

VASUKIRAN MANDAVA

TF – 301, Vijayasai Enclave, Prathibaniketan road, +91-9494254742 vasukiran@outlook.com
Machavaram, Vijayawada, Andhra Pradesh,
PIN 520004

EDUCATION

MASTER OF TECHNOLOGY
(2013 – 2015)

IIT GUWAHATI

Chemical Engineering with specialization in petroleum science and engineering. **CGPA: 9.05**

Thesis Title: 3D Numerical Investigation of Critical Reynolds Number of Power-law Non-Newtonian Fluid Flow past Solid Spheres

BACHELOR OF TECHNOLOGY
(2009 – 2013)

UCE, JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA

Petrochemical Engineering

Percentage: 64.41

Thesis Title: Production of Linear Alkyl Benzene using UniSim design suite.

Internship: On production of ammonia and urea at NFCL Kakinada.

EMPLOYMENT

ASSISTANT PROFESSOR

(March '16 – July'17)

C. V. RAMAN COLLEGE OF ENGINEERING, BHUBANESWAR

RELEVANT COURSES

- ✓ Petroleum Refinery Engineering
- ✓ Refinery Process Design
- ✓ Petrochemical Engineering
- ✓ Process Modeling and Simulation

SKILLS

DESIGN AND SIMULATION

COMSOL



FLUENT



UNISIM



ASPEN HYSYS



PROGRAMMING LANGUAGES

MATLAB



C AND C++



PYTHON



PUBLICATIONS AND CONFERENCES

1. K.D. Rao, M. Vasukiran, A.R.K. Gollakota and N. Kishore, "Buoyancy driven bubble rise and deformation in milli/micro channels filled with shear-thinning nanofluids", Colloid. Surf. A, 467, 66-77 (2015).
2. K.M. Krishna, H. Gidituri, N. Kishore and M. Vasukiran, "Mixed convection heat transfer from confined square cylinder to non-Newtonian nanofluids", Proceedings of 5th International and 41st National Conference on Fluid Mechanics and Fluid Power, FMFP-2014, Paper # K1-120, Kanpur, India, December (2014).