INSPERIA
THE NEWS BULLETIN

Sakeshwar Gramin Vikas Seva Sanstha's

Adsul's Technical Campus ,

Ahmednagar

Department of Computer Engineering

Shri Aniruddha Adsul

Chairman

Dr. P.M .Patil

Principal

Dr. H.B. Jadhav

Head of Department

Vision of Institute

To be a most preferred Rural Technical Campus in the region by creating competent multifaceted Engineers and Professionals ready to serve the industry and society at large.

Mission of Institute

To establish state-of-the-art facilities and create a conducive environment for transforming the rural minds into competent, skilled, professional, researchers, technically sound, innovative aptitude, and ethics through value-based education to develop the nation for global competitiveness.

Objectives of Institute

- To provide quality education with futuristic trends in engineering and technology
- To ensure continual improvement in quality management system
- To impart innovative teaching and learning

Vision of Department

To strive for excellence in the field of Computer engineering through creative problem solving related to societal needs.

Mission of Department

M1. Establish strong fundamentals, domain knowledge and skills among the students with analytical thinking, conceptual knowledge, social awareness, expertise in the latest tools and awareness to advanced software.

M2. Establish leadership skills, team spirit and high ethical values among the students

M3. Guide students towards research and development, and a willingness to learn by connecting themselves to the global society

M4. Encourage students to become free-lancers.

Silent feature of Department

- **Supportive learning for placement:** Placement learning is immersive and iterative. Support in the form of formative tasks and activities are crucial for student success, whilst being mindful of the need to ensure parity of student workload between modules of the same credit weighting. Placement assistance can offer students professional guidance and support to help them build successful careers. Students who might feel overburdened by the job search process might greatly benefit from placement assistance services.
- **Value added courses:** Value Added courses are career and market oriented, skill-enhancing courses that empower the students beyond their domain of study. The certificate programmes enable them to enrich their capability and enhance their employability. Value added courses are conducted for one week during the semester breaks by department faculty and external trainers.
- **Career oriented Add-On Courses:** Job-oriented courses are training and academic courses that prepare professionals for a particular career field or role. A traditional academic course may provide an overview of a certain topic or area, but a job-oriented course focuses on the knowledge and skills required for a particular job.
- **Teacher as Mentor:** The role of the Mentor Teacher is a complex blend of modelling, coaching, instructing, collaborating, and encouraging as candidates build competency in program standards. Mentor Teachers are expected to support candidates in developing the skills and knowledge to meet these standards.
- **Report writing and Paper Presentation:** A report is a specific form of writing, written concisely and clearly and typically organised around identifying and examining issues, events, or findings from a research investigation. Reports often involve investigating and analysing a problem and coming up with a solution.
- **Professional Development for Industrial Engagement:** There are three types of employee engagement: **cognitive**, **emotional**, and **physical**. When employees are cognitively engaged, they're committed to their job, when they're physically engaged, they're invested in their work, and when they're emotionally engaged, they have an emotional connection to their work.
- **Personality Development and Soft Skill Training:** Personality Development teaches us how to communicate and display ourselves as having caring skills. It also emphasizes personal management, grooming, health, and nutrition, as well as soft skills. This course educates students on the numerous aspects of self-development. Soft skills comprise pleasant and appealing personality traits as self-confidence, positive attitude, emotional intelligence, social grace, flexibility, friendliness and effective communication skills. INTENDED AUDIENCE: Students, Teachers, Professionals, Trainers, Leaders, and Employers.

Program Educational Objectives (PEOs)

PEO1: To prepare globally competent graduates having strong fundamentals, domain knowledge, updated with modern technology to provide the effective solutions for engineering problems.

PEO2: To prepare the graduates to work as a committed professionals with strong professional ethics and values, sense of responsibilities, understanding of legal, safety, health, societal, cultural and environmental issues.

PEO3: To prepare committed and motivated graduates with research attitude, lifelong.

PEO4: To prepare the graduates with strong managerial and communication skills to work effectively as individual as well as in teams.

Program Outcomes (POs)

PO-1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering Programs.

PO-2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO-3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO-4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO-5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO-6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO-7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO-8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO-9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO-10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO-11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO-12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

PSO1: Professional Skills: The ability to apply knowledge of problem solving, algorithmic analysis, software Engineering, Data Structures, Networking, Database with modern recent trends to provide the effective solutions for Computer Engineering Problems.

PSO2: Problem-Solving Skills: The ability to inculcate best practices of software and hardware design for delivering quality products useful for the society.

PSO3: Successful Career: The ability to employ modern computer languages, environments, and platforms in creating innovative career paths.

Events

Placement Drive

The Central Placement Cell of ATC was setup in 2011. Since then the cell has grown by leaps and bounds , Since from its inception time, it has been able to convince the top corporate houses & Multi-National companies for the recruitment of the graduating students in engineering and MBA.The Institute conducts rigorous Pre-Placement Training Programs for our students to make them Industry-ready throughout the academic year.

The Institute has partnered with firms to provide the best platforms in the industry to our students. The Institute has tied-up with learning centers & bodies, to improve the student's communication & soft skills. The Institute have also in-house training experts, to train the students in Aptitude, Critical Reasoning, Spoken English, Group Discussions, Technical and HR Interview skills. The faculty members of CDC from varied streams are conducting in-house pre-placement training programs consists of written tests and personal interviews. The already placed graduating students, who are acting as placement volunteers, regularly conducts written tests both on General Aptitude & Technical know-how, Group Discussions & Personal Interviews for the juniors at college campus.

Details of total Placements during 2021-22

Sr. No.	Name of the student Placed	Employee Name
1	Bhusari Madhuri Machindra	**Naygon Technologies Pvt. Ltd**
2	Bramhane Milind Dilip	**TATA Automobiles**
3	Girhe Mayuri Popat	**Ilink Multitech solutions**
4	Gore Shubham Anil	**Big Binary Solutions**
5	Jadhav Anjali Eknath	**DXC. Technologies**
6	Kalsait Diksha Vijay	**Qspider Campus**
7	Karande Priti Suryabhan	**Capgemini, Pune**
8	Kasar Rutuja Vasant	**Pentagoan Pune**
9	Katkade Pravin Babappasaheb	**Pentagoan Pune**
10	Kedare Payal Babasaheb	**Career Labs ,pune**
11	Lokhande Namrata Ravindra	**GlobalStep**
12	Misal Isha Shankar	**Coditas, Pune**
13	Narode Gaurav Vishwanath	**Big Binary Solutions**
14	Nemane Mansi Nandkumar	**DXC. Technologies**
15	Pardeshi Achal Sharad	**Ilink Multitech solutions**

Guest Lectures

Expert lecture on IOT And its Application

The lecture focused on the areas like Cloud Computing, Mobile Sensors, Computer Networks and Information Security. He updated the audience about the developments that are taking place in Adsul's Technical Campus that aim to improve public transportation through mobile sensing

The lecture comprised to theoretical and practical sessions. Use of IoT in modern Smart Cities such as Smart Homes, Smart Transport, Introduction to Fog Computing, How to build IoT Devices were some topics discussed during the lecture.

The participants learnt the planning and creation of IoT Web Applications including the information architecture and user interface. This lecture was an introduction to the world of Internet of Things (IoT) for the participants. For the development of an IoT solution, participants worked on the Raspberry Pi to design and develop practical IoT devices while learning programming and computer hardware. In addition, participants learnt how to set up the Raspberry Pi environment.

Expert lecture on Parallel Computing

The lecture is designed to accompany an imaginary, virtual, undergraduate, one or two semester course on fundamentals of Parallel Computing as well as to serve as background and reference for graduate courses on High-Performance Computing, parallel algorithms and shared-memory multiprocessor programming. They introduce theoretical concepts and tools for expressing, analysing and judging parallel algorithms and, in detail, cover the two most widely used concrete frameworks OpenMP and MPI as well as the threading interface threads for writing parallel programs for either shared or distributed memory parallel computers with emphasis on general concepts and principles.

Industrial Visit

Industrial Visit to V3 Data Solutions, Nashik

Date: 09-10-2021

Resource Person:

Mr. Ganesh Suryawanshi, Chief Operation Officer, Nasik

Articles

CyberJunKies

In 1988, Robert Tappan Morris, a talented computer graduate from Cornell University, unleashed a program onthe internet. Soon every computer in almost every prestigious college was "under attack". This attack wasn't destroying any data but every computer was slowed to death. Computer geniuses worked day and night to remove this threat. Computers had to get wiped and disconnected for weeks. In the end, this outof-control Morris worm caused damage worth FBI involvement. This was just an early case of how dangerous cyber-attacks aregoing to be in the future. Morris worm, Melissa Virus, andBotnet operation are a few examples of what turned into an inspiration for a generation of computer geeks and making Cyber Security a basic need. So, what is Cyber security, and why it is so important? Our systems are connected 24/7 to the internet, to the wid6e world of theinternet. With a rapidly increasing number of users, this world evolves itself every second. We store a substantial amount of data on the internet. Government, social media, and financial organizations, all collect and accumulate data on computers and servers. Most of this data can besensitive like personal information

With all these things exposed to this growing world, what if some unauthorized user accesses this data? There is a chance of getting this precious and sensitive information changed or destroyed. When someone gains unauthorized passage to our system or databases using special software skills or taking advantage of security vulnerabilities what we call hacking, can be vicious. And this is where cyber security comes in. Cyber security is something we have designed to protect data that you intended to keep shielded from getting exposed to the not-so-innocent world of the internet. Disrupting our computer systems, data getting breached online, brutal threats on servers, yes it can all be prevented with cyber security. A successful defense can be provided against Interrupting business processes and destroying sensitive information. Effective Cyber security involves technologies and practices for protecting the digital.

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-By Chaudhari Divya Ashok
TE Computer Engineering

ARTIFICIAL INTELLIGENCE

Artificial Intelligence-Face Recognition Ever wondered how it is done while unlocking your phone or watching it in movies? It is a basic application of AI and quite simple too, all you need is some basic knowledge of Python.

OpenCV is an open-source python library that provides tools for Computer Vision. Having said that, have you wondered what is the data type of an image or a video? Let's find out... OpenCV helps in image manipulation like converting your image from a BGR scale (Blue-Green-Red scale) to Grayscale images or helps to increase certain pixel values in the picture, blur the images or sharpen them, resize the images, background removal, and object detection in addition to face detection and recognition. All this can be done not just with images but on videos and live feeds from webcams as well.

But how is it done?

A computer reads the image in the form of pixels. Each pixel has 3 channels for the colors blue, green, and red which range from 0 to 255.Different combination of these values produces different colors. Manipulating these pixel values, we can make changes in the picture and also, perform recognition based on these values.

Since an image is stored in the form of pixels, the data type of an image is a NumPy array of these pixel values. Using Numpy, we can modify our images in OpenCV. Face detection can be done by detecting the eyes, and nose of a person, and then Recognition can be done by measuring the distance between the eyes, the shape of the face, and other such factors.

Iris recognition for Aadhaar card verification, and face locks in our phones are some basic examples of Face and Object Detection and Recognition using OpenCV

-by Shinde Pranjali Popat

FACULTY ACHIEVEMENT

WISDOM SPROUTS
IT TRAINING HUB

CERTIFICATE OF COMPLETION
HAS BEEN PRESENTED TO

MAHANDULE SANKET DATTATRAY

FOR SUCCESSFULLY COMPLETING THE "MERN WEB DEVELOPMENT" CRASH COURSE AT WISDOM SPROUTS IT TRAINING HUB, PUNE. FROM "1ST FEBRUARY 2023 "TO "24TH FEBRUARY 2023" HIS/ HER PERFORMANCE HAS BEEN SATISFACTORY SO AS TO FULFILL THE REQUIREMENTS FOR SUCCESSFUL COMPLETION OF THE TRAINING.

IN TESTIMONY THEREOF, THIS CERTIFICATE IS AWARDED ON THE 27TH OF FEBRUARY,2023

MR. SWAPNEEL PETKAR
(MANAGING DIRECTOR, WISDOM SPROUTS)

WS230066

MOOC CERTIFICATE

NXT WAVE

Certificate of Participation

VERIFIED ACHIEVEMENT

Issued to

Vaishnavi Tupe

for participating in the workshop 'AI for Students: Build Your Own Generative AI Model' conducted by AI expert and IIT Delhi alumnus, Mr. Trivikrama. The workshop is designed to equip students with skills essential in the AI era.

Issue Date: March 06, 2024

Rahul A
CEO, NxtWave

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PROJECT COMPITITION

A day well spent

A day was spent alone That day was spent vibing with my

own Morning,

My mood glows up And the bright fire I burn Seven birds

come singing to me,

The linnets of the moon Evening, As far as the eye can see the way the changed leaves Flapping their

yellow underbellies in the wind Night, The chill moon bought me peace,

And the bright stars that abolished crease And here's I felt like the day could freeze In point of fact the day had to quell But was spent well

-By Prof. Mahajan J. R.
Department of Computer Engineering

Students Achievements

VIRTUALLY TESTING FOUNDATION

Certificate of Completion

THIS CERTIFICATE IS AWARDED TO

Avinash Chavan

for successfully completing the 1st week of a 10-week internship program.

PRINCE KHUNT
OPERATIONS MANAGER, VTF

MALLORY VEGA
OPERATIONS DIRECTOR, VTF

NOTE: This is not a 10-week internship completion certificate, but only 1 week completion.
Verify at https://verification.givemycertificate.com/v/1d994e51-f0f2-4881-818c-cbb0632002a0

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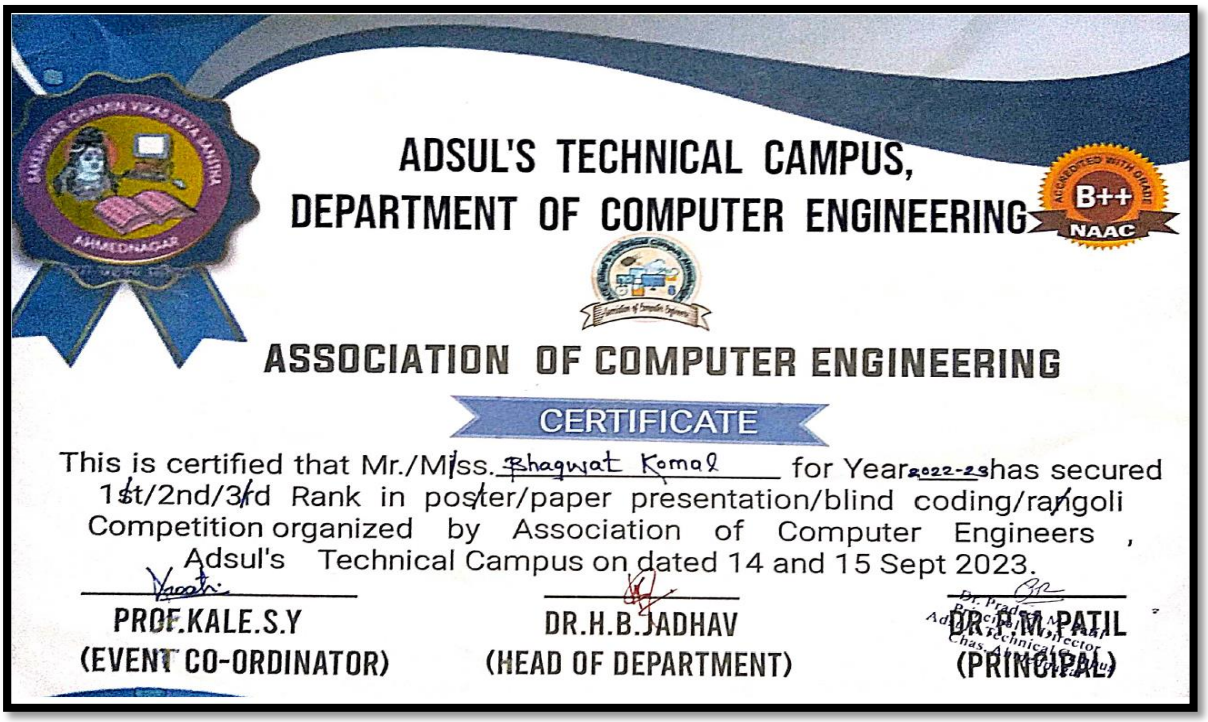
Certificate Of Participation in Virtually Testing Foundation



ADSUL'S TECHNICAL CAMPUS,
DEPARTMENT OF COMPUTER ENGINEERING

ACCREDITED WITH GRADE B++ NAAC

ASSOCIATION OF COMPUTER ENGINEERING

CERTIFICATE

This is certified that Mr./Miss. Bhagwat Komal for Year 2022-23 has secured 1st/2nd/3rd Rank in poster/paper presentation/blind coding/rangoli Competition organized by Association of Computer Engineers , Adsul's Technical Campus on dated 14 and 15 Sept 2023.

PROF.KALE.S.Y
(EVENT CO-ORDINATOR)

DR.H.B.JADHAV
(HEAD OF DEPARTMENT)

DR.P.M.PATIL
(PRINCIPAL)

Winner in Poster Presentation Competition

Faculty's Achievements

Faculty Name	Achievement's
Prof. Kale S.Y.	Recent Trends In Wireless Network In Online Webinar
Prof. Dhakne V.N.	Three Days Online FDP on "System Programming and Operating System"
Prof.Mahajan J.R.	Recent Trandes in Wireless Network
Prof.Dhotare P.T.	Recent Trandes in Wireless Network
Prof.Dhotare P.T.	Recent Trandes in Wireless Network
Prof.Shimpi J.K.	One-week Faculty Development Program on "Multi-Technologies"
Prof.Bhondave S.D	Recent Trandes in Wireless Network
Prof.Kale S.Y.	Published a Research Paper Entitled-Ransom ware Defense System and Data Recovery Techniques Powered By SSD
Dr. Khan S.S.	Best Paper Award at national Conference on "Recent Trends in Computer Applications" Organized by Department of Computer Engineering, Jagdamba College of Engineering & Technology, Yavatmal, Maharashtra in May 24, 2021.

Faculty's Achievements

ORIENTAL INSTITUTE OF SCIENCE & TECHNOLOGY, BHOPAL

(NBA Accredited: CSE | EC | ME | EX | CE)
Approved by AICTE, New Delhi & Govt. of M.P.
Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
Oriental Campus, Opp. Patel Nagar, Raisen Road, Bhopal-462022 (M.P.) INDIA
Email: directoroist@orientalsc.in Website: www.orientalsc.in

CERTIFICATE
OF APPRECIATION

Prof. Dhotre P.T

This certificate is awarded to

from Adsul's Technical Campus Chas, Ahmednagar for his contribution as a speaker on the topic Recent Trends in Wireless Network in Online Webinar organized by Department of Information Technology, Oriental Institute of Science and Technology Bhopal, held on 27th July 2021

Dr Rajesh K Shukla
Director

International Journal of Advance Scientific Research and Engineering Trends

Peer-Reviewed Multi-Disciplinary Research Journal

ISSN(ONLINE):2456-0774

IMPACT FACTOR 6.228

Certificate

This is to certify that
Kale S. Y.

Dept of Computer Science, Vishwabharti Academy's of Engineering, Ahmednagar

Published a Research Paper Entitled

Ransomware Defense System and Data Recovery Techniques Powered by SSD

in IJASRET, Volume 5, Issue 12, June 2021

Certificate No :IJASRET300239

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IJASRET
Editor-in-Chief

Sinhgad Technical Education Society's
Sinhgad College of Engineering, Vadgaon(Bk), Pune
Department of Computer Engineering

Sinhgad Institutes

Three days Online FDP on
"System Programming and Operating System"

Certificate

This is to certify that

Prof.Dhakane V N

has participated in three days Faculty Development Program on

"SYSTEM PROGRAMMING AND OPERATING SYSTEM (Theory and Laboratory)"

organized in association with Board of Studies (Computer Engineering), Savitribai Phule Pune University, Pune

from 05/08/2021 to 07/08/2021.

Prof. M. P. Wankhade	Dr. Pramod Patil	Dr. Varsha Patil	Dr. S. D. Lokhande
Head of Department, (Computer Engineering) SCOE, Pune	Member, BoS, (Computer Engineering) SPPU	Chairman, BoS, (Computer Engineering) SPPU	Principal, SCOE, Vadgaon(Bk) Pune

Gallery


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वर्धापन दिन
सोहळा