

# Tadisina Kishen Kumar Reddy, Ph.D.

B.E. (Osmania); M.Tech. (IIT-M); M.S., Ph.D. (Drexel Univ. Philadelphia, USA); Post Doc Fellow (Southern Illinois Univ. Carbondale, USA)

**Present Member, Lab Research Council, Defence Metallurgical Research Laboratory, Hyderabad,  
Vice-Chancellor, Jawaharlal Nehru Technological University Hyderabad**

*Former Vice Chancellor, Gandhi Institute of Engg. & Tech University, Gunupur, Odisha, India  
Former Director General, Pandit Deendayal Petroleum University, Gandhinagar, Gujarat, India  
Former Rector, Jawaharlal Nehru Tech. University Hyderabad (JNTUH), Telangana, India  
Former Advisor, All India Council for Technical Education, New Delhi, India*

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Date of Birth: 08<sup>th</sup> April, 1956, 68+ years

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## KEY SKILLS

- ✚ Strategic thinker involving policy formulation; preparing vision documents; deciding R&D policy and its implementation & preparing documents for NIRF rankings, NAAC and NBA accreditations for branding of a University - as in Jawaharlal Nehru Tech. Univ. Hyderabad (JNTUH, 1994-2016); and Pandit Deendayal Petroleum Univ. NAAC - 3.39/4.0; (PDPU-2016-18)
- ✚ Demonstrated International & National networking skills by collaborating with Blekinge Univ., Sweden; NTU, Singapore; SIU Carbondale, USA; & AIT, Thailand for offering dual degree programs at JNTUH & PDPU; forged National Research Tie ups with DRDO, DMRL, BARC, ONGC, IOCL; BHEL R&D; & Tecumseh, Hyd, etc., resulting in Industry oriented Masters' and Doctoral research projects;
- ✚ As Advisor (Research & Institutional Development) at AICTE, New Delhi responsible for funding of Tier 2 Higher Education Institutions for Laboratory Modernisation and Research Promotion schemes worth Rs.50 Crores pan India.
- ✚ As VC, PDPU, recruited Industry & Academic Mentors and Senior Faculty; Conducted Industry Conclave at PDPU to facilitate academia-industry Symbiosis;
- ✚ As VC, PDPU, met Captains of Industry/ Academia / R&D Organizations to arrange internships/student projects/and facilitate Student Placements; Conducted Orientation programs for faculty & arranged Faculty sabbaticals in Industry; involved in Curricula revision; Conceived faculty, staff and student up dation programs;
- ✚ Proven track record of quality industry oriented research & publications, etc. by undertaking **one** NASA funded project for doctoral research (in USA) and at JNTUH secured **seven** funded projects on a nationally competitive basis from DRDL, DMRL, BHEL (R&D), India, AICTE, etc.
- ✚ My Indian and U.S. academic backgrounds coupled with National (AICTE) and State wide (JNTUH, APSCHE, ISTE, etc.) Higher Education strategic & administrative skills, R&D management and implementation skills plus interactions with stakeholders such as: policy makers, academicians, industry leaders, scientists, managements of colleges, students and society has inculcated in me deep institution capacity and capability building skills for achieving excellence in Higher Education.

## Executive Summary

- ✚ *Alumni of the Hyderabad Public School (HPS) Begumpet, Hyderabad, India (1971 batch) **which emphasizes all round development** and St. Pauls High School, Hyderguda, Hyderabad.*
- ✚ *Studied B.E. at Campus College, Osmania University, Hyderabad (1973 - 78); M. Tech at IIT Madras (1978 - 80); M.S. & Ph.D. from Drexel University, Philadelphia, PA, US (1981 - 87); Post-Doctoral Fellow at Southern Illinois University, Carbondale, IL, USA (1988).*
- ✚ *For my doctoral thesis, I worked on a project entitled "Jet Fuel Thermal Stability" funded by **NASA Lewis Research Center**, Cleveland, OH, USA.*
  
- ✚ *Served as **Vice Chancellor of Pandit Deendayal Petroleum University (PDPU), Gandhinagar, Gujarat** selected from a field of 120 plus candidates by Dr. Mashelkar, former DG, CSIR, India (Aug 2016 – April 2018)*
  - ***Steered PDPU through NAAC accreditation with a high "A" grade of 3.39/4.0 in Dec 2016 (in its very first cycle).***

- **Facilitated Recruitment of Distinguished Professors/Senior Mentors** which included a former Executive Director, Indian Oil Corp. R&D.
  - **Convened an INDUSTRY CONNECT CONCLAVE in Sept. 2017** with participation of 50 industries. Several MOU's were firmed up.
  - **Recruited fresh doctorates from the older IITs** for positions of Assistant Professors, etc.
  - **Arranged faculty Industry sabbaticals;**
  - **To improve employability of students reoriented curriculum to include a one semester industry internship;**
  - **Facilitated faculty to write research proposals to funding agencies.**
- ✚ Served as the first **Vice Chancellor** of the newly announced State Private **Gandhi Institute of Engg. &Tech University, Gunupur, Rayagada district, Odisha** on January 30<sup>th</sup> 2019.  
Arranged a visit by representatives of the Southern Illinois University, Carbondale, USA for a possible academic MOU. I relinquished the position in March due to lack of adequate medical facilities.
- ✚ Served a **three-year assignment as Adviser (Research & Institutional Development) at the All India Council for Technical Education (4/2002-4/2005)**, New Delhi under the stewardship of Prof. R. Natarajan, former Director, IIT Madras and Chairman, AICTE;
- ✚ **Involvement in National Committeessuch as the Planning Commission; DMRL; UPSC; DRDO; DST - NSTEDB; UGC; AICTE; NRDC; CII; NITTTR-Chandigarh; NIT's of Jalandhar & Jamshedpur, ISTE; APPSC, APPCB, etc.**
- ✚ **Served at JNTUH from September 1994 - April 2016 in various capacities .....**
- Served as **Rector, JNTUH** from May 2014 to April 2016, instrumental in preparing the NAAC format and reviewing the university's national and international MOU's; Served as **Member: Executive Council, JNTUH (2011-2016)** and as **OSD to Vice Chancellor (2012-2014)** - instrumental in **preparing a Vision Document** for JNTUH and rewriting a contemporary logo for JNTUH –**GATEWAY TO EXCELLENCE**;
  - **Recipient of three Excellent Research paper awards** in: 1) International Research Leadership Awards 2020 for Best Researcher Award of the year, Trichy, India; 2) International Association of Advanced Materials Conference, Singapore Feb 2018; and 3) ICMO Intl. Conference held in New Delhi, India 2013;
  - **Recipient and Principal Investigator of seven research projects** sourced from Defense Research & Development Labs., Hyderabad; Advanced Systems Lab, DRDL, Hyderabad; DRDO, New Delhi; and All India Council for Technical Education, New Delhi **worth Rupees 86.73 lakhs**;
  - **Industry/Consultancy expertise projects** carried out: Nano-refrigerants- M/s Tecumseh, Hyd; CFD analysis of Scramjet active panel cooling- DRDL ,Hyd; CFD analysis of Planar Flow Melt Spinning- DMRL, Hyd; CFD analysis of High Altitude Test Facility-Advanced Systems Lab., DRDL, Hyd; M.Tech projects in collaboration with M/s BHEL R&D, Hyd. (Flow Analysis of Bowl Mill/Dynamic Braking Resistor Unit)
  - **Technology Transfer:** Flow Analysis of Bowl Mill - implemented by BHEL in design and manufacture of modified Bowl Mill.
  - **Successfully guided twelve (12) Ph.D. research scholars**, one (1) MS by research, and 33 M.Tech students. **Several dissertations are industry driven.**
  - **Obtained one Indian copyright for an article relating Religion with Science (Feb, 2019).** One more manuscript submitted and awaiting approval.
  - **Recipient of State Award as Meritorious Teacher for 2010** by the Government of Andhra Pradesh;
  - Served as **Dean-R&D, JNTUH, (2008-09):** Instituted **plagiarism prevention checks of all research output** emanating from the University **during 2008** resulting in improvement of quality of research;
  - Served as **Founder Dean - Academic Audit Cell, JNTUH, (2009-12):** developed new and comprehensive college inspection formats for JNTUH in tune with UGC, AICTE & Govt. of A.P. guidelines;
- ✚ **Extra-Curricular activities:** Represented erstwhile AP State in Handball (twice); represented Osmania University in Basketball (once) and represented IIT Madras in Athletics, Basketball & Cricket. Silver medalist in Javelin throw at the Inter IIT Athletics meet held at IIT Delhi, 1979.