

M S Dinesh, Hyderabad, India

CONTACT INFORMATION

Department of Electrical & Electronics Engg.
Bapatla Engineering College(Autonomous)
Andhra Pradesh, India
Mobile: +91-9014208365
E-mail: msdinesh.nitjsr@gmail.com
Area of Interest:
Industry and Teaching



CITIZENSHIP

Indian

TEACHING EXPERIENCE:

- Currently associated with **Bapatla Engineering College** as an Assistant Professor from 22/06/219 to Till date.
- Worked as an Assistant Professor with **Aditya Institute of Technology and Management** from 04/06/2018 to 13/06/2019.
- Worked as an Assistant Professor with **Gandhi Institute of Engineering & Technology** from 23/10/2017 to 09/05/2018.
- Worked as an Assistant Professor with **Visvesvaraya College of Engineering & Technology** from 02/08/2010 to 09/02/2011.

INDUSTRIAL EXPERIENCE:

- Worked as an Electrical Engineer with **ThyssenKrupp Industries India Ltd** (BSA Corporation Ltd) from 27/12/2011 to 30/12/2013 at Anrak Aluminium Ltd, Vizag.
- Worked as a Project Engineer (Solar Energy) with **Granzor Engineerings Pvt Ltd** from 23/02/2011 to 30/10/2011 at New Delhi.

ACADEMIC CAREER

Year of Passing	Name of Exam	Board/ University	Branch of Study	Marks/ CGPA	Class
2001	10th	A.P Board	General	76.83	1 st Class
2003	12th	Board of Intermediate	Science	84.20	1 st Class
2007	B.Tech	J.N.T.U	E.E.E	62.72	1 st Class
2010	M.Tech	NIT Jamshedpur	E.E.E	7.98	1 st Class
2019	Ph.D	NIT Jamshedpur	E.E.E	NA	Awarded

ORGANIZATIONAL EXPERIENCE **Bapatla Engineering College**

EXPERIENCE

- Preparing curriculum, lesson plans, and assignment topics
- Developing course content and gathering reference materials
- Conducting research and publishing it in academic journals
- Networking with other professionals at workshops and other literary events
- Visiting other colleges and universities as an external resource person or moderator
- Attending faculty meetings
- Encouraging a learning environment in the class
- Providing academic support to Assistant Professors and Trainee Teachers
- Analyzing teaching methods and suggesting improvement measures
- Providing academic counseling to students when needed
- Conducting recruitment programs, campus interviews, and internship facilities for students
- Assigning different assignment/project topics to students
- Supervising and assessing students work

ThyssenKrupp Industries India Ltd:

- Looking E&I activities of Boiler, ESP & Turbine at Anrak Aluminium Ltd, at Vizag.
- Erection and Commissioning of all auxiliaries, ADOR Panels, MTP Panels, VFD Panels, Generator Control & Relay Panels.
- Commissioning of all Control Valves, Motorized Valves, Gates, Dampers & Instruments.
- **Quality & Inspection of Cable trays and accessories**, supplier- INAR Profiles Pvt Ltd for the Project- Tanjung Bin 4, Malaysia.
- **Quality & Inspection of H. T. Load break insulator panel**, supplier- Panickker switch gears Pvt Ltd for the Project- O. P. Jindal Super Thermal Power Plant ($4 \times 600MW$), Tamnar, Chhattisgarh.

Granzor Engineerings Pvt. Ltd:

- Successfully implemented erection and commissioning of Solar Systems at Allahabad.
- Analyze equipment performance with respect to energy efficiency Prepare a plan for energy efficiency projects and present to management concerning financial attractive investment to reduce energy cost.
- Establish an improved data recording, collection and analysis system to keep track of energy consumption

M.TECH

- Thesis Title: *Control Strategies for three phase PWM Rectifier Using Space Vector Modulation*
- Organization: Dept. of Electrical Engineering, NIT Jamshedpur, India
- Year of Passing: 2010
- Supervisor: Dr.A.N.Thakur

PH.D.

- Thesis Title: *Automatic Generation Control of Power System using Intelligent Techniques*
- Organization: Dept. of Electrical Engineering, NIT Jamshedpur, India
- Supervisors: Dr. A.K.Singh

REVIEWER IN
REPUTED
INTERNATIONAL
JOURNALS

- Energy Systems (Springer)
- Journal of The Institution of Engineers (India): Series B (Springer)
- International Journal of Automation and Control (Inderscience)
- International Journal of Swarm Intelligence (Inderscience)
- Recent Advances in Electrical & Electronic Engineering (Scopus)
- Scientia Iranica (Scopus)

PUBLICATIONS

List of Journals Published

- Satya Dinesh Madasu, M.L.S.Sai Kumar, and Arun Kumar Singh, A Flower Pollination Algorithm Based Automatic Generation Control of Interconnected Power System, Ain Shams Engineering Journal, 2016, 9, pp. 1215-1224, ISSN: 2090-4479.
- Satya Dinesh Madasu, M.L.S.Sai Kumar, and Arun Kumar Singh, Comparable investigation of backtracking search algorithm in automatic generation control for two area reheat interconnected thermal power system. Applied Soft Computing Journal, 2017, 55, pp. 197-210, ISSN: 1568-4946.
- Satya Dinesh Madasu, M.L.S.Sai Kumar, and Arun Kumar Singh, A Strawberry Algorithm Based Automatic Generation Control of two area multi source Interconnected Power System, in International Journal of Mechanical Engineering and Robotics Research, 2018, 7, pp. 208-212, ISSN: 2278-0149.
- Yesubabu Kakitapalli, Janakiram Ampolu, Satya Dinesh Madasu, M.L.S.Sai Kumar, In Detail Review of Chronic Kidney Disease, in Kidney Diseases Journal, 2020, 6, pp. 85-91, ISSN: 2296-9381.

List of International Conference/Proceedings Presented

- Lal Deepak Kumar, Ajit Barisal, and Satya Dinesh Madasu. "AGC of a two area nonlinear power system using BOA optimized FOPID+ PI multistage controller." In 2019 Second International Conference on Advanced Computational and Communication Paradigms (ICACCP), pp. 1-6. IEEE, 2019, ISBN: 978-1-5386-7989-0.
- Satya Dinesh Madasu, M.L.S. Sai Kumar, and Arun Kumar Singh. "A Multi-objective Flower Pollination Algorithm-Based Frequency Controller in Power System." In Soft Computing in Data Analytics, pp. 257-266. Springer, Singapore, 2019, ISBN: 978-981-13-0513-9.

List of Book Chapters

- K Ramesh, Satya Dinesh Madasu, Idamakanti Kasireddy. "Real-Time Monitoring of Smart Meters Based on Blockchain Technology" In 2022 Optimal Planning of Smart Grid With Renewable Energy Resources, IGI Global, 2022, pp. 208-218, ISSN:9781668440124

List of Conference Presented

- Satya Dinesh Madasu, M.L.S.Sai Kumar, and Arun Kumar Singh, Automatic Generation Control of Interconnected Power System by using Strawberry Algorithm, Veer Surendra Sai University of Technology, Burla, Odisha, India, 19-20 October, 2019.
- Idamakanti Kasireddy, Satya Dinesh Madasu, Arun Kumar Singh, Transmission Line Loss Cost Allocation on the Basis of DE Algorithm, Recent Trends in Power Electronics & Drives, Aitam, Srikakulam, Andhra Pradesh, India, 22-23 January, 2016.
- Satya Dinesh Madasu, M Mani Sankar and Dr.A.K.Singh, A Dynamic Voltage Sag Compensator for Distribution System, (Presented) in *VSSUT, Burla, Odisha, India*, April. 11-12.2015.
- Satya Dinesh Madasu and Dr.A.K.Singh, Voltage Stability Analysis of Radial Distribution Networks, (Presented) in *The Institution of Engineers, Jamshedpur, India*, May. 28-29.2014.
- Satya Dinesh Madasu and Deepak Lal, Modelling and Analysis for Hybrid Power Generation (Wind+Solar+Diesel) in India, (Presented) in *The School of Electrical Engineering KIIT-University, Bhubaneswar, India*, Dec. 12th.2009.

WORKSHOPS ATTENDED

- Participated in short term course on "Emerging Trends and Future Challenges in Power System Operation and Control- (ETFCPSOC)", organized by Department of Electrical and Electronics Engineering, NIT Jamshedpur, Jharkhand, India, 20-24 June, 2016.
- Participated in short term course on "Gradient Based Numerical Optimization Algorithms", organized by Department of Mathematics, IIT Kharagpur, West Bengal, India, 7-11 Dec, 2015.
- Participated in one day workshop on "Practical Power Flow Controller Brings Benefits for Power Electronics to the Grid", organized by Department of Electrical and Electronics Engineering, NIT Jamshedpur, Jharkhand, India, 9 Nov, 2015.
- Participated in three days Training on "Labview Software", organized by Department of Electronics and Communication Engineering, NIT Jamshedpur, Jamshedpur on 12th to 14th Oct, 2015.
- Participated in one day workshop on "How to Publish a Technical Paper with IEEE", Jadavpur University, Kolkata on 8th Aug, 2014.
- Participated in short term course on "Advances in PID Control: Theory & Applications", organized by school of Electrical Science, IIT Bhubaneswar, Bhubaneswar on 11th &

12th July,2014.

- FELLOWSHIPS /RANKS
- Institute Scholarship in NIT Jamshedpur,(June, 2008 to July, 2010)
 - Institute Scholarship in NIT Jamshedpur,(Jan,2014 to October, 2017)
 - Name of Exam: GATE 2008,EEE,Score: 355

DETAILS OF NPTEL COURSES COMPLETED

S.No	Dates	Name of the Course	Grade	Host Institution
1	14/05/2019	Teaching And Learning in Engineering	ELITE	IISC Bangalore
1	29/09/2019	Teaching And Learning in Engineering 2	ELITE	IISC Bangalore

SOFTWARE TOOLS • C,C++,Photoshop,xfig & Latex.

DATE OF BIRTH 29th Nov, 1984
GENDER Male
MARITAL STATUS Married

MEMBERSHIP OF PROFESSIONAL BODIES

- The Institution of Engineers (India), Associate Member, ID-AM1702079.
- International Association of Engineers (Hong Kong), Member, ID- 140560.
- The Institute of Research Engineers and Doctors (USA), Student Member, ID-SM10100052346.

DECLARATION I hereby declare that, to the best of my knowledge and belief, the particular given above and the declaration made therein are true.

Place:
Date:

(M S Dinesh)