

A Newsletter

Spark 2026

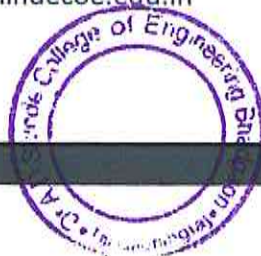


DEPARTMENT OF ELECTRONICS & COMPUTER SCIENCE
DR. A. D. SHINDE COLLEGE OF ENGINEERING, BHADGAON.

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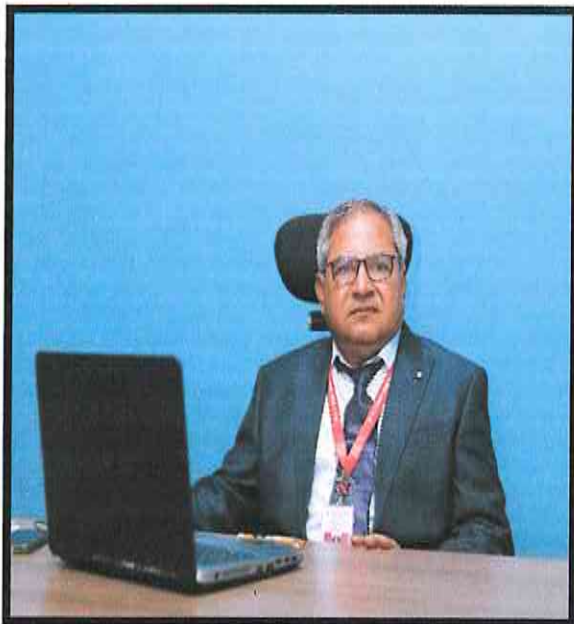
Secretary message...

I am gratified to know that the Department of Electronics & Computer Science is bringing out the News Letter "Spark 2026", it is a kind of activity which motivates students to share and learn showcasing their talents. I wish "Department of Electronics & Computer Science " a very big success in all their ventures. I also applaud the coordination and efforts behind the team to bring out this edition of department magazine beautifully. I wish them all success to students & faculties.

With Best Wishes,

Mrs. Swati Mahesh Kori

Secretary, DKSST.



Principal Message...

It gives me immense pleasure to learn that Department of Electronics & Computer Science is bringing out News Letter "Spark 2026", in style. I place on record the efforts of all students and faculty members for their systematic collection and editing to publish this edition in a magnificent way. My congratulations to all students and faculty of the department.

Dr. Dinkar V. Ghewade.

Principal DADSCOE, Bhadgaon.





The Department of Electronics & Computer Science Engineering which is established in year 2022. The excellent infrastructure and teaching faculty of the best kind ensuring quality education, are the key parameters of the department. The Department aims to produce quality professionals in the field of Electronics & Computer Science Engineering and strive for excellence in research and development.

We offer our students the best hands-on experience, intellectual collaboration, research prospects, social impact projects, industry linkages so that they get the best of placements and also contribute to societal growth. The content of every course in our curriculum has been integrated so as to facilitate the development of innovative computational flair among the students. Our department is consistently striving for a better curriculum, teaching and learning practices that will provide scope for the students to acquire knowledge for better opportunities, admissions in prestigious institutions and promote research and consultancy.

Mr. Mahadev A. Bandi.

Asst. Professor & HOD Electronics & Computer Science.

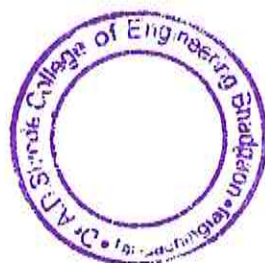
College: Vision, Mission

Vision:

To provide best quality education in the field of Engineering and Technology to the aspirants and serve the nation through development of Scientific, Creative, Trustworthy human asset.

Mission:

- To meet engineering manpower needs for the social, techno-economical development of region and nation.
- To contribute to the knowledge through research and development.
- To imbibe habits of creativity and innovation to generate IPRs.
- To inculcate noble values of ethics, morality, integrity and humanity.
- To get the global accreditation for all courses.



Vision:

To strive for progressive excellence in electronics and computing field and develop innovative human asset.

Mission:

M1: To impart value-based education to transform students into globally competent professionals.

M2: To inculcate ethical values to produce promising professionals.

M3: To practice research and innovation for sustainable techno-social development.

PEO (Program Educational Objectives):

PEO

- Practice electronics and computer science engineering in design, machine learning, internet of things, artificial intelligence or as an entrepreneur for successful professional career.
- Pursue higher education for professional development.
- Exhibit leadership qualities with demonstrate attributes in life-long learning to contribute to the societal needs.

PSO (Program Specific Outcomes):

PSO

PSO1:

Apply knowledge of embedded system to develop robust electronics system.

PSO2:

Build artificial intelligence based simple automatic system.



Achievements.

Our Toppers—A. Y. 2025-26 CLASS - SY B. Tech

Rank	NAME OF STUDENT	PERCENTAGE
1	Desai Vasudha D.	78.71%
2	Chavan Sanika A.	77.16%
3	Hawaladar Samruddhi T.	76.51%

CLASS - TY B. Tech

Rank	NAME OF STUDENT	PERCENTAGE
1	Sutar Diksha N.	86.88%
2	Patil Omkar M.	85.25%
3	Karwal Shubhangi C.	85.25%

CLASS – Final Year B. Tech

Rank	NAME OF STUDENT	PERCENTAGE
1	Chougule Prajjwal P.	84.63%
2	Patil Tejaswini T.	82.00%
3	Khairmode Ravikiran R.	82.00%

Our faculty Prof. Irfan M. Trasgar has awarded a design patent for vehicle carbon dioxide emission monitoring device.



Future of Electronics – Flexible and Wearable Devices

Flexible and wearable electronics represent the future of modern electronic systems by introducing devices that are lightweight, bendable, and highly portable. Unlike traditional rigid circuits, these technologies use advanced materials such as graphene and organic semiconductors, allowing electronic components to flex and stretch without damage. Wearable devices, designed to be worn on the human body, are increasingly used for continuous monitoring of health parameters such as heart rate, body temperature, and physical activity. This has made them highly valuable in healthcare, enabling real-time monitoring and supporting remote patient care.

In addition to healthcare, flexible and wearable electronics are widely used in fitness tracking, smart textiles, entertainment, and military applications. The integration of sensors, microcontrollers, and wireless communication technologies makes these devices intelligent and capable of connecting with other systems, contributing significantly to the growth of the Internet of Things (IoT). Furthermore, innovations such as flexible displays, foldable smartphones, and electronic skin (e-skin) demonstrate the vast potential of this field.

Energy efficiency and user comfort are major advantages of flexible electronics, as they consume low power and easily adapt to different shapes and surfaces. However, challenges such as durability, high production costs, and limited battery life still need to be addressed. Ongoing advancements in nanotechnology, material science, and energy storage are expected to overcome these limitations. In the future, developments like self-healing and biodegradable electronic devices, along with integration with artificial intelligence, will further enhance their capabilities. Overall, flexible and wearable electronics are set to play a crucial role in shaping smart, connected, and human-centric technologies.

By: - Prajjwal Chougule & Ravi Khairmode



Article by students.

Revolutionizing Electronics with Artificial Intelligence

Artificial Intelligence (AI) is transforming the field of electronics by enabling smarter and more autonomous systems. From intelligent circuits to predictive maintenance in industrial robots, AI plays a vital role in modern electronics.

AI algorithms are now used in signal processing, fault detection, and embedded systems, improving efficiency and reducing human intervention. For example, machine learning models can analyze sensor data to predict equipment failure before it occurs.

Moreover, AI-powered chips and edge computing devices are making electronics faster and more efficient. This integration of AI with electronics is expected to drive innovation in robotics, healthcare devices, and smart homes.

By: -Omkar Patil & Pramod Patil

Connecting the World through Smart Electronics

The Internet of Things (IoT) is a network of interconnected devices that communicate and share data through the internet. It is widely used in smart homes, agriculture, healthcare, and industrial automation.

IoT systems consist of:

Sensors

Microcontrollers

Communication modules (Wi-Fi, Bluetooth)

Applications include:

Smart irrigation systems

Remote health monitoring

Industrial automation

IoT combined with AI creates Intelligent IoT systems, enabling automation and real-time decision-making.

By: -Diksha Sutar & Shubhangi Karwal



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PAGES

Department of Electronics & Computer Science has organized Mini Project Competition for S.Y B. Tech students on 19/12/2025. 28 groups are registered for mini project

Result:

1. Bhandare Suraj Vitthal
2. Prajakta Prakash Pol.
3. Siddharth Sutar



Guest Lectures.

Industry Expert Lecture

- Expert Lecture on — “Bridging Academia and Industry-The path for ECS engineers”
By Mr. Sangamesh G. T. on 07th Nov 2025
- Expert Lecture on — Embedded System by
Mr. Chidambar Kulkarni on 31st Jan 2026



Workshop

- Five days FDP on Python Programming by
Prof. S. V. Solapure from 23/06/2025 to
27/06/2025



Industrial Visits.

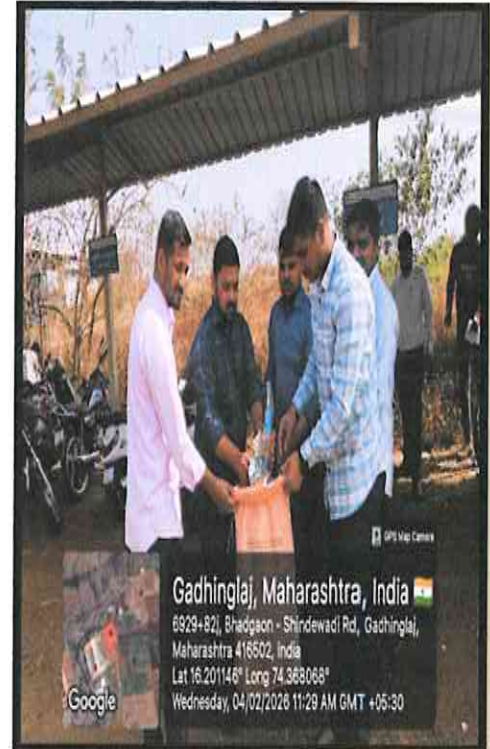
Industrial Visits

- Industry visit organized at — Magnum Tuff India Private Limited Naingalaj. For Third year and final year students on 04/11/2025
- Industry visit organized at — Government Tool Room & Training Center. Udyambag, Belagavi. For final year students on 29/01/2026



Social Activity

- Organized Swachh Bharat Abhiyan in the college campuses of Dr. A. D. Shinde Institute of Technology, Dr. A. D. Shinde college of Engineering, and Radhabai Shinde College of Pharmacy on 04-02-2026.
- Blood Donation Camp



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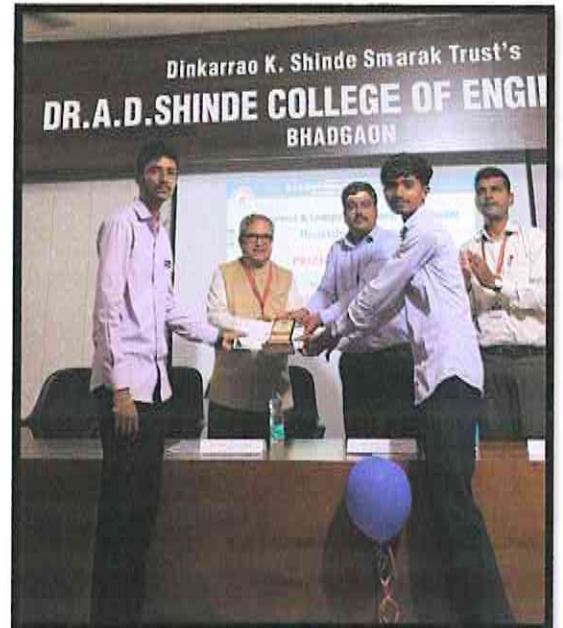
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Smartspark 1.0 2K25 on 11 Sep 2025

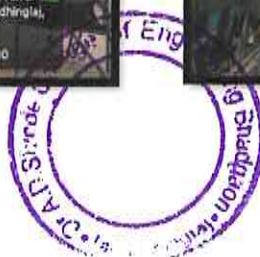
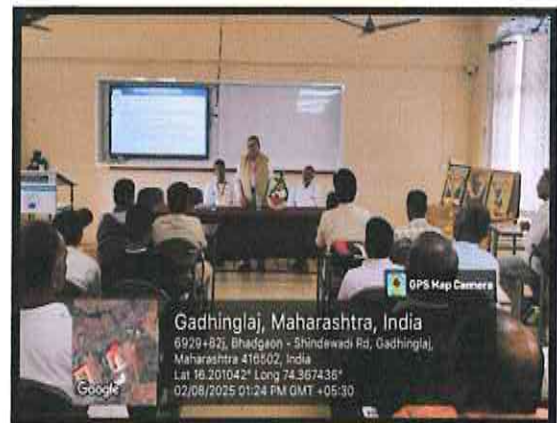
Organized National level Project competition.



Smartspark 1.0



Parents Meet.



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“Annual Sports”

Students of ECS Department enthusiastically participated in annual sports.



Annual Sports



1. One day workshop on Teaching Methodology and NEP-Syllabus Restructuring on 30/12/2025 at 10:00 am.
2. Department Advisory Board Meeting on 30/12/2025 at 3:00 pm.

Faculty Involvement



About the Newsletter

DADSCOE, Department of Electronics & Computer Science is proud to publish its NEWSLETTER SPARK 2026.

The objectives of this Newsletter is to keep our Students, Parents, Faculty and Industry informed about the activities happening in the Department. Through this half yearly publication, we hope to engage our various stakeholders in building the network among themselves. We hope you enjoy it!

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Editorial Board...

- ⇒ Mr. M. A. Bandi.
- ⇒ Mr. A. A. Magadum.
- ⇒ Mrs. S. S. Bhoi.
- ⇒ Mr. I. M. Trasgar.
- ⇒ Ms. S. V. Solapure.
- ⇒ Mrs. S. S. Patil
- ⇒ Mrs. A. M. Kamble

