

## **PROFILE of Dr, VIJAY T. INGOLE**

Dr. V. T. Ingole was born and brought up in a small village Borala near Chandur bazar in Maharashtra the year of Indian independence and was educated in Amravati (Maharashtra).

\* B. E. (Electrical) from First Batch of Govt. College of Engineering, Amravati in 1967 in First Division

\*M. Tech. from VRCE (now VNIT, Nagpur) with higher ranking in 1970 in First Division.

\*Ph.D. in Solid State Devices (**CdSe Diode**) in 1998.

### **Industrial experience:**

\*Crompton Greaves Ltd, Mumbai as Chief Design Engineer 12 yrs

\*Consulting Engineer ( M/S Jadhao Gears, Pranshu Motors & others)

### **Product Design & Development:**

#### **\*Electrical Machines:**

1. D.C. Motor/Generator 400 KW , .
2. FHP DC, BLDC Motors,
3. Ceiling Fan,
4. Table Fan,
5. Alternator up to 315 KVA,
6. Induction Motor up to 8000KW,
7. D-G Sets.
8. Special Machines for Defense.

#### **\* Electronics & Power Electronics:**

1. **Photo Voltaic Cell**
2. **Solar Inverters**

Design & Development: 30 products (list attached).

**Training:**

\*Alumnus of Indian Institute of Management (IIMA),

\*Alumnus of National Institute of Training Industrial Engineers (NITIE)

\*Brush Electrical, Loughborough, UK

**Teaching & Administration:**

Professor —30 yrs

Principal of PRMITR, Badnera—15 yrs

Principal PICT, Pune—3 yrs,

Fmr. Director IBSS group of Education Institutes, Amravati

PhD Guide & Referee:

1. Sant Gadgebaba Amravati University

2. Kolhapur University

3. Bharati Vidyapith

PhD awarded to Students: 10; Pursuing: 2

**Membership:**

Sr. Member IEEE since 2000, Fellow, IETE, Fellow IE(I), Hon. Fellow ISTE, LM IEQT, LM IPT, LM Rock Art Society of India, Founder Chairman, IETE Amravati Local Center

### **Awards & Felicitation:**

1. Best Paper Award by IE(I),
2. Honored by prestigious **Dr. Baliga Award** by Institute of Electronics & Telecomm. Engineers (**IETE**), New Delhi (outstanding research contribution in field of Electronics & Telecommunication)
3. Conferred with an **Honorary Fellowship** by Indian Society for Technical Education (ISTE), New Delhi by Hon. CM of Maha. Shri Devendra Fadanvis (outstanding contribution towards the growth of technical education in India).
4. Felicitated by Hon. Padmavibhushan Dr. Mashelkar ( Patents & Discovery) .
5. Conferred a prestigious Lifetime Achievement Award by IETE Amravati Centre, Amravati.
6. Conferred a prestigious Lifetime Achievement Award by IE(I) Amravati Centre, Amravati.

### **University:**

Senate Member, Sant Gadge Baba Amravati University (Chancellor Nominee), 2<sup>nd</sup> Term.

Fmr Chaiman BOS, RRC SGBAU

Fmr RRC, Pune University

Fmr Adjunct Prof. MBA Dept SGBAU

**\*Research Publication in Engineering: 60+**

**\*Research Publication in Archaeology: 2**

**\*Astronomy: 1**

**Publication in Allied Science Fields:**

1. Role of Male in Evolution,
2. Secret of OUM,
3. Rain & Diseases,
4. Shadow-Band & Total Solar Eclipse

**Patents Filed: 32. First in 1974, Latest in 2018. (List attached)**

**International Patents Filed: 2**

1. Ternary Logic Arithmetic and Logic Unit for Fast computer,
2. Rotary IC Engine.

**Discovery:****Life Time Achievement:**

First to have discovered 300 cave shelters and 600 rock-paintings from Upper Paleolithic (Stone Age- 15,000 to 20,000 Yrs BCE) to prehistoric era in Satpura-Tapti Valley near Morshi (Amravati-MS) in 2006-07 and recognized to be the first discover by RASI & ASI as an outstanding discovery of 21<sup>st</sup> century after Bhimbetka of 20<sup>th</sup> century.

**Important Government Assignment:**

Executive member of the first Information Technology Committee, Govt. of Maharashtra in 1999.

### **Special Instruments Developed:**

1. Design of Electronic equipment for Recording Shadow Bands, during total solar eclipses in 1995 at Neem ka Thana.
2. Egg Incubator for Mobile Research.

### **Contribution in Biodiversity & Nature Conservation:**

Green promoter, Bird Watcher, Bird & Wild Life Photographer, Founder of Green Circle. Associated with Nature Conservation Society as Advisor since last 35 years.

### **Book Publications:**

1. Ternary Digital System: Concepts and Applications.
2. ARANYAGARBH in Marathi – Conferred ‘Kirloskar Vasudhara Mitra’ award.
3. Checklist of Birds in Mahendri Forest near Warud
4. ASHMA YUGANTAR: A book on Archeology- Rock shelter painting in Marathi & Hindi
5. Autobiography: **How did I do it.** Under Publication

### **Present assignment:**

Chairman/Director: ECE (India) Energies Pvt. Ltd

Founder: Green Circle Science Centre, Amravati

Founder : Indo-Japan Information & Research Centre

Fmr. Director: Techknowvista Incubation Centre. Amravati.

## **Outstanding Achievements:**

1. Recognized by the World to be the first discoverer of Paliolithic Ambadevi Rockshelter Paintings. (**Google**)
2. Recognized by the World to be one amongst 1000 scientist in the world. (**Academica.edu**)
3. Recognized by the World to be the first to have filed patent of Modern Ternary ALU Computer. (**Google**)
4. Recognized by the World to have authored a book titled "Ternary Digital System: Concepts And Applications". Published by SM Group USA. (**Researchgate.net**)

## List of Patents filed:

1. Static excitation system for AC generators/alternators (1974)
2. Quasi flash analog to digital converter with resistance ladder
3. Charge transfer quasi flash analog to digital converter
4. Passive cooling system
5. Homopolar linear motor
6. Fixed vane rotary compressor
7. Rotary Internal combustion engine
8. High speed rotary internal combustion engine
9. Duel rotor Induction-synchronous generator for wind-mill
10. A novel mechanism for Windmill having Stationery Generator
11. Energy saving device for agriculture electric water pump
12. Draft Tube for agriculture electric water pump
13. Road vehicle motion safety indicator
14. Rotary vane pump with calibration
15. Truth Brush with elliptical bristles
16. Self Cleaning rotary multi-pan toilet
17. Periscope for physically challenged
18. High speed rotary internal combustion engine 2
19. Fall Prevention apparatus
20. Weight Simulator power pack for Gym
21. **High speed rotary internal combustion engine 3**
22. Passive Roof Top Ventilator
23. Cistern Pressurized
24. **Ternary Arithmetic & Logic Unit (Mega Super computer )**
25. Digital To Digital Converter
26. Cistern Siphon
27. Septic Tank sewage water purification apparatus
28. On Body Mobile Charger
29. Regulated Liquid dispensing Apparatus
30. Bathroom human fall prevention device
31. Liquid Level controller
32. Vertical Wind Mill

## **Non Patented Products Designed & Development:**

1. Level controller for non-conducting liquids (1980)
2. Side-band receiver for Amplitude Modulated radio signals (1991)
3. Corona treatment machine for polymer films (1978)
4. Electro-static powder coating machine(1979)
5. TTL based TV game (1974)
6. Cement slurry dispenser for brick masonry
7. Crompton High-Breeze ceiling fan (1970)
8. Table Fan (1973)
9. Solar energy power supply system
10. Special D.C. Motor 7KW to 600 KW for Thyristor Converters
11. AC generators 10KVA to 315 KVA
12. Electronic air purifiers
13. Battery chargers
14. Electroplating devices
15. Electrostatic insecticide spraying machine for farmers
16. PM motors for servo system
17. Manual high speed sweeping machine (**Patent under process**)
18. Variable torque device (**Patent under process**)
19. Shadow band studies during total Solar Eclipse (1995)
20. Automatic egg incubating machine for UHF exposure testing
21. Cotton Ginning machine (Consultant)
22. Power Inverters
23. Power Converters
24. Rodent repellent
25. Manual automatic plastic waste bags picker
26. Static ventilator using wind energy
27. Solar power operated sweeping tricycle
28. Solar Panel cleaning system
29. Pharma Patch making Machine
30. Pharma Slide Station