



Nitya Innovations LLP

Registered Address:

1305, Moreswar Heights, Plot No 9A, Sector 34,
Kamothe, Navi Mumbai. 410209

Lab Address:

Unit No 39, 3rd Floor, GAMI Industrial Park
C-39/A, South Central Rd, T.T.C. Industrial Area, MIDC Industrial Area,
Pawne, Navi Mumbai, Maharashtra 400705 India

GSTIN: 27AANFN3096L1ZL

Date: 10 /01/2025

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) is made between the

Nitya Innovations LLP

Unit No 39, 3rd Floor, GAMI Industrial Park, Plot No C39/A, South Central Road, TTC
Industrial Area, MIDC Area Pawne, Turbhe, Navi Mumbai. Maharashtra, India. 400705

AND

Department of Electronics & Telecommunication Engineering,

Shri Shivaji Vidya Prasarak Sanstha's,
Bapusaheb Shivajirao Deore College of Engineering,
Vidyanagari, Deopur, Dist: Dhule,
MAHARASTRA, INDIA, 424 002

About Nitya Innovations LLP

Nitya Innovations LLP is an Independent Design house involved in Deep Technology development; in the area of Energy Efficiency, IoT and EV Subsystems. We help our customers (and ourselves) to conceptualize their (and of course Ours!) Product ideas, by providing our expert technical services in doing so. At Nitya Innovations more focus on, multidisciplinary engineering and technology areas of the product Development. We do welcome "One Stop" requirement of "Concept to Production" from you; leveraging our external network partners involved in Industrial Design, Electronic Contract Manufacturing and Production tool making.

At Nitya Innovations, deal from us is straight; your ask is delivered with Innovation (only!). Product Architecture, Functionality being built, Product Life Cycle; in all aspects of a new product development, we build something more than your expectation. Many of our customers created IP based on the design we delivered.

Areas of Expertise?

Currently we take up Product and Solution development involving,

- DeepTech, Difficult to Develop Electronic Designs
- Power Electronics: Upto 400V DC and 100A Peak, involving IGBTs, MOSFETS, Triac, SCR, BJTs
- Embedded Systems Based on: 8,16,32 Bit Micro-Controllers, Entry Level DSP Processors, with or without RTOS, FPGA



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- Analog and Mixed Hardware Design, Multi layer PCB Layout Design
- Cloud Connectivity using Ethernet and GPRS for Real Time Performance
- UI and Smartphone App (considered in case to case basis).
- Motor Speed controllers for: Induction, Universal, DC, BLDC, PMSM, SRM, Stepper

Vision

We see the future as a canvas of endless possibilities, waiting to be shaped by our relentless pursuit of innovation.

Mission

Develop Innovative Products in the area of,

1. Energy Efficient Systems and Products
2. IoT Applications
3. EV Subsystems

Our Products

Vayutron:

- Built to Kill Harm!
- Air Ionization Based Disinfection System
- Destroys: Viruses, Bacteria, Fungus and Odor
- Patented Technology: Indian Patent No: 404061
- visit: www.vayutron.com, for more details

Arkatron:

- Connected Smart Lighting Solutions
- Protocols Support: DMX-RDM, DALI, RF
- Tunable and Dynamic Color Lighting Electronics
- Visit: www.arkatron.in for more details

About Shri Shivaji Vidya Prasarak Sanstha's B. S. Deore College of Engineering, Dhule

Shri Shivaji Vidya Prasarak Sanstha's B. S. Deore College of Engineering, Dhule, is one of the oldest Engineering College established in the North Maharashtra region in 1983. The institute is affiliated to the Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad, Maharashtra and approved by AICTE, New Delhi. It is a co-education institute, responsible for imparting industry-responsive UG, PG and Ph.D. level programs, in the field of engineering and technology & professional education.



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Presently the Institute offers UG Programs in disciplines like Civil Engineering, Computer Engineering, Electronics & Computer Engineering, Electronics & Telecommunication Engineering, Electronics Engineering & Mechanical Engineering. The institute also offers PG program in MBA, which is affiliated to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon.

The **Department of Electronics & Telecommunication Engineering** was established in **1999** with intake of **60** initially and continued with same intake till 2023 in the Institute. The intake of department was successfully increased with permission of AICTE & DTE to 90 in 2024 and also got permission to increase in intake to 120 in 2025.

Department of Electronics & Telecommunication Engineering, Shri Shivaji Vidya Prasarak Sanstha's B. S. Deore College of Engineering, Dhule and Nitya Innovations LLP are trying to build up the thought process and skill of students towards innovations , technology and development. Successfully shaping up their budding minds.

For trying to carry out this joint venture few steps towards our efforts can be:

1. Hands on workshops where they can do actual implementation.
2. Lecture/Seminar giving exposure to students with various technologies.
3. Internship for students
4. Giving students a platform where they can actually interact with industry person and can communicate to know innovations and development going on.
5. Virtual sessions and guidance for their innovative ideas.

Department of Electronics & Telecommunication Engineering, SSVPS BSD COE, Dhule and Nitya Innovations LLP agree that this MOU will be in vogue on an experimental basis for 5 years and they may extend it further.

Implementation procedures which are not as per the present MOU will be discussed and will be incorporated in agreement with the consent of both the organizations.

We mutually agree for the participation in Student – Teacher responsibility program and to the terms outlined above.

Terms And Conditions

1. Department of Electronics & Telecommunication Engineering, SSVPS BSD COE, Dhule and Nitya Innovations LLP shall collaborate in drawing up the time-tables to suit mutual convenience.
2. Nitya Innovations LLP shall train up individual groups on their selected activity and supervise the student activities in conformity with agreed plans.
3. Nitya Innovations LLP shall be training the students on a purely voluntary basis.



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4. Department of Electronics & Telecommunication Engineering, SSVPS BSD COE, Dhule will not charge any amount against use of infrastructure and Laboratory facilities.
5. Department of Electronics & Telecommunication Engineering, SSVPS BSD COE, Dhule will maintain privacy of the shared data.
6. MOU will be effective from mentioned date for 5 years.
7. Both parties can update and upgrade MOU by having discussion accordingly.
8. Either party can terminate MOU with prior notification.



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On behalf of

Nitya Innovations LLP

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Department of Electronics & Telecommunication Engineering,

Shri Shivaji Vidya Prasarak Sanstha's B. S. Deore College of Engineering, Dhule - 424005
Maharashtra (India)

Dr. Hitendra D. Patil

Professor & Principal

Shri Shivaji Vidya Prasarak Sanstha's B. S.
Deore College of Engineering, Dhule



Mrs. Snehal Nilesh Gawali.

Director

Nitya Innovations LLP

In presence of

Dr. Pravin S. Patil

Professor & Head

Department of Electronics &
Telecommunication Engineering
Shri Shivaji Vidya Prasarak Sanstha's B. S.
Deore College of Engineering, Dhule

Dr. Sagar A. More

Training & Placement Officer

Shri Shivaji Vidya Prasarak Sanstha's B. S.
Deore College of Engineering, Dhule