

Profile Raju L Kanchibhotla

Name: Raju L Kanchibhotla
Subject: Physics, Date of Birth: 09-09-1956
Family: Wife: K Satyananda Vani
Children: Harini , Kapil Srivatsa
Grand Son: Arjun
Qualification: M.Sc Physics 1977 Osmania University
Pre Ph.D in Image Processing OU 1984
25 Publications on Image Processing & Spatial Filtering.
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Experience:

2022-2024 Working on 3 D prototyping and IOT systems to bring automation in MSME units
2020-2024 Working on Phytoremediation methods with license from CSIR-IICT for cleaning lakes to restore lakes and cleaned Kudikunta Lake, and Turka Cheruvu installing Check dams and AAC units for Phytoremediation, and installing Underwater Solar Powered Bubble aerators and Sonication methods.
2015-2024 Worked in association with CSIR-IICT to Convert Water Hyacinth from lakes to an useful Soil Conditioner using the Technology Accelerated Anaerobic Composting (AAC) developed and made 300 Tons reach 5000 farmers making fruitful farming. Installed AAC units at all market yards and at Gated Communities to make Fermented Organic Manure (FOM) with the green waste generated around. Started making small Bio Gas Plants with inputs to 250 Kg/ Day with the AGR technology of IICT to convert Food – Green waste to Bio GAS and Liquid FOM
2010-2015 Made Energy Optimized retrofit LED Lights for Industries and agriculture including lights to enhance Photo synthesis
2010-2013 Involved in Rural Electrification with Integrated wind & Solar energy in Industries and Forest areas
2007-2012 Involved with Hydus technologies in capacity Building
2005-2007 Involved in making Rural banking automation
2003-2005 Involved in Giving ID cards to Rural India
2000-2004 Involved in developing Different IT Products for India
1977-2000 Taught Physics and Computer Science from School to Graduation level at Nrupalunga Institutions and as Principal between 88-2000

- Technical
Director Logic Designers
Consultant Sunitha Info Vision
Director Prisma Information Systems, DeenDayal camera & Co.
Consultant Bio Visual Products Mfrs. Of Teaching Aids , Silicon Electronics, Consultant Richiman Silks Feb.1998 to Sep.2001, Technical Consultant CVD International Jan.98 to Sep.99,
Vice President Innosoft Jan-98 to March 99
Tech. Director Online Media Solutions Ltd. Jun.99-oct.2000, Intensive Air Systems Ltd. From Dec.1999
Director Sysol Systems India P Ltd
Operations Hydus Technologies India

Affiliations: Member Optical Society of India, Association of Medical Physicists India, EWB (Engineers without Borders), President Vaignanik for Teaching Methodology, Vice President CEPCE India, Secretary ,Computer Society of India

Hobbies: Rural Development, Initiatives to go green & innovative teaching methods

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Mile stones in my life

- 2024- Installed around 46 AAC units in all Agriculture Market Yards to convert green waste to Soil Conditioners, and also in Gated Communities to reuse Bulk waste generated to Soil Conditioner
Working with Banana Pseudo Stems to make Liquid Fertilizer to supplement Potassium in soils
Working in 3D Prototyping to make precision parts for replacing non available parts to major assemblies, and working on IOT integration to MSME.
- 2022- Completed one Agri Waste to soil Conditioner unit at Suryapet Agri Market to convert Agri Bio waste to Soil Conditioner in a sustainable way
Started working on Cleaning lakes using Phytoremediation to restore and recycle water, Completed one lake Kudikunta, and now working on another lake Turka Cheruvu.
Initiated a Project to make Hydrophobic Masks to prevent the Pandemic extension with team IICT to get a Reusable Washable masks for common people.
Working on making Bio Gas from Waste and improving the efficiency of steam generation, and working to make a Battery Pack Management system for E Mobility.
- 2019- Working on a mini bio digester to convert 25 Kg of food waste to compressed biogas and liquid fertilizer for waste to wealth management in Urban gated communities.
- 2018- Involved in a project to convert Water Hyacinth to a good quality Soil Conditioner and adopted Kapra lake and in the process of making 200 M tones of Soil Conditioner.
Working on making Underwater Aerator's to improve the aquatic life of lakes
- 2017- Worked with Aroma Clean Energy to setup a Plant for making Lithium Ion batteries for Energy Storage purposes.
Developed a energy efficient Tomato drier for farmers at Madanapalli.
Associated with CSI SIG on Big data and IOT on projects to bring IOT to the use of common man and conducted workshops.
Involved in creating a SIG on ACE to reskill employees.
Working with IICT to make clean water using the membranes made by IICT.
- 2016- Involved in converting our assessment portal www.e-pariksha.com to a backend engine or all assessment needs to take care of CCE and CWP needs.
- 2015- Spent time in going round the rural areas of India, Tibet and China and visited Manasarovar, Involved in making retrofit light fittings to achieve an efficacy of 130 Lumen/watt.
- 2014: Involved in developing Lighting solutions with LED and integrating with renewable energy for Tropical needs.
- 2013: Involved in giving lighting a village Gesugandi located in between Srisailam and Nagarjunasagar Dams, with Solar home lighting and seen to iit the villagers stop drinking in the village
Installed Solar Home lighting for 120 families in a hamlet PeddaCheruvu a Village in Kurnool District a part of Nallamala Forest which is a Tiger Reserve Zone, with the assistance of EWB and Dupont.
Installed a Hybrid energy system at MARS international integrating Wind and Solar to fulfil the lighting needs of the Company front office.
Involved in developing LED lighting systems for Indian needs with special drivers and without Heat Sinks.
- 2011-12; Installed LED street lights at a Village Lingaya Palli hamlet with the assistance of Smt. Vijayashanti MP. Medak which will light 60 LED street lights consuming less than 1 KW for the entire village.
Installed LED Street lights at NATCO Residential quarters at Nagarjunasagar
Installed Integrated Solar Street Lights at MARS international Pragnapur, Medak.
Involved in developing a Human Resource Management system and implement it with Hydus technologies
Involved with Hyderabad Chapter of the Computer Society of India as the Chairman of the Chapter.
Associated with CEPCE as the Vice President to implement rural development programmes at Nallamala forest Range., especially in the villages of Sarlapalli and KudiChintalaPayalu.

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2008-10: Associated with Hydus Technologies P Ltd in a finishing school to make fresh graduates from the universities to useful IT Graduates with Knowledge of Platform associated with practical learning with related projects.

Churned out 60 fresh graduates to skilled IT professionals competing with IT professionals of 6-7 years of experience reduce the cost to the Company with skilled professionals.

Involved with Hyderabad Chapter of the Computer Society of India as the Vice Chairman, to rebuild the chapter and increase the student branches in the chapter.

2006-7: Developing e-learning Content for 8-12 classes, and conducting online examinations on our Knowledge assessment portal www.e-pariksha.com, with over 35000 registered candidates so far.

2006: Developed an application for Product delivery system for Vayhan Air systems on web automating the production process. Released a new version of our Pariksha CD.

2005: Developed a software for Federal Bank Ltd for remittance using the SWIFT protocol and a search engine for Bank of New York for remittance details for the Treasury Management system. in association with Sysol Tech PVT Ltd.

2004: Issuing the NSSN Photo identity cards for all EPF holders of MUMBAI to a tune of 2.8 Million subscribers Issuing MNIC cards for the population of Sivampet, Medak district, AP capturing the data, Photographs and Finger prints at the field.

2003: Issued .8 Million Electoral Photo Identity cards EPIC to the electorate of Guntur Dist, Andhra Pradesh.

2002: Developed a software s-mart the automation tool for all super market chains, with distributed outlets and warehouse. Developed an application for the Weavers of Gadwal to convert any design scanned or digitized to the matrix form for loading on to looms. Implemented s-mart at Cars Trust Apna Bazar, Hyderabad with 26 outlets and a warehouse. Implemented s-mart at Sivagami Super market chain, Hyderabad, with 4 outlets and a warehouse. Usha Supermarket, Kukatpally, Hyderabad, CSD canteen EME center, Secunderabad. , Raj Super market Rajahmandry.

Developed a software ICMS and installed it in two Government Junior colleges, which is a total enterprise solution for the professional management of any college.

Marketed our Time management solution Pariksha for EAMCET/KCET students.

2001 Automated the total work flow of Estate Management Center, DRDO, Hyderabad, linking all the departments to give an integrated office management system.

Developed a system to integrate all the departments of Rahul Automobiles, a leading dealer for all Bajaj Vehicles. Automated the total work flow of Saptagiri Enterprises, a dealer for all V-guard appliances.

Developed a Portal for Sri.BandaruDattatreya., Hon-ble Minister of State for Urban development and Poverty Alleviation. And now Minister of State for Railways.

Developed a program to give a sales accounting system for Furniture world, Hyderabad.

Automated the work flow of Vijayavani Communications, the authorised sales center for Tata Cellular services, Hyderabad.

Developed a Portal e-pariksha for EAMCET/KCET students to understand time management and relative ranking methods.

2000 Automated the Hire purchase program of Andhra Pradesh State Trading Corporation for there GHP,IHP and SIHP programs..

Developed the time management solutions for Pre Engg exams by name Examiner 2000 in collaboration with Intensive Air systems Ltd. Made a Web site of ISL India for their IT division.

Developed a portal you-2-me.com for Intensive air systems Ltd.

Developed a software for storing Radiology images for instant reference along with notes and annotations, for tele consulting, to Dr.Awasthi, Mumbai. Developed a Program Vyasa the Medical transcription Manager for Innosoft, Hyderabad. Developed an application to automate all the activities of a Petrol Bunk and installed it in 6 Petrol bunks.

1999 Developed a Multimedia walkthrough of Ramoji film City using structured multimedia.

Developed an application Voyager, the total enterprise solution for the administration of a C&F agent, and a Shipping line to Transfrieght Marine Services (P) Ltd.

Developed an application for the total automation of Sridevi Jewelers Vijayawada.

Developed an application for CVD international for the unique e-box for edutainment.

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Developed a multimedia Touch screen enabled marketing kiosk for Padmaja Electronics, and Mohan Marketing Hyderabad.

Created a structured Multimedia program on a CD ROM for DWACRA, and Hyderabad Institute of Fashion Technology. Developed an application for Choudary Legal consultants, for updating the work flow of the legal administration of the unit.

1998 Developed an application for Suprabhat Group of restaurants for billing and inventory management. Automated the administration of BIO-Visual products, Hyderabad a leading manufacturer of Charts for learning centers in India.

Developed an administrative toll for Srujana sales Corporation, a leading distributor of seeds and pesticides in Telengana area. Developed an application for automating the administration of Bluemoon Hotel for the boarding and lodging procedures.

Developed an application for handling all share transfer of Richemen Silks Ltd, Hyderabad. Developed an application for Autoland, California, USA for the automation of inventory and billing.

Developed an application on behalf of Innosoft to Andhra Pradesh Technology Services to transfer Voice mail from one system to other for transcription purposes.

Developed a CBT Computer Based Training program for Stentura the shorthand machine using Phoenix theory. Developed Multimedia Presentation for Rock dance learning, to a Professor in Hyderabad.

Automated the Payroll. And Library of Secunderabad Club, Hyderabad.

1997 Developed an application for Scorpion systems, UK for the automation of Ploy clinics.

Developed an application for Scorpion systems UK, for the healthcare of Cowherds.

Processed the Bank Reconciliation statements of five branches of State bank of India, Hyderabad regarding Bankers cheques, TDR, STDR and data transcription and balancing of accounts, and master progressive registers for about 30000 accounts.

Developed an Computerised interface for a Weigh Bridge for ITW signode.

Automated the billing and accounting system of Radiant Paging system, Hyderabad.

Generated Photo Identity Cards for MIC Electronics, &Kadevi Enterprises, Sita Electronics, Hyderabad, from Video Images.

1995-6 Generated Photo Identity Cards to a tune of Five hundred thousand for all voters a Vijayanagaram Dist, AP on behalf of Silicon Electronics & Instrumentation India Ltd. Automated the administration of DeenDayal Camera & Co, the authorised service agents for Canon, Minolta, Olympus & Ricoh cameras in Hyderabad & Bangalore. Developed an application for school & college management and implemented it at Nrupatunga School College, Hyderabad, Paramita School, Karimnagar and JVS study circle.

Processed 1000 Current Accounts of State Bank of India Begum Bazar Branch, Hyderabad for generating progressive registers.

1992-4 Automated the billing, inventory of Panchavati Super Market, Vidyanagar, Hyderabad.

Automated the hire purchase operations of Garnet Finance Company, Hyderabad.

Developed applications for spatial filtering for School of Optics, Hyderabad, and Published a technical Journal named Journal of Pure & Applied Physics.

Developed a database of 90000 farmers of Andhra Pradesh on behalf of Stayens & Co a dealer of Raleygh Pesticides and sent 300000 mailers per year to all the farmers.

1989-91 Created a database of Stars information of Astronomical objects like Twin Stars for producing graphical outputs to Nizamiah Observatory, Hyderabad.

Processed around 20000 share applications per day for Karvy Consultants to generate share certificates for about 18 months.

1986-89: Associated with Board of Intermediate in the development of Vocational courses in Computer sciences at the +2 level.

1984-86: Associated with CLASS project to take up computer education to schools in association with CMC.

1980-84 Worked with BODMAS to make Payroll Computing based on a Z 80 System using COBOL