Control | 20.02 .13 |
| :---: | :--- | :--- | :--- |
| 17. | Value added Course | Lab VIEW- Application to Industrial <br> Automation | 25.06 .13 <br> $\& 26.06 .13$ |
| 18. | Alumni Interaction | Over View of BIGDATA | 02.09 .13 |
| 19. | Certification Course |  <br> Fabrication Process | 28.06 .13 <br> $\& 29.06 .13$ |
| 20. | National Level Tech. <br> Symposium | INSGLITZ'13 | $06.09 .12 ~ \& ~$ <br> 07.09 .12 |
| 21. | Guest Lecture | Embedded System Applications to <br> modern Industries | 08.03 .14 |
| 22. | Alumni Interaction | What the Industries require? | 08.03 .14 |

### 4.2 Attended :

## Work Shops \& Seminars

> Attended One day workshop on "Ethical Hacking", 3rd Dec 2015, Conducted by iSYSWAY Technologies, Thanjavur.
> Attended One day workshop on "Environmental Pollution and Control", 21st November 2015, held at KarpagamCollege of Engineering, Coimbatore, Tamilnadu.
> Attended One day workshop on "Applications of GIS in Disaster Management", 20th October 2012, held at KPR Institute of Engineering and Technology, Coimbatore, Tamilnadu.
> Attended technical seminar on "MEMS/ Nano Technology Integration for Bio-Medical Application", 24th-25th May2012, held at Muthayammal Engineering College, Rasipuram.
> Attended International Workshop on "Emerging Trends in Technology", 24th \& 25th February 2012 held at Thakur College of Engineering and Technology, Mumbai.
> Attended National Workshop on 'Industrial Automation', 7th November 2011 held at Manipal University, Manipal,Karnataka.
> Attended Workshop on 'RF-Wireless Communication System Design using LabVIEW' 25th - 26th March 2010, Organized by ICT Academy of Tamilnadu held at Muthayammal Engineering College, Rasipuram, Tamilnadu.
> Attended International Workshop on 'Development of Technical Education to Meet Millennium Development Goals' 11th November 2011, Organized by National Institute of Technical Teachers Training and Research (NITTTR) held at Muthayammal Engineering College, Rasipuram, Tamilnadu.
> Attended UGC sponsored short term course on 'Goal Oriented System Modelling and Identification' (GOSMI'09), 7th -8th January 2009 held at Annamalai University, Chidambaram.

| Title of the webinar | Date | Organized by |
| :---: | :---: | :---: |
| BIRAC Entrepreneurship | 28th April 2020 | TiE, Delhi \& BIRAC, Delhi |
| Awareness webinar | $10.30 \mathrm{am}-12.00 \mathrm{pm}$ |  |


| Improving research planning \& writing skills at technical institute | $\begin{gathered} \text { 29th April } 2020 \\ \text { 11.00am - 12.30pm } \end{gathered}$ | Elsevier |
| :---: | :---: | :---: |
| Work and Play, Together: Best Practices for Remote Working | $\begin{gathered} \text { 30th April } 2020 \\ \text { 11.30am - } 1.00 \mathrm{pm} \end{gathered}$ | TiE, Delhi |
| A panel discussion on lock down <br> Period- work life balance | $\begin{gathered} \text { 2nd May } 2020 \\ 5.00 \mathrm{pm}-6.30 \mathrm{pm} \end{gathered}$ | IEEE Hyderabad |
| Gas insulated substations and their benefits | $\begin{gathered} \text { 3rd May 2020 } \\ 5.30 \mathrm{pm}-7.00 \mathrm{pm} \end{gathered}$ | IEEE Hyderabad |
| How to fabricate projects in proteus simulation | $\begin{gathered} \hline 15 \mathrm{th} \text { May } 2010 \\ 02.00 \mathrm{pm}-03.00 \mathrm{pm} \end{gathered}$ | Muthayammal Engg. College, Tamilnadu |
| Pattern Recognition and its Application | $\begin{gathered} 21 \mathrm{st} \text { May } 2020 \\ 02.00 \mathrm{pm}-03.30 \mathrm{pm} \end{gathered}$ | CVR College of Engineering |
| LaTeX - A Scientific Documenting Tool | $\begin{gathered} \hline 21 \mathrm{st} \text { May } 2020 \\ 04.00 \mathrm{pm}-06.00 \mathrm{pm} \\ \hline \end{gathered}$ | IEEE VNR SB |
| Introduction to graphical programming using LabVIEW | $\begin{gathered} 25 \mathrm{st} \text { May } 2020 \\ 03.00 \mathrm{pm}-05.00 \mathrm{pm} \end{gathered}$ | E\&I Dept., VNRVJIET |
| Simulation and Design of PCB in proteus simulator | $\begin{gathered} \text { 5th June } 2020 \\ 10.00 \mathrm{am} \text { to } 12.00 \mathrm{pm} \\ \hline \end{gathered}$ | SNS College of Technology, Tamilnadu |
| Wise financial planning for faculty | 4th June 2020 | Sri Venkateswara College of Engg., Tamilnadu |
| Art of challenges of writing papers in IEEE transactions | 8th June 2020 | IEEE Bangalore Section |
| Teaching and understanding of control systems using open source software | 13th June 2020 | VNRVJIET |
| Factory automation using siemens TIA portal | 19th June 2020 | VNRVJIET |
| Introduction to patent writing and associated protocol | 26th June 2020 | VNRVJIET |
| Data Science \& Machine Learning | 4th July 2020 | EGS Pillay Engg. College, Tamilnadu. |
| Limitations of linear controllers and introduction to intelligent controllers | 6th July 2020 | Karpagam college of engineering (Autonomous), Tamilnadu |
| Art of Teaching | 7th July 2020 | Gayatri Vidya Parishad College of Engineering, Visakhapatnam |
| Artificial Intelligence and Image processing | 9th \& 10th July 2020 | EGS Pillay Engg. College, Tamilnadu. |
| "Embedded and IoT Based Real Time Project Development Using Arduino and MIT App Inventor | 10th July 2020 | St.Joseph college of Engg. \& Tech |
| An International Webinar on Successful Research Papers: From Concept to Submission | 13th July 2020 | Kakatiya Institute of Technology and Science, Warangal |
| online teaching tips and tools | 17th July 2020 | Leading india.in (Bennett University) |


| Secure yourself from Cyberbullying | 17th July 2020 | EGS Pillay Engg. College, Tamilnadu. |
| :---: | :---: | :---: |
| Robotics : Connecting Engineering Minds | 22nd July 2020 | McGraw Hill |
| Challenges Vs Expectation Entrepreneurship ecosystem | 23rd July 2020 | T-Hub Foundation |
| In House Training on Video Content Development | 24th July 2020 | VNRVJIET |
| How to write winnable research proposals | 28th July 2020 | VNRVJIET |
| Instrumentation in process industries | 29th July 2020 | VNRVJIET |
| PEDAGOGY - Case Based Study Learning | 03rd Aug 2020 | EGS Pillay Engg. College, Tamilnadu. |
| Reliability aspects in power system planning and operation | 10th Aug 2020 | VNRVJIET |
| Signal Processing And Computational imagE formation (SPACE) | 11th Aug 2020 | organized by the IEEE Computational Imaging <br> Technical Committee (CI TC), sponsored by the IEEE Signal Processing Society (SPS), and run as a Michigan State University (MSU) |
| Climate Change and their Impacts | 11th Aug 2020 | EGS Pillay Engg. College, Tamilnadu. |
| Surface Plasmon Resonance based Biosensors | 12th Aug 2020 | Lakireddy Bali Reddy College of Engineering, Andhra Pradesh |
| Simulation of electronic projects using proteus software | 14th Aug 2020 | SSN College of Engineering, Chennai |
| Simulation of electrical and electronic projects using proteus software | 17th Aug 2020 | PSG Polytechnic College, Coimbatore, Tamilnadu |
| Virtual Teaching and OBE Software for Engineering Colleges | 20th Aug 2020 | Vmedulife software services, Hyderabad |

## Faculty Development Programme

> Attended Faculty Development Program on "Control Theory and Applications" 29th June to 3rd July 2020, organized by Vignan institute of Technology and Science, Hyderabad
> Attended Faculty Development Program on "Exploring the Nuances of Deep Learning for Research Applications - A Deeper Experience" 13th - 17th July 2020, organized by Karunya Institute of Technology and Sciences, Tamilnadu
> Attended Faculty Development Program on "Artificial Intelligence and Machine learning" 13th - 17th July 2020 organized by VNR Vignana Jyothi Institute of engineering and technology, Hyderabad.
> Attended Faculty Development Program on "Recent advances in renewable energy and energy efficiency technologies", 21st - 25th July 2020, organized by Mahatma Gandhi Institute of technology, Hyderabad.
> Attended AICTE Sponsored Faculty Development Program on "Cyber physical systems design technologies and applications", 03rd - 8th Aug 2020, organized by Kalasalingam Academy of Research and Education, Tamilnadu
> Attended Faculty Development Program on "3D printing for industrial and biomedical applications" 2nd - 5th December 2019, held at VNR Vignana Jyothi Institute of engineering and technology, Hyderabad.
> Attended Faculty Development Program on "Robotics and Artificial Intelligence" 24th - 28th June 2019, held at VNR Vignana Jyothi Institute of engineering and technology, Hyderabad.
> Attended Staff Development Program on "Multi-Objective optimization techniques for manufacturing processes" 16th - 28th April 2012, held at Muthayammal Engineering College, Rasipuram.
> Attended Staff Development Program on 'LabVIEW with hands on Training' 11th - 15th December 2010 Conducted by ICT Academy of Tamilnadu in Association with National Instruments held at Saveetha Engineering College, Chennai.
> Attended Staff Development Program on 'Emotional Intelligence-A Need for Faculty Members' 10th 22nd May 2010, held at Muthayammal Engineering College, Rasipuram.

## 5. Academic Contribution and Research \& Consultancy:

### 5.1. Invited Lectures : 02

> Delivered lecture in National Level One-day Workshop on 'ROBOTICS IN INDUSTRIAL AUTOMATION' held at Karpagam College of Engineering, Coimbatore on 20th November 2015.
$>$ Delivered lecture on 'Impact of Automation Technology In Industrialized Electrical Building System' Er.Perumal Manimekalai College of Engineering, Tamilnadu.

### 5.2. Articles / Chapters published in Books : Nil

5.3. Books published as single author or as editor : Nil

### 5.4. Projects Guided :

a) UG: 22
b) PG: 12
5.5. Research Interests : Robotics and Automation, Virtual Instrumentation, Process Control
5.6. Ph.D students : Nil
a) Enrolled : Nil
b) Submitted : Nil
c) Awarded : Nil

### 5.7. Papers published in reviewed journals:

| S.No | Title of the Paper | Journal Name Vol.No. PP | $\begin{aligned} & \text { ISBN/ISSN } \\ & \text { No. } \end{aligned}$ | Citation Index | National/ International |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Adaptive Control Based Electric Furnace Temperature Control Using Simulink | Turkish Online Journal of Qualitative Inquiry (TOJQI) | 1309-6591 |  |  |
| 2 | Analysis and Implementation of DCS System in Bottle Filling Plant Using MATLAB | Journal of Engineering Sciences | 0022-1945. |  | International |
| 3 | Analysis of Locomotion Robot in Non-Linear Surface using Intelligent Controller | Journal of Interdisciplinary Cycle Research | 0022-1945 |  | International |
| 4 | Performance analysis of DCDC converter for robotic system | International Journal of Electrical, Electronics and Data Communication |  |  |  |
| 5 | Design of MIMO ball and beam system using PID controller in Automation | Journal of Emerging Technologies and Innovative Research, Volume 5, Issue 11, pp.217-230, November 2018 | $\begin{gathered} \text { ISSN } \\ 2349- \\ 5162 \end{gathered}$ |  | International |
| 6 | Analysis of tunable Fabry-Perot filter in micro electronics using squeezed-film damping method | Asian Journal of Research in social sciences and humanities, Volume 6, issue 09, pp 12961312, September 2016 | $\begin{gathered} \text { ISSN } \\ 2249- \\ 7315 \end{gathered}$ |  | International |
| 7 | Analysis of Virtual Robot <br> Movements for <br> Performance <br> Improvements in <br> Personal Communication | Wireless Personal Communication, Springer. Volume 90, Number 02, pp 595608, November 2015, | ISSN: $0929-$ 6212 (Print) 1572- 834 X (Online) |  | International |
| 8 | Improving the Leg Movement in Locomotion | International Journal of Advanced | $\begin{gathered} \text { ISSN } \\ 0973- \end{gathered}$ |  | International |


|  | Hexapod Robot for Industrial Automation | Engineering Research. Volume 10, Number 20 (2015) pp 41377- 41387 | 4562 (Print), ISSN $1087-$ 1090 (Online) |  |
| :---: | :---: | :---: | :---: | :---: |
| 9 | Analysis of Locomotion Versatile Hexapod Robot System For Industrial Automation | International Journal of Engineering Research in Electronics and Communication Engineering, Vol 2, Issue 12, December 2015, pp-19-22 | $\begin{aligned} & \text { ISSN : } \\ & 2394- \\ & 6849 \end{aligned}$ | International |
| 10. | A Novel dSPACE Based Identification and Control of DC-DC Boost Converter for open loop response using Neuro Controller | CIIT International Journal of Artificial Intelligent Systems and Machine <br> Learning,Vol.3, No.4, April 2011, pp. 242246 | $\begin{aligned} & \text { ISSN } \\ & \text { Number } \\ & 0974- \\ & 9667 . \end{aligned}$ | International |
| 11. | Fuzzy Logic based Robot movement control in Industrial Automation', CIIT International Journal of Fuzzy Systems | CIIT International Journal of Fuzzy Systems, Vol.4, No.7, July 2012, pp.264267 | ISSN Number $0974-$ 9721 | International |
| 12. | Performance Analysis of Six Leg Locomotion Robot Movement Control', | International Journal of Emerging Technology and Advanced <br> Engineering, Volume <br> 3, Issue 2, Feb 2013, pp. 522-526 | $\begin{aligned} & \text { ISSN } \\ & \text { Number } \\ & 2250- \\ & 2459 . \end{aligned}$ | International |
| 13. | Analysis of SqueezedFilm Damping in Tunable Fabry-Perot Filter | International Journal of Research in Electronics and Computer Engineering, Vol. 2 Issue 4 Oct-Dec, 2014. Pp.104-108 | ISSN: $2393-$ 9028 (PRINT) \| ISSN: $2348-$ 2281 (ONLINE). | International |
| 14. | Design of MIMO ball and beam system using PID controller in Automation | Journal of Emerging Technologies and Innovative Research, Volume 5, Issue 11, pp.217-230, November 2018, | $\begin{gathered} \text { ISSN } \\ 2349- \\ 5162 \end{gathered}$ | International |
| 15. | PERFORMANCE ANALYSIS OF DC-DC CONVERTER FOR ROBOTIC SYSTEM | Journal of Interdisciplinary Cycle Research, Volume 12, Issue 07, | $\begin{gathered} \text { ISSN NO: } \\ 0022- \\ 1945 \end{gathered}$ | International |


|  |  | $\begin{gathered} \hline \text { pp. 494-502, July } \\ 2020 \end{gathered}$ |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 16. | Analysis of Locomotion Robot in Non Linear Surface using Intelligent Controller | International Journal of Electrical, <br> Electronics and Data Communication, Volume-8, Issue-2, pp.22-25 Feb.-2020, | $\begin{gathered} \hline \text { ISSN(p): } \\ 2320- \\ 2084, \\ \text { ISSN(e): } \\ 2321- \\ 2950 \\ \hline \end{gathered}$ | International |
| 17. | Analysis and <br> Implementation of DCS System in Bottle Filling Plant Using MATLAB | Journal of Engineering Sciences (JES), Vol 11, Issue 7, pp.617622, July 2020, | $\begin{aligned} & \text { ISSN NO: } \\ & 0377- \\ & 9254 . \end{aligned}$ | International |

5.8. Papers presented at National / International Conferences :

| S.No | Title of the Paper | Names of the Conference/ Seminars | National/ International | Period |
| :---: | :---: | :---: | :---: | :---: |
| 1 | Design and Analysis Of Water Surface Cleaning Robot Using DTMF Technology | International Conference on Artificial intelligence and machine learning enabled 5 g networks: <br> Recent advances and challenges (ICAMW-2021)" | International | $\begin{gathered} \text { 16th \& } \\ \text { 17th } \\ \text { December } \\ 2021 \end{gathered}$ |
| 2 | Analysis of DCS implementation in DC-DC Boost Converter for a Robotic System | IEEE International conference on "Smart Systems and Inventive Technology" [ICSSIT 2020] | International |  <br> 21th Aug 2020. |
| 3 | Performance analysis of DCDC converter for robotic system | International Conference on Smart technology, Electrical and Electronics Engineering (ICSEEE '2019) | International | $\begin{aligned} & \text { 24th Nov } \\ & 2019 . \end{aligned}$ |
| 4 | Analysis of Increasing Energy Conversion Efficiency of Solar Cells Using Quantum Dots | International Conference on Modelling, Simulation and Control (ICMSC '2015) held at Karpagam College of Engineering, Coimbatore, Tamilnadu | International | 15th \& 16th Oct 2015 |
| 5 | Improved Security in Smart Cards Using Palm Vein Biometric Crypto System | International Conference on Modelling, Simulation and Control (ICMSC '2015) held at Karpagam College of Engineering, Coimbatore | International | $\begin{array}{\|l\|} \text { 15th \& } \\ \text { 16th Oct } \\ 2015 \end{array}$ |
| 6 | Simulation analysis of torsional vibration analysis and control in an engine using LabVIEW. | International Conference on Electrical, Electronics and Computer Engineering , Tiruchengode, Tamilnadu, | International | $\begin{array}{\|l} \hline \text { 11th \& } \\ \text { 12th } \\ \text { March } \\ 2015 . \\ \hline \end{array}$ |
| 7 | Performance Analysis Of Multitank Monitoring And | International Conference on Electrical, Electronics and | International | $\begin{aligned} & \hline \text { 11th \& } \\ & \text { 12th } \end{aligned}$ |


|  | Control System For AgriManagement System Using Labview | Computer Engineering , Tiruchengode, Tamilnadu, |  | $\begin{aligned} & \hline \text { March } \\ & 2015 . \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 8 | Analysis of Locomotion Versatile Hexapod Robot System using Neuro Controller | International Conference on Electronics and Power Engineering held at Dubai, UAE | International | 17th \& 18th January 2015. |
| 9 | Analysis of Hexapod Robot Movement Control in Various Parameters | International Conference on Interdisciplinary Research and Development held at IMPACT Exibition Center, Muang Thong Thani, Bangkok Metro, Thailand | International | $\begin{aligned} & \text { May 31st } \\ & 2012 . \end{aligned}$ |
| 10 | Design and Analysis of Robot Movement Control Using Intelligent Controller | International Conference on <br> Computing and Control <br> Engineering, Dr.M.G.R <br> Educational and Research <br> Institute University, Chennai | International | $\begin{aligned} & \text { 12th \& } \\ & \text { 13th April } \\ & \text { 2012. } \end{aligned}$ |
| 11 | Performance and Analysis of MIMO Ball and Beam System using Intelligent Controller | International Conference on <br> Emerging Trends in <br> Technology (ICWET 2012) <br> held at Thakur College of <br> Engineering and Technology, Mumbai, | International | February <br>  <br> 25th 2012 |
| 12 | Performance Analysis of DCDC Boost Converter using Intelligent Controller | International Conference on International Conference on Computer and Automation Engineering (ICCAE 2012) held at Mumbai | International | January <br> 14th - <br> 15th, <br> 2012. |
| 13 | Design of fuzzy controller for MIMO Ball and Beam system using LabVIEW | International Conference on Control Instrumentation System Conference (CISCON 2011), Manipal, Karnataka | International | November 03rd 06th ,2011 |
| 14 | A Novel dSPACE based Identification and control of DC-DC Boost Converter Using Neural Networks | International Conference on Smart Technologies for Materials, Communication, Controls, Computing and Energy, (ICST 2011) held at VelTech Dr.RR \& Dr. SR Technical University, Chennai,Tamilnadu, | International | January <br> 05th -07th <br> , 2011 |
| 15 | Hybrid railway power conditioner with harmonic compensation for highspeed railway | National Conference on "Innovative technologies in Electronics and Computer Networking" NCITECN '17, Kumbakonam | National | $\begin{aligned} & \text { 04th April } \\ & 2017 . \end{aligned}$ |
| 16 | Enhancing the performance of high speed adder circuits by using 180 nm CMOS technology | National Conference on "Innovative technologies in Electronics and Computer Networking" NCITECN '17, Kumbakonam | National | $\begin{aligned} & \text { 04th April } \\ & \text { 2017. } \end{aligned}$ |


| 17 | Continuous non invasive <br> technique for measuring <br> blood pressure using <br> impedance plethysmography | National Conference on <br> "Innovative technologies in <br> Electronics and Computer <br> Networking" NCITECN '17, <br> Kumbakonam | National | 04th April <br> 2017. |
| :--- | :--- | :--- | :--- | :--- |
| 18 | Investigation of Drone <br> movement using hand <br> gesture in Surveillance | National Conference on <br> "Innovative technologies in <br> Electronics and Computer <br> Networking" NCITECN '17, <br> Kumbakonam | National | 04th April <br> 2017. |
| 19 | Analysis of Brain Controlled <br> Artificial Legs For <br> Handicapped Peoples | National Conference on <br> "Trends in Engineering | Applications and <br> Management" NCTEAM '15, <br> Erode | National |


|  | Technologies in Mechanical <br> Engineering (ITME 2013) |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| 27 | Design of Air pollution <br> Monitoring system using <br> Wireless Sensor Network | National Conference on <br> Emerging Technologies <br> (MKCE-CONFLUENCE'13), <br> Karur | National | Multitank Monitoring and <br> Control System for <br> Automated Agri-Management <br> System |
| 29 | National Conference on <br> Recent Trends in <br> Communication, <br> Computation and VLSI, <br> TIRUPUR |  |  |  |
| Applications of Hexapod <br> Robot for Industrial <br> Automation | National Conference on <br> Recent Trends in <br> Communication, <br> Computation and VLSI, <br> TIRUPUR | National | National | February <br> 2013. |
| 30 | Enrichment of Palmprint <br> Identification Rate Using <br> Multispectral Palmprint <br> Images | National Conference on <br> Recent Trends in <br> Communication, <br> Computation and VLSI, <br> TIRUPUR | Nebruary |  |
| 2013. |  |  |  |  |

### 5.9. Sponsored research Projects:

| S.No | Title | Agency | Period | Grant amount | Ongoing / <br> Completed |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | - | - | - | - | - |

### 5.10 Consultancy Projects:

| S.No | Title | Agency | Period | Sanctioned <br> Amount | Ongoing / <br> Completed |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | - | - | - | - | - |

6. Awards / Honors received:
> Received Best Educator award from International Institute of Organized Research (I2OR)

## 7. Motto:

To improve research activities, leadership quality and become a role model for others.

