RESUME

Dr. Muralidhar Nayak Bhukya
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OBJECTIVE:

- ✓ Achieving a challenging position in an educational organization to render my knowledge, experience, and expertise in all aspects especially in proper molding of students in terms of teaching and research, the values and principles of life.

SUMMARY:

- ✓ Two years of teaching experience.
- ✓ Sanctioned an amount of Rs.9 Lakh from Department of Science & Technology under ICPS Program.
- ✓ Sanctioned an amount of Rs. 1.61 Cr from Department of Science & Technology under TSP Technology Intervention for Tribal Empowerment.
- ✓ Good interpersonal skills, commitment, result oriented, hard working with a quest and zeal to learn new technologies and undertake challenging tasks.
- ✓ Handled subjects for UG students.
- ✓ Reviewer for ELSEVIER, IEEE Access.
- ✓ Reviewer of various reputed International Conferences and Journals.
- ✓ Good technical skills that operate for the best outcome.
- ✓ Good communication skills and ability to work in team environment.

EDUCATION:

- ✓ Received PhD from Jawaharlal Nehru Technological University, Kakinada, Andhra Pradesh in the year 2019 (NIRF Ranking – 103, for the year 2019).
- ✓ M.Tech in Power Electronics from St. Mary's College of Engineering & Technology affiliated to Jawaharlal Nehru Technological University, Hyderabad in the year 2013.
- ✓ B.Tech in Electrical & Electronics Engineering from P.V.P Siddhartha Institute of Technology, Vijayawada, Andhra Pradesh in the Year 2008 Affiliated to J.N.T.U, Hyderabad.
- ✓ Intermediate (+2) education from Sri Vivekananda Jr. College, Vijayawada in the year 2002.(Board Of Intermediate Education Andhra Pradesh)
- ✓ S.S.C from P.V.S.R Public School at Vijayawada in the Year 2000. (Board Of Secondary School Education, Andhra Pradesh).

PROFESSIONAL EXPERIENCE:

- ✓ Worked as an Assistant Professor at Institute of Aeronautical Engineering, Hyderabad [Institutional NIRF Rank, 139] from June 2018 to January 2020. [Ratified by JNTUH as Assistant Professor, on 25-01- 2019].
- ✓ Working as a Assistant Professor at Central University of Haryana, Haryana from January 2020 to till date.

REWARDS:

- ✓ Received research Assistant from TEQIP during the period of pursuing Ph.D.
- ✓ Sanctioned an amount of Rs. 9 Lakh from Department of Science & Technology under ICPS Program.
- ✓ Sanctioned an amount of Rs. 1.61 Cr from Department of Science & Technology under TSP Technology Intervention for Tribal Empowerment

RESEARCH AREAS:

- ✓ Power Converters
- ✓ Renewable Energy Sources
- ✓ Special Machines
- ✓ Flexible AC Transmission System.

Journal Publications:

- ✓ Bhukya Muralidhar Nayak, Venkata Reddy Kota "A quick and effective MPPT scheme for solar power generation during dynamic weather and partial shaded conditions" Engineering Science and Technology, an International Journal (Elsevier), **Science Citation Index Expanded**, **Scopus,** Volume 22, Issue 3, Pages 869-884, 2019.

- ✓ Venkata Reddy Kota, Bhukya Muralidhar Nayak "A novel global MPP tracking scheme based on shading pattern identification using artificial neural network for photovoltaic power generation during partial shaded condition" IET Renewable Power Generation, **Science Citation Index Expanded**, Volume 13, Issue 10, Pages 1647-1659, 2019.

- ✓ Bhukya Muralidhar Nayak, Venkata Reddy Kota, Depuru Shobha Rani "A simple, efficient and novel standalone photovoltaic inverter configuration with reduced harmonic distortion", IEEE Access, **Science Citation Index Expanded**, Volume 7, Pages 43831-845, 2019.

- ✓ Bhukya Muralidhar Nayak, Venkata Reddy Kota "DCA-TR based MPP tracking scheme for photovoltaic power enhancement under dynamic weather conditions" Electrical Engineering (Springer), **Science Citation Index,** Volume 100, Issue 4, Pages 2383-96, 2018.

- ✓ Bhukya Muralidhar Nayak, Venkata Reddy Kota "A novel PandO_t- Neville's Interpolation mppt scheme for maximum PV system energy extraction" International Journal of Renewable Energy Development, **Emerging Source Citation Index**, **Scopus,** Volume 7, Issue 3, Pages 251-260, 2018.

- ✓ Venkata Reddy Kota, Bhukya Muralidhar Nayak "A novel linear tangents based P&O scheme for MPPT of a PV system" Renewable and Sustainable Energy Reviews (Elsevier), **Science Citation Index Expanded**, Volume 71, Pages 257-267, 2017.

International Conferences:

- ✓ Venkata Reddy Kota, Kommula Bappaya Naidu, Bhukya Muralidhar Nayak "A novel torque ripple minimization scheme for solar powered BLDC motor" IEEE Region 10 Annual International Conference, Proceedings/TENCON, 2017-December, Pp. 1743-1748, 2017.
- ✓ Venkata Reddy Kota, Muralidhar Nayak Bhukya "A simple and efficient MPPT scheme for PV module using 2-Dimensional lookup table" 2016 IEEE Power and Energy Conference at Illinois, PECI 2016.

Manuscripts under Revision:

- ✓ "A Simple Approach to Enhance the Performance of Conventional Maximum Power Tracking Controller under Partial Shaded Condition by Employing Second Stage to the Existing Algorithm". **Ain Shams Engineering Journal - Elsevier.**

Accepted Projects:

- ✓ Sanctioned an amount of Rs. 1.61 Cr from Department of Science & Technology under **TSP Technology Intervention for Tribal Empowerment** - Poverty Alleviation and Upliftment of Tribal Women through Mechanized Manufacturing of Traditional Ornaments and House Hold Products.

Projects under Consideration:

- ✓ Accepted for Evaluation under **Indio Israel Collaborative Project** – "Microwave Hydrothermal Synthesis of Hybrid Metal-Halide Perovskites Over Electrospun TiO2 Nanofibers for High Efficient Solar Cells.

VISION STATEMENT - TEACHING

- ✓ To support students in design and development of products based on the gained knowledge.
- ✓ To promote global knowledge exposure in student community.
- ✓ To develop interdisciplinary skills in students and create learning

culture.

VISION STATEMENT - RESEARCH

- ✓ To mentor students in laboratory and research activity.
- ✓ Working with students groups as a faculty advisor.
- ✓ To do high impact research through academic and sponsored research.
- ✓ To solve socio economic problems and provide technology through institutional support.
- ✓ To promote innovation and entrepreneurship culture among students.
- ✓ To motivate students to publish papers in high impact journals.

PERSONAL PROFILE

Father's Name	:	Sri Balaji Bhukya
Date of Birth	:	22-03-1987
Nationality	:	Indian
Marital Status	:	Yes Present
address	:	Door No 1-102, Poranki, Vijayawada, Krishna Dist, Andhra Pradesh, 521137.

(Dr. Muralidhar Nayak Bhukya)