



DTE Code: 4151

www.tgpcet.com

TULSIRAMJI GAIKWAD-PATIL
College of Engineering & Technology

(Approved by AICTE, New Delhi and Govt. of Maharashtra & Affiliated to MSBTE, Mumbai)

Approved by AICTE, Recognized by Govt. Maharashtra & affiliated to RTMNU Nagpur/MSBTE, Mumbai

MSBTE CODE: 1683

—POLYTECHNIC—



Maharashtra State Board of Technical Education (MSBTE)

Sponsored

One Week Faculty Development Training Program

on

Application of Sensors & Drones in Smart Agriculture

12th Jan. 2026 – 16th Jan. 2026

Organised by

Department Of Mechanical Engineering

Tulsiramji Gaikwad-Patil College of Engineering & Technology, Polytechnic, Nagpur

INSTITUTE VISION

- “To emerge as a learning Center of Excellence in the National Ethos in Diploma in Engineering.”

INSTITUTE MISSION

- M1: To elevate the standards of students through ethical practices.
- M2: To provide facilities and services to meet the challenges of Industry and Community.
- M3: To ascertain holistic development of the students and staff members by inculcating knowledge and profession as work practices.

DEPARTMENT VISION

- “To Be a premier center for producing competent Mechanical Engineers to cater the ever- changing industrial demands and societal needs.”

DEPARTMENT MISSION

- M1: To provide better environment to the students and faculty members, creating an ambience conducive for excellence in Mechanical Engineering.
- M2: To Strengthen industry Institute interaction to made the challenges of industry and society.
- M3: To impact quality technical education to inculcate moral values, professional ethics and entrepreneurial qualities

ABOUT INSTITUTE

Tulsiramji Gaikwad-Patil College of Engineering and Technology (TGPCET) was established in 2007 by Vidarbha Bahu-uddeshiya Shikshan Sanstha (VBSS), a registered society. It is a self-financed private engineering college, affiliated with Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur, and approved by the All India Council for Technical Education (AICTE), New Delhi. The college is also approved by the Directorate of Technical Education (DTE), Mumbai, Maharashtra State. The institute is accredited with an A+ grade (3.32 CGPA) by the National Assessment and Accreditation Council (NAAC). It is an autonomous institute affiliated with RTM Nagpur University, Nagpur. The B.Tech. Mechanical Engineering and B.Tech. Electrical Engineering programs have been accredited by the National Board of Accreditation (NBA) for three years (up to 30th June 2026), and recently, the B.Tech. Civil Engineering and B.Tech. Electronics and Communication Engineering programs have also been accredited by the NBA for three years (up to 30th June 2028). TGPCET also conducts three-year diploma programs in six engineering disciplines: Civil Engineering (CE), Mechanical Engineering (ME), Computer Science and Engineering (CSE), Electrical Engineering (EE), Electronics and Communication Engineering (ECE), and Information Technology (IT).

OBJECTIVE OF THE COURSE

- To provide participants with a comprehensive understanding of the principles of semiconductors, sensor technologies, and drone applications relevant to modern agriculture.
- To demonstrate and facilitate hands-on learning of how these technologies are implemented in real-world agricultural scenarios.
- To bridge the gap between engineering, technology, and agricultural science, enabling participants to understand the synergistic relationship between these fields.
- To inspire participants to explore new research avenues and develop innovative solutions for sustainable agriculture using these advanced technologies
- To create a platform for participants to interact with experts, share experiences, and network with professionals in the field.

RESOURCE PERSONS

1. Dr. G. K. Awari

HOD, Automobile Engineering Department, Government Polytechnic, Nagpur

2. Dr. Narayan BorkarScientist- farm machinery and power
ICAR- central Institute for Cotton Research Nagpur.**3. Mr. Harish Zambani**

CEO, Hixaa Technologies Pvt. Ltd., Nagpur

4. Mr. Akash Chitmitwar

Founder and CEO, Cropcopter System Pvt. Ltd., Nagpur

5. Mr. Apekshit Sonole

Director Bharat Dronetech Nagpur

6. Dr. Pragati Patil

Vice-Principal (Admin) TGPCET

7. Dr. Anup Gade

Vice-Principal (Academic) TGPCET

8. Prof. Ritesh Banpurkar

Dean. IQAC TGPCET

9. Dr. Niraj Wayzode

Associate Professor Mechanical Engineering

10. Prof. Vishwajeet Ambade

HOD. Aeronautical Engineering

**GAIKWAD-PATIL**
GROUP OF INSTITUTIONS

YOUR DREAM IS OUR MISSION

CHIEF PATRONS

Dr. VINOD M. MOHITKAR

Director, DTE, Mumbai

Dr. PRAMOD NAIK

Director, MSBTE, Mumbai

Prof. U. T. NAGDEVE

Secretary, MSBTE, Mumbai

Dr. Mohan Gaikwad-Patil

Chairman, Gaikwad-Patil Group

Shri. Akash Gaikwad-Patil

Vice Chairman, Gaikwad-Patil Group

Dr. Anjali Gaikwad-Patil

President, Gaikwad-Patil Group of Institutions

Dr. Sandeep Gaikwad

Treasurer, Gaikwad-Patil Group of Institutions

PATRONS

Smt. Mrunal Kokate

Deputy Secretary (T), MSBTE, Mumbai

Dr. Kanchan Mankar

Dy. Secretary, MSBTE, RO, Nagpur.

Dr. Anjali A. Bhandakkar

Assistant Secretary (T), MSBTE, Mumbai

Mr. Dilip Lilhare

Asst. Secretary, MSBTE, RO, Nagpur.

Dr. Suryakant Thorat

Campus Director, Gaikwad Patil Group of Institutions.

Dr. Premanand Naktode

Principal, TGPCET

Dr. Pragati Patil

Vice-Principal (Admin), TGPCET

Dr. Ganesh Wakte

Vice-Principal (Polytechnic), TGPCET

ELIGIBILITY CRITERIA

Faculties from institutes all branches running Diploma in engineering

KEYPOINTS

- There is No Registration Fees the said programme is sponsored by MSBTE.
- The participants will be paid TA and DA as per MSBTE Rules.
The FDP will be conducted in offline mode.
- Test will be conducted at the end of the programme.
- Participants will be selected on first come first serve basis.
- Selected candidates will be intimated by email only.
- The certificates will be issued to those participants who have attended the programme with minimum 80% attendance and scored minimum 60% marks in the test.

REGISTRATION DETAILS

- Interested faculty may register online in following way:
- Interested participants can register using the following link:

Visit www.msbt.ac.in

Step1: Visit www.msbt.ac.in

Step2: Select I/K Scheme Implementation

Step3: Click on "Institute Login "

Step4: Go to Faculty Activities.

Step5: Choose Industrial Training / FDP Registration.

Step6: Fill in your personal details

Step7: Upload Principal's Approval Letter.

Step8: Submit the Form.

- Please keep Principal's Approval Letter ready to upload before registration.
- Principal's Approval Letter must be uploaded as .jpg document. Principal's approval letter size: Less than 500kb.
- Application without Principal's Approval letter will not be considered for further processing.

CHIEF-COORDINATOR

Dr. Niteen Kakade

Dean, Polytechnic, TGPCET

9890566884

principalpoly@tgpcet.com

COORDINATOR

Mr. Yogesh Ramteke

Lecturer, ME, TGPCET

9922392282

ORGANISING COMMITTEE

Miss. Ruchi Sakhare

Lecturer, EE (Poly), TGPCET (9175789450)

Ms. Vanshika Bramhane

Lecturer, CE(Poly), TGPCET (9373238028)

Mr. Ram Sarnaik

Lecturer, CSE(Poly), TGPCET (9370754084)

ADDRESS OF CORRESPONDENCE

Dr. Niteen Kakade

Dean, Polytechnic, TGPCET,

Tulsiramji Gaikwad-Patil College of Engineering and Technology.

Mohagaon, Wardha Road, Nagpur, 441108 Maharashtra, INDIA

Phone No.: 9890566884

E-mail: principalpoly@tgpcet.com

Website: www.tgpcet.com | www.tgpcetpoly.com

Download the Principal's Approval Letter by scanning the QR Code:

