ARMY INSTITUTE OF TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

Drishya

E-MAGAZINE
NEWSLETTER

2023-2024

12TH EDITION
SEM-2

MANAGEMENT

Brig Abhay A Bhat(Retd)
Director, AIT

Col M K Prasad(Retd)
Joint Director, AIT

Dr. B P Patil
Principal, AIT

Message from HOD's Desk

Welcome to the department of Information Technology where faculty and staff are committed for ensuring great careers for their students The department was established in the year 2001 and offers bachelor's degree in Information Technology with an intake of 120 students. The department is accredited by NBA for its high-quality technical education.

Dr. Sangeeta Jadhav (Professor & HOD IT)

The department strives to provide a conducive environment for the students to develop analytical and practical skills and apply them effectively to real world problems through the state-of-art infrastructure, well equipped laboratories, classrooms with modern teaching aids and best technologies available.

Furthermore, in order to promote co-curricular activities in students, department has strong association with different professional bodies like CSI, NPTEL student chapters .It is ensured to conduct activities to be conducted effectively and efficiently for overall development of students and prepare them for the rapidly dynamically changing technology landscape.

Department takes pride in establishing Machine learning Lab with High performance Computing (HPC) facility and Ubiquitous Computing and Computer Vision Lab sponsored by AICTE where students get opportunity to work on challenging projects that push their skills further and beyond.

EDITORIAL BOARD

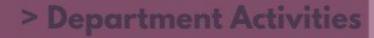## FACULTY ADVISOR

DR. DIPIKA BIRARI
(Asst. Professor)

ARYAN KUMAR SINGH
(SE-IT)

LOKESH CHATURVEDI
(SE-IT)

TABLE OF CONTENTS

DEPARTMENT ACTIVITIES

ARMY INSTITUTE OF TECHNOLOGY

Director Interaction Meeting

Meeting (Director Interaction) with Director, JT Director and Principal with Teaching and Nonteaching Faculty on 11th Jan 2024.

Guest Lecture

Guest lecture on "Internship Importance & Opportunities"
Date :- 18th Jan 2024
Speaker :- Mr. Amol Aher.
Audience: TE IT students

DEPARTMENT ACTIVITIES

Workshop

Workshop on "Data Analysis and Visualization using Python"

Date:- 18th and 19th Jan 2024
Speaker :- Mr. Aditya S Thakare
Audience: TE IT students

DEPARTMENT ACTIVITIES

Guest Lecture

Guest lecture on "Mathematical Foundation for Machine Learning" Date :- 28th March 2024

Speaker :- 1. Mr. L N Pandey.
           2. Mr. Prince
           3. Mr. P Kroshna

Audience: TE IT students

DEPARTMENT ACTIVITIES

ACM Student Chapter

ACM Student Chapter Inauguration
Date: 15th April 2024
Guest: Dr. Sachin Lodha
Audience: IT Students
Venue: Manekshaw Hall

DEPARTMENT ACTIVITIES

Project Competition

Nexus 1.0: Project Competition.
Date: 15th April 2024
Experts: Dr. Roshani Raut, Dr. Abhijit J Patankar, Dr. Anuja Phapale,
Dr. Pragati Mahale, Dr. Sunil B. Mane, Dr. Radhika Kulkarni
and Dr. Aarti Agarkar
Audience: Internal and External Student
Venue: IT and Comp Laboratory

Pimpri-Chinchwad, Maharashtra, India
JV4G+H39, Dighi, Pimpri-Chinchwad, Maharashtra 411015, India
Lat 18.606393°
Long 73.875393°
15/04/24 12:37 PM GMT +05:30

DEPARTMENT ACTIVITIES

Expert Session

Expert Session on "Virtual Reality"
Date:18th April 2024
Speaker:- Dr. Yogesh Deshpande, VIIT, Pune
Audience: SE IT students
Venue: BCJ Hall

Pimpri-Chinchwad, Maharashtra, India
20, St Dnyaneshwar Rd, Runwal Park, Vijay Nagar, Dighi, Pimpri-Chinchwad, Maharashtra 411015, India
Lat 18.607396° Long 73.874844°
Plus Code : 7JCMJV4F+XW
18/04/24 10:16 AM GMT +05:30
Information Technology

GPS Map Camera

75° E

DEPARTMENT ACTIVITIES

Guest Lecture

Guest Lecture on "Current Trends in Processor Architecture"
Date:19th April 2024
Speaker:- Dr. Sushma Patil
Audience: SE IT students
Venue: LH-01

GPS Map Camera

Dighi Hills,Pune, Maharashtra, India
JV4F+GWM, Dighi, Pune, Maharashtra 411015, India
Lat 18.599694°
Long 73.870647°
19/04/24 11:10 AM GMT +05:30

DEPARTMENT ACTIVITIES

Guest Lecture

Guest Lecture on "Computer Networking and Cyber Security"
Date:18th April 2024
Speaker:- Dr. Sumedha Sirsikar
Audience: TE IT students
Venue: LH-01

FDP

Two Weeks Online FDP On "IOT And Ubiquitous Computing For Emerging Technical Applications"
Date: 16th April – 30th April 2024
Speaker: - Mr. Gaurav Singh, Dr. Rupali Bora, Mr. Bhavin Darji, Dr. Sagar Tambe, Dr. Smita Kulkarni, Mr. Ashitosh Chavan, Dr. Kavita Sultanpure, Dr. Priya S and Dr. Shreyas J
Audience: Internal and External Faculty

DEPARTMENT ACTIVITIES

Guest Lecture

Guest Lecture on Interfacing PIC-18
Date: 23rd April 2024
Speaker: - Dr. Avinash Patil
Audience: SE IT students
Venue: LH-01

GPS Map Camera
Dighi Hills,Pune, Maharashtra, India
JV4F+GWM, Dighi, Pune, Maharashtra 411015, India
Lat 18.599694°
Long 73.870647°
23/04/24 11:43 AM GMT +05:30
Google

DEPARTMENT ACTIVITIES

Two Days FDP

FDP on "Generative AI & It's Business Usecases"
Date:- 18th June 2024
Speaker :- Mr. Sandeep Patel
Audience: All Faculty
FDP on "Blockchain & Digital Assets"
Date: 18th June 2024
Speaker :- Mr. Anil Kapoor,
Audience: All Faculty

GPS Map Camera

Dighi Hills, Pune, Maharashtra, India
JV4F+GWM, Dighi, Pune, Maharashtra 411015, India
Lat 18.599694°
Long 73.870647°
18/06/24 11:03 AM GMT +05:30

Google

DEPARTMENT ACTIVITIES

Two Days FDP

FDP on "eLearning Experience Designing Workshop"
Date :- 19th June 2024
Speaker :- Mr. Soumya Pani,
        :- Mrs. Shraddha
Audience: All Faculty

FACULTY ACTIVITIES

Dr. Sangeeta Jadhav

- Research Paper Published "Road Network ExtractionUsing Multi-pathCascade ConvolutionNeural Network fromRemote Sensing Images" on 24th March
- Paper Published "Dual Indicator Random Early Detection for Congestion Control in WSN" on 28th May 2024.

- Paper Published "System for Detection of Specific Learning Disabilities Based on Assessment in Scopus Indexed Journal" on 24th Jan.
- Paper published "Deep Learning Based Traffic Classification with Feature Selection Mechanism and Explainable Artificial Intelligence (Xai)" on 24th May.

Dr. Ashwini Sapkal

Dr. Gajanan Walunjkar

- Paper published Deep Learning Based Traffic Classification with Feature Selection Mechanism and Explainable Artificial Intelligence (Xai)" on May'24.
- NPTEL Patent & IPR.

- Resource person for FOP.
- Internship on "TCS ION Career edge Digital Teacher" 1st Feb 2024

Prof. Vaishali Ingale

Prof. Yuvraj Gholap

- Published Paper on "A Method for Unsupervised ensemble clustering to examine student Behavioral Patterns" on Jan'24.

- Paper Published on System for Detection of Specific Learning Disabilities Based on Assessment in Scopus Indexed Journal on Jan'24.
- Masked Statement Classification in Conversational Text May 24.
- Published a Patent title: "An IoT Based Cervical Cancer Screeching Device" on Date 23rd Feb 2024
- Paper Published on "Deep learning based traffic classification with feature selection mechanism and explainable AI (Xai) (Scopus) " May'24.

Dr. Rupali Bagate

DR. DIPIKA BIRARI
(Asst. Professor)

- Paper Published on "Assessing the Impact of Health policy in forms on vulnerable populations" in Scopus Indexed Journal on Jan 2024.
- Paper Published on "Towards a Holistic approach to chronic Disease Management" in Scopus and ESCI on Jan 24.
- Session Chair at International Conference on Innovation in Technology on 4th March 2024
- Reviewer for IEEE conference sangmner Pune
- Patent Published "Machine Learning embedded heart health monitoring device" on 3rd May 2024
- Session chair for 5th International Conference on Emerging Technologies on 25th May 2024
- Adaptive Learning Technologies for Personalized Research Assistance in Libraries on June'24.
- Paper presented on " Machine Learcning for insider Threat Detection in Cyber security –A comparative analysis on 7th June 2024 in FICTA 2024 Conference

Prof. Anjali Hudedamani

• Patent Published Machine Learning embedded heart health monitoring device" on 3rd May 2024

PLACEMENTS 2023-24

Placement Records

Number Registered	59
Number Placed	53
Highest Salary	51 LPA
Average Salary	12.6 LPA

INTERNSHIP 2023-24

CLASS	NO OF STUDENTS
BE	32
TE	59
SE	4
TOTAL	95

STUDENT ACTIVITIES

VANSH VATSAL
TE-IT

1st in
Indra Model United Nations

STUDENT ACTIVITIES

PRINCE KUMAR
TE-IT

2nd in Privacy Unplugged
7th in YCTF
Finalist in Capture the Flag(IITB)

SHANTANU DIPAK RAJMANE
TE-IT

2nd in EventSync Squad

राष्ट्रीय प्रत्यायन बोर्ड

चौथा तल, ईस्ट टावर, एन. बी. सी. सी. प्लेस, भीष्म पितामह मार्ग, प्रगति विहार, लोधी रोड़, नई दिल्ली -110003

NATIONAL BOARD OF ACCREDITATION

4th Floor, East Tower, NBCC Place, Bhisham Pitamah Marg, Pragati Vihar, Lodhi Road, New Delhi 110003

NBA
NATIONAL BOARD
of ACCREDITATION

File No: 28-321-2010-NBA

Date: 22-12-2022

To,

The Principal,
Army Institute of Technology,
Dighi Hills, Alandi Road,
Pune, Maharashtra-411015.

[Stamp: Army Institute of Technology, Dighi Hills, Pune-411015. Inward No ...14407... Date ...16/01/2023...]

Subject: Accreditation status of UG Engineering programs applied by Army Institute of Technology, Dighi Hills, Alandi Road, Pune, Maharashtra-411015.

Sir,

This has reference to your application I.D. Nos. 6401-21/01/2022, 6402-21/01/2022 and 6403-21/01/2022 seeking accreditation by National Board of Accreditation to UG Engineering programs offered by **Army Institute of Technology, Dighi Hills, Alandi Road, Pune, Maharashtra-411015.**

2. An Expert Team conducted onsite evaluation of the programs from 16th to 18th September, 2022. The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The Competent Authority in NBA has approved the following accreditation status to the programs as given in the table below:

Sl. No.	Name of the Program(s) (UG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Mechanical Engineering	Tier II June 2015 Document	Accredited (750 Marks awarded by the Visiting Team revised to 741 as per the observations made and indicated in the Annexure to this letter)	Academic Years 2022-2023 to 2024-2025 i.e. upto 30-06-2025	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the Competent Authority, whichever is earlier
2.	Electronics and Telecommunication Engineering		Accredited (757 Marks awarded by the Visiting Team revised to 744 as per the observations made and indicated in the Annexure to this letter)		
3.	Information Technology		Accredited		

3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4. The programs have been granted accreditation for 3 years. **Army Institute of Technology, Dighi Hills, Alandi Road, Pune, Maharashtra-411015** should submit the Compliance Report at least six months before the expiry of validity of accreditation mentioned above so as to be eligible for consideration by the concerned Committee in NBA for further processing of the accreditation status.

Contd./...

Tel: +91 11 2436 0620-22, 2436 0654; Telefax: +91 11 4308 4903
Website: http://www.nbaind.org | Email: membersecretary@nbaind.org

INSTITUTE VISION & MISSION

VISION

To become a "Globally Recognised" technical institute providing world class education and research facilities to the wards of Defence personnel.

MISSION

M1: Provide the right environment, to the wards of Defence personnel, for development of physical, intellectual, emotional and spiritual quotients, with a view to produce total quality engineers.

M2:Create an ecosystem which can foster the culture of research, innovation, creative thinking and higher studies.

M3 : Develop an education system which creates entrepreneurs and technology leaders who are committed towards sustainable development of society and nation building.

DEPARTMENT VISION & MISSION

VISION

Towards providing world-class education in Information Technology with societal focus.

MISSION

M1: Empowering students with state of art knowledge and skills to meet global challenges.

M2:To carry out high quality research leading to the creation and commercialization of intellectual property.

M3 : To provide a comprehensive quality infrastructure committed to empower students to contribute technological and social development towards the progress of society.

"Empowering innovation, driving progress—where technology meets vision, and together, we shape the future."

!! YO IT !!