26,Thirumal nagar,

Gobichettipalayam(P.O),

Erode (DT)-638452,

MOBILE: 9952670221.

Dr.J.JAGANPRADEEP.B.E.,M.Tech.,Ph.D**.,**

***OBJECTIVE:***

To pursue a career in teaching in order to strive hard to lead the community to scale new heights.

***ACADEMIC PERFORMANCE:***

| *COURSE* | *INSTITUTION* | *UNIVERSITY/ BOARD* | *YEAR OF PASSING* | *% OF MARKS* |
| --- | --- | --- | --- | --- |
| Ph.D-ECE (MEDICAL IMAGE PROCESSING) | SHRI VENKATESHWARA UNIVERSITY,UP | SHRI VENKATESHWARA UNIVERSITY,UP | 2024  (Part Time) |  |
| M. TECH.  (COMMUNICATION SYSTEM ) | SRM ENGINEERING COLLEGE | SRM UNIVERSITY | JUNE 2005 | 8.13  FIRST CLASS WITH DISTINCTION |
| B.E.(E.C.E.) | GOVT COLLEGE OF ENGINEERING,BARGUR | UNIVERSITY OF MADRAS | MAY 2003 | 59  SECOND CLASS |
| H.S.C | A.NAGOOR R.K.R HR SEC SCHOOL,UDUMALPET | BOARD OF HR. SEC.EDUCATION TAMILNADU | MAR 1997 | 73.5 |
| S.S.L.C. | GOVT BOYS HR SEC SCHOOL,SATHY | BOARD OF SEC. EDUCATION,  TAMILNADU. | MAR.1995 | 74.4 |

***EXPERIENCE DETAILS:***

* Working as a Dean Students Affirs in S.S.M College of Engineering,Komarapalayam from 1.12.2024.
* Working as a Professor from 13.05.2024.
* Working as AssociateProfessor and HOD incharge in S.S.M college of Engineering, Komarapalayam from 2015.
* Working as a Assistant Professor in S.S.M college of Engineering, Komarapalayam from 2005 to 2015

***ACHIEVEMENTS:***

* Act as one of the **chief patron** in Dhruva Space's Thybolt Mission **satellite launch**.

(<https://www.dhruvaspace.com/dhruva-space-thybolt-mission-ham-radio-operators>).

* PUBLISHED **TEXT BOOK** ON “**OPTICAL COMMUNICATION**”
* RECEIVED GRANT **Rs.25,000** FROM **CSIR** FOR CONDUCTING SYMBOSIUM
* RECEIVED GRANT **Rs.2,85,000** FROM **AICTE** FOR STAFF DEVELOPMENT PROGRAM

***OTHER PORTFOLIO:***

* Station Manager for SSM community radio from June 2017
* Working as a placement officer from 2018 onwards
* Working as Production Manager for SSM community radio from Feb 2012
* Department Coordinator –FROM 2008
* NBA DEPARTMENT COORDINARTOR
* NBA COLLEGE COORDINATOR
* NAAC COLLEGE CRITERIA 2 COORDINATOR,& IQAC
* Affiliation and approval process incharge

***Ph.D THESIS DETAILS:***

*TITLE: A STRIDE TOWARDS DEVELOPING AN ENCODER FOR MEDICAL IMAGE COMPRESSION USING DETECTION AND EXTRACTION TECHNIQUES*

***AREA OF INTEREST:***

* IMAGE PROCESSING
* COMMUNICATION SYSTEMS
* NETWORKING

***SUBJECTS HANDLED:***

* CONTROL SYSTEM ENGINEERING
* WIRELESS NETWORKS
* COGNITIVE RADIO
* SATELLITE COMMUNICATION
* CRYPTOGRAPHY AND NETWORK SECURITY
* HIGH SPEED NETWORKS
* COMPUTER NETWORKS
* OPTICAL COMMUNICATION
* BIO MEDICAL INSTRUMENTATION
* DIGITAL COMMUNICATION
* ANTENNAS AND WAVE PROPAGATION
* DIGITAL COMMUNICATION
* COMMUNICATION THEORY
* ADVANCED DIGITAL SIGNAL PROCESSING
* WIRELESS COMMUNICATION
* CRYPTOGRAPHY AND NETWORKSECURITY
* OPTO ELCTRONICS
* DIGITAL IMAGE PROCESSING

**Publications in International Journal:**

| S.No | Title of the Paper | JOURNAL NAME | ISSN |
| --- | --- | --- | --- |
|  | EVOLUTIONARY AGENTS WITH QUANTUM BASED NANO-ELECTRONIC CIRCUIT DESIGN FOR ELECTRONIC-PHOTONIC INTEGRATED CIRCUITS | ICTACT JOURNAL ON MICROELECTRONICS, JULY 2024(UGC CARE) | ISSN: 2395-1680 (ONLINE) VOLUME: 10, ISSUE: 02  DOI: 10.21917/ijme.2024.0306 |
|  | Source Code Analysis on Asterisk VOIP IP PBX: An Open-Source Communication Toolkit | [Tuijin Jishu/Journal of Propulsion Technology](https://propulsiontechjournal.com/index.php/journal/index) **(SCOPUS)** | [Vol. 44 No. 4 (2023)](https://propulsiontechjournal.com/index.php/journal/issue/view/16) |
|  | A Deployment Perspective Analysis of a Novel  Sensor Networked system for Managing Power  Demand | NeuroQuantology  **(SCOPUS)** | NeuroQuantology| November 2022 | Volume 20 | Issue 19 |Page 3271-3277| doi: 10.48047/nq.2022.20.19.NQ99288 |
|  | IOT BASED AGRICULTURE DATA ANALYTICS: A COMPREHENSIVE ANALYSIS | Advanced Engineering Science  **(SCOPUS)** | ISSN: 2096-3246  Volume 54, Issue 02, December, 2022 |
|  | PREDICTION OF MICRO PLASMA IMPACTS IN ORGANIC VEGETABLES USING  DEEP LEARNING | ICTACT JOURNAL ON IMAGE AND VIDEO PROCESSING, MAY 2023, VOLUME: 13, ISSUE: 04  (UGC CARE) | ISSN: 0976-9102 (ONLINE)  DOI: 10.21917/ijivp.2023.0423 |
|  | A STRIDE TOWARDS DEVELOPING AN EFFICIENT ENCODER FOR MEDICAL  IMAGE COMPRESSION BASED ON BMA AND FEATURE EXTRACTION | Journal of the Maharaja Sayajirao University of Baroda  (UGC CARE) | ISSN : 0025-0422  Volume-55, No.1(I) 2021 |
|  | OPTIMAL ENCODER FOR MEDICAL IMAGE COMPRESSION USING ORTHOGONAL  DUAL RIPPLET-II TRANSFORM AND DEEP LEARNING TECHNIQUE | Sambodhi  (UGC Care Journal) | ISSN: 2249-6661  Vol-44 No.-01 (IV) January-March (2021) |
|  | On-Chip Structure for Timing Uncertainity Measurement  Induced by Noise in  Integrated Circuits | Journal of VLSI Design and Signal Processing  (VPEER REVIEWED JOURNAL) | Volume 2  Issue 1 |

**PATENTS:**

| S.NO | TITLE OF THE PATENT | PATENT NUMBER | DATE |
| --- | --- | --- | --- |
|  | METHOD, UTILITY AND DEVICE BASED ON INTERENET OF THINGS FOR PANDEMIC DISEASE SURVEILLANCE AND PREDICTION | 202041050703 | 21.11.2020 |
|  | NERVE ACTIVATION DEVICE FOR PARALYSED PATIENYS | 423577001 | 18.07.2024 |

**NO. OF PAPERS PRESENTED IN THE CONFERENCES:**

| S.No | Title of the Paper | Organized By | Date |
| --- | --- | --- | --- |
|  | DESIGN AND IMPLEMENTATION OF EFFICIENT ENCODER FOR MEDICAL IMAGE COMPRESSION | INTERNATIONAL CONFERENCE -AL-AMEEN ENGINEERING COLLEGE | 07.05.2024 |
|  | INDOOR AIR QUALITY MONITORING SYSTEM | INTERNATIONAL CONFERENCE-PAAVAI ENGG COLLEGE | 17.03.2023 |
|  | SECURE AND EFFICIENT MODIFIED DYNAMIC ROUTING ALGORITHM FOR MOBILE AD HOC NETWORKS | IEEE INTERNATIONAL CONFERENCE -SRI KRISHNA COLLEGE OF ENGG &TECH | 04.03.2022 |
|  | OPTIMAL ENCODER FOR MEDICAL IMAGE COMPRESSION USING ORTHOGONAL DUAL RIPPLET II TRANSFORM AND DEEP LEARING TECHNIQUR | SRM TRP ENGG COLLEGE | 25.03.2021 |
|  | FREQUENT ITEMSET MINING USED PFP GROWTH VIA TRANSACTION SPLITTING | GLOBAL LEARNING CONFERENCE ON MOBILE COMPUTING ,AT AC TECH,ANNA UNIVERSITY,CHENNAI | 09.02.2017 |
|  | RFID GOVERNED PDS RATION DISTRIBUTION | GLOBAL LEARNING CONFERENCE ON MOBILE COMPUTING ,AT AC TECH,ANNA UNIVERSITY,CHENNAI | 10.02.2017 |
|  | SECURED EVENT -DRIVEN ADAPTIVE SYSTEM FOR HEALTHCARE IN INTERNET OF THINGS | MPMNJ ENGG COLLEGE | 28.03.2018 |
|  | SECURED LOW POWER ADAPTIVE SYSTEM FOR HEALTHCARE IN INTERNET OF THINGS | KNOWLEDGE INSTITUTE OF TECHNOLOGY | 10.03.2018 |
|  | AN OPTIMIZED MULTILEVEL INVERTER SYSTEM FOR REDUCING HARMONIC DISTORTION WITH SVPWM | ERODE SENGUNTHAR ENGINEERING | 22.03.2016 |
|  | AN OPTIMIZED MULTILEVEL INVERTER SYSTEM FOR REDUCING HARMONIC DISTORTION WITH SVPWM | KNOWLEDGE INSTITUTE OF TECHNOLOGY | 12.03.2016 |
|  | ON-CHIP STRUCTURE FOR TIMING UNCERTAINTY MEASUREMENT  INDUCED BY NOISE IN INTEGRATED CIRCUITS | KNOWLEDGE INSTITUTE OF TECHNOLOGY | 07.03.2015 |
|  | COMPRESSION OF MEDICAL IMAGES WITH TEXTURE INFORMATION AND ITS SCOPE BEYOND | SSM COLLEGE OF ENGINNERING | 18.04.2013 |
|  | A MULTIBANK MEMORY-BASED VLSI ARCHITURE OF DVB SYMBOL DEINTERLEAVER | SSM COLLEGE OF ENGINNERING | 18.04.2013 |
|  | RETINAL IMAGE ANALYSIS FOR GLAUCOMATOUS CLASSIFICATION AND EXUDATES DETECTION | NANDHA ENGINEERING COLLEGE | 02.03.2013 |
|  | INTELLIGENT COMPRESSION OF BIOMEDICAL IMAGES WITH SEGMENTATION | SSM COLLEGE OF ENGINNERING | 22.02.2012 |
|  | INTELLIGENT COMPRESSION OF MEDICAL IMAGES WITH SEGMENTATION | MAHARAJA ENGINEERING COLLEGE | 18.02.2012 |
|  | HIGHLY SECURED WIRELESS COMMUNICATION | SSM COLLEGE OF ENGINNERING | 09.04.2010 |

**Seminar / Workshop participated:**

| S.NO | TITLE OF THE WORKSHOP | NAME OF THE ORGANIZATION | DATE |
| --- | --- | --- | --- |
|  | CURRICULUM DESIGN AND INNOVATIONS FOR AUTONOMOUS INSTITUTIONS | AASSAAN EDU CARE | 28.02.2024 |
|  | EXPLORING OUTCOME BASED EDUCATION AND NBA PROCESS | KIOT | 07.05.2020  TO  13.05.2020 |
|  | NAAC SPONSORED NATIONAL LEVEL TWO DAYS WORKSHOP | ADHIYAMAAN COLLEGE OF ENGINEERING | 02.12.2020  TO 03.12.2020 |
|  | PRINCIPLES OF DIGITAL SIGNAL PROCESSING | MPMNJ ENGG COLLEGE | 23.05.2016  TO  29.05.2016 |
|  | TRANSLATION ENGINEERING IN MEDICINE:A BRIDGE TO IMPROVE THE QUALITY OF HEALTHCARE | KSR COLLEGE OF TECHNOLOGY | 15.04.2016  &  16.04.2016 |
|  | WORKSHOP ON INTRODUCTION TO DESIGN OF ALGORITHMS | MHRD& IIT, KHARAGPUR | 25.05.2015  TO  29.05.2015 |
|  | WORKSHOP ON CONTROL SYSTEMS | IIT, KHARAGPUR | 02.12.2014  TO  12.12.2014 |
|  | REGIONAL COMMUNITY RADIO SAMMELAN | MINISTRY OF INFORMATION AND BROADCASTING, GOVERNMENT OF INDIA  &  ONEWORLD FOUNDATION INDIA | 28.08.2014  TO  30.08.2014 |
|  | ISTE WORKSHOP ON CYBER SECURITY | IIT , BOMBAY | 10.07.2014  TO  20.07.2014 |
|  | WORKSHOP ON SIGNALS AND SYSTEMS | IIT, KHARAGPUR | 02.01.2014  TO  12.01.2014 |
|  | FPGA SYSTEM DESIGN USING EDA TOOLS | COREEL TECHNOLOGIES | 17.12.2013  &  18.12.2013 |
|  | ART OF JOURNAL ARTICLE AND THESIS WRITING | ERODE SENGUNTHAR ENGINEERING COLLEGE | 12.08.2013 |
|  | ISTE WORKSHOP ON AAKASH FOR EDUCATION | ISTE & IIT BOMBAY | 10.12.2012  &  11.12.2012 |
|  | HANDS ON WORKSHOP ON DEVELOPING MOBILE APPLICATIONS IN ANDROID PLATFORM | SSM COLLEGE OF ENGINEERING & SPARC | 19.10.2012  &  20.10.2012 |
|  | HANDS ON TRAINING IN MATLAB | SNS COLLEGE OF TECHNOLOGY | 08.09.2011  &  09.09.2011 |
|  | RESEARCH METHODOLOGY | SSM COLLEGE OF ENGINEERING | 20.07.2011 |
|  | PATTERN RECOGNITION FOR MEDICINE | KSR COLLEGE OF TECHNOLOGY | 20.06.2011  TO  01.07.2011 |
|  | SCIENCE BROADCASTING | IIMC,NEWDELHI | 02.05.2011  TO  08.05.2011 |
|  | DRDO SPONSORED `MOBILE CELLULAR NETWORKS` | KONGU ENGINEERING COLLEGE | 06.01.2011  TO  08.01.2011 |
|  | AICTE SPONSORED SDP ON EMBEDDED SYSTEM | SSM COLLEGE OF ENGINEERING | 08.06.2009  TO  20.06.2009 |
|  | ENTREPRENEURSHIP AWARENESS WORKSHOP | SSM COLLEGE OF ENGINEERING | 28.10.2008  &  29.10.2008 |
|  | WIRELESS NETWORKS | SRM INSTUTE OF SCIENCE AND TECHNOLOGY | 02.12.2008  &  03.12.2008 |
|  | ADVANCED NETWORKING& SECURITY ISSUES | KUMARAGURU COLLEGE OF TECHNOLOGY | 10.03.2007 |
|  | ANNA UNIVERSITY SPONSORED FDP ON DIGITAL SIGNAL PROCESSING | SSM COLLEGE OF ENGINEERING | 22.05.2006  TO  03.06.2006 |
|  | WORKSHOP ON MATLAB | CRANES SOFTWARE INTERNATIONAL LTD., BANGALORE. | 15.12.2006 |
|  | ANNA UNIVERSITY SPONSORED FDP ON DIGITAL COMMUNICATION | KUMARAGURU COLLEGE OF TECHNOLOGY | 14.11.2005  TO  26.11.2005 |

**Conferences organized**

National: 11

| S.No | Title of the Program | Role | Date |
| --- | --- | --- | --- |
|  | NATIONAL CONFERENCE ON COMMUNICATION AND SIGNAL PROCESSING | COORDINATOR | 21.03.2009 |
|  | SECOND NATIONAL CONFERENCE ON COMMUNICATION AND SIGNAL PROCESSING | COORDINATOR | 12.03.2010 |
|  | THIRD NATIONAL CONFERENCE ON COMMUNICATION AND SIGNAL PROCESSING | COORDINATOR | 2011 |
|  | INTERNATIONAL CONFERENCE ON COMPUTER, COMMUNICATION, AND SIGNAL PROCESSING | COORDINATOR | 21.09.2011-23.09.2011 |
|  | FOURTH NATIONAL CONFERENCE ON COMMUNICATION AND SIGNAL PROCESSING | COORDINATOR | 22.02.2012 |
|  | HAM TECH 2013 | COORDINATOR | 2013 |
|  | NATIONAL CONFERENCE ON COMMUNICATION AND SIGNAL PROCESSING | COORDINATOR | 05.04.2013 |
|  | NATIONAL CONFERENCE ON COMMUNICATION AND SIGNAL PROCESSING | CONVENOR | 2015 |
|  | NATIONAL CONFERENCE ON COMMUNICATION AND SIGNAL PROCESSING | CO CONVENOR | 2016 |
|  | NATIONAL CONFERENCE ON COMMUNICATION AND SIGNAL PROCESSING | CO CONVENOR | 2017 |
|  | NATIONAL CONFERENCE ON COMMUNICATION AND SIGNAL PROCESSING | CO CONVENOR | 2018 |

**International: 01**

| S.NO | TITLE OF THE PROGRAM | ROLE | DATE |
| --- | --- | --- | --- |
|  | INTERNATIONAL CONFERENCE ON COMPUTER, COMMUNICATION, AND SIGNAL PROCESSING | COORDINATOR | 21.09.2011-23.09.2011 |

**No. of Seminar/Workshop organized**

| S.No | Title of the Program | Program Level | Role | Date |
| --- | --- | --- | --- | --- |
|  | FACULTY DEVELOPMENT PROGRAMME ON DIGITAL SIGNAL PROCESSING | STATE | ORGANIZING COMMITTEE | 22.05.2006-03.06.2006 |
|  | WORKSHOP ON TV AND VCD SERVICING | STATE | ORGANIZING COMMITTEE | 26.12.2006-30.12.2006 |
|  | STAFF DEVELOPMENT PROGRAMME ON EMBEDDED SYSTEMS | INSTITUTION | COORDINATOR | 08.06.2009-20.06.2009 |
|  | WORKSHOP ON DEVELOPING MOBILE APPLICATIONS IN ANDROID PLATFORM | INSTITUTION | ORGANIZING COMMITTEE | 19.10.2012&20.10.2012 |
|  | SCIENCE AND SPACE EXPO IN COLLABORATION WITH INDIAN SPACE RESEARCH ORGANISATION | STATE | ORGANIZING COMMITTEE | 05.09.2013-07.09.2013 |
|  | WORKSHOP ON FPGA SYSTEM DESIGN USING EDA TOOLS | INSTITUTION | ORGANIZING COMMITTEE | 17.12.2013&18.12.2013 |
|  | SCIENCE AND SPACE EXPO IN COLLABORATION WITH INDIAN SPACE RESEARCH ORGANISATION | STATE | ORGANIZING COMMITTEE | 11.08.2014-13.08.2014 |
|  | SCIENCE EXPO | STATE | COORDINATOR | 08.02.2018-09.02.2018 |

**Membership in Professional Bodies:**

* LIFE MEMBER OF ISTE

**Prizes, Medals and other Honors Received :**

* ACHIEVED **100%** RESULTS IN **MANY** SUBJECTS
* RECEIVED **FACULTY SPECIAL AWARD** AT ANNAUL DAY CELEBRATIONS 2014
* RECEIVED **CERTIFICATE OF CONFIRMATION** FROM **STRAITS ACADEMY MALAYSIA**, MALAYSIA FOR CONTRIBUTING TOWARDS SUCCESSFUL COMPLETION OF 1ST AWARDS CEREMONY OF OPEN UNIVERSITY MALAYSIA ON 22.12.2011.

***PROJECTS GUIDED:***

* Guided 46 UG and 20 PG projects mainly in the field of Image processing, Network Security, Wireless networks

***COMPUTER SKILLS:***

Languages : C, C++, Java

Operating Systems : DOS and Windows 98 / XP

Markup Languages : HTML, XML

Packages : MS Office

***PERSONAL DETAILS:***

* Date of Birth : 11-06-1980
* Sex : Male
* Nationality : Indian
* Marital Status : married
* Languages known : English, Tamil
* E-mail Id : jgnprdp@gmail.com
* Salary Drawn : Rs.71,000 pm
* Expected Salary : Rs.90,000 pm

I hereby declare that the details are true, correct and complete to the best of my knowledge and belief.

Yours sincerely,

Place: Gobichettipalayam

Date : J.JAGANPRADEEP