DIRECTOR'S DESK

Hon.Achyut SawantBhonsale

Dear Avishkar Readers, Welcome to our newsletter! Avishkar at Yashwantrao Bhonsale Institute of Technology is more than just a publication; it's a platform for our Computer Diploma students to thrive.

In a rapidly evolving technological landscape, our program equips you with essential skills.

Our diverse community fosters creativity and innovation. In this edition, you'll find articles, tutorials, and insights crafted just for you.

Thanks to our dedicated team for their hard work. Let's shape the future of technology together.

Warm regards ⭐⭐⭐

❋ Editorial Committee ❋

Editor in Chief
Mr. G. A. Bhosale (Principal)

Co-Ordinator
Mrs. N. N. Sandye (Lecturer)

Departmental Faculty Member
Mr. T.C. Mhapankar (Lecturer)

OUR VISION

To Produce Ethical and Knowledgeable Diploma Holders in Computer Engineering

OUR MISSION

Mission 01
To provide students with curriculum and industry based teaching learning process.

Mission 02
To encourage faculty and students to participate in industry academic events.

Mission 03
To provide social platform that generate ethical and entrepreneurship skill in students.

Computer Department as Champion

: 03 FEBRUARY 2024

It seems like you're sharing some exciting news about Computer Diploma students winning the general championship for both boys and girls. Congratulations to the students and their achievements! Winning a general championship is a remarkable accomplishment and reflects the dedication, hard work, and talent of the individuals and the support they received from their educators and peers. Such victories not only showcase the capabilities of the students but also contribute to the positive reputation of the educational institution they represent. It's a moment of pride for everyone involved, and it highlights the significance of computer education in shaping the skills and abilities of the next generation.

VICE-PRINCIPAL'S DESK
Mr.G.A.Bhosale

Dear Avishkar Readers, Greetings!

It's with immense pleasure that I welcome you to the latest edition of Avishkar, representing the Computer Diploma program at Yashwantrao Bhonsale Institute of Technology.

As technology continues to advance, our program stands as a beacon, empowering students with the skills necessary for success. Avishkar serves not only as a newsletter but as a testament to our commitment to fostering innovation and excellence.

My sincere appreciation goes to the dedicated team behind Avishkar, whose hard work has brought this edition to life.

Best Regards, ⭐⭐⭐

Industrial Visit at SIB Incubation center ,Kolhapur

: 10 FEBRUARY 2024

HOD'S DESK
Mr.P.D.Kate

Third year Diploma computer engineering students visited 'Siddham Innovation and Business Incubation center ,Kolhapur '.the first incubation Center in Kolhapur district and western region .

During the visit students were very well guided by the Mr Satyam Shinde, Mr.Ansari sir and his team. In this visit students were actually learned the meaning of incubation, Incubation process, the IT project incubation,and the funding process for these type of startup or ideas .Students were also get the actual process ,practical work and project implementation in incubation centre, Students raised many doubts during the visit. Visit was very beneficial for all students in order to gain knowledge about incubation and Entrepreneurship regarding with computer related ideas and startup .Total 57 students were present for this visit .The entire visit is successfully organized and conducted by the faculty members Mr. S.M.Mayekar, Mrs.Teja Gavandi ,Miss.Grishma Desai and Mr.Vishwanath Gawade

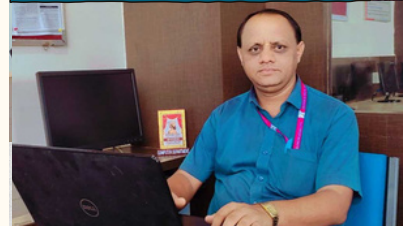## Guest Lecture on Latest Trends in Information Tech

: 13 JANUARY 2024

Under the Guidance of honourable Head of Department Mr P.D.kate ;Department of Computer Engineering had successfully arranged Expert Lecture on Safely Unleashing the Power of AI: Bolstering Data Security for Robust Systems

Mr. Amresh P Satose ,HOD Computer Science Department,Kankavli college Kankavli was the resource person.The Head of Computer Department Mr. P.D.Kate welcomed the guest with a bouquet of flowers. Then Mr T.C.Mhapankar introduced the guest to the students and then the session started .Sir explained the power of AI in various fields, in very simple and understandable language. He also explained how to protect your data and network from cyber threats.150 students attended this session and all the

computer department staff were present.

Dear Avishkar Readers, Greetings!

I extend a warm welcome to you all in this edition of Avishkar, spotlighting the accomplishments and insights of our vibrant Computer Ddiploma program at Yashwantrao Bhonsale Institute of Technology.

As the Head of the Department, I am delighted to witness the enthusiasm and dedication of our students. Avishkar is not just a newsletter; it's a testament to our collective pursuit of knowledge and innovation.

In these pages, you will find valuable resources, including articles, tutorials, and perspectives that aim to enhance your understanding of the dynamic field of computer technology.

A special acknowledgment to the contributors and the editorial team for their commitment to making Avishkar a valuable resource for our community.

Best Regards ⭐⭐⭐

Toppers Winter 2023 Exam

| Vidhi Kotnis | Yogesh Sharma | Suman Manjrekar | Vaibhavi Gosavi | Khushi Kerkar | Leena Chavan | Arya Parab | Pooja Sarmalkar | Staphy Monteiro | Suyash Kerkar | Sonal gawade |

First Year A | First Year B | Second Year A | Second Year B | Third Year

Yashwantrao Bhonsale
Institute of Technology

PROJECT COMPETITION at TECHEXCELLENCE 2K24

industrial visit at iNET SOLUTION

:09 MARCH 2024

YBIT (Diploma)organizes 'TECHXELLENCE 2K24' - a State Level Project Competition Event for Computer programs.It provides platform for students to go beyond their academic and explore their hidden talent. It is meant to motivate the students for doing project work in technical field.

This was a State Level ISTE approved self-financed event. Principal Dr. Raman Bane, Vice-Principle Gajanan Bhosale, jury members - Aditya Vardam from SPK Sawantwadi, and Manoj Khadilkar from YBIT were present on the occasion. In this 'TECHXELLENCE 2K24' - Computer department organized project competition.

In the project competition of Computer department total 20 teams participated. The evaluation of project is done by both jury members according to rubrics. For this Technical Project Competition total 2 colleges participates these are YBIT and Dr.D.Y.Patil Polytechnic, Kasba Bavda, Kolhapur out of these and the Winners are from YBIT whereas runners up are from Dr.D.Y.Patil Polytechnic, Kasba Bavda, Kolhapur.

All the successful teams were felicitated with Memento, certificates and cash prizes of Rs.3000 & Rs.2000 respectively. Advocate Asmita Sawant Bhonsle, chairperson of Shri Yashwantrao Bhonsale Education Society & Sunetra Fatak, administrative coordinator was present for the valedictory function.

:12 JANUARY 2024

Second year Division B Diploma computer engineering students were visited iNet Solution,Sawantwadi the leading Network provider in the Sindhudurg district .During the visit students were very well guided by the Mr Aniket sawant and his team.

In this visit students observed actualbroadcasting,Networking Devices,Networkingcables,signalTransmission,Device Maintenance,servers, Networking devicemanagement.Students . The entire visit is successfully organized and conducted by the faculty members Mr. S.M.Mayekar,Mrs.T.V.Gawandi, Mr.Bhushan B Sawant

Current final Year student's got selected at INFIPRE

Vrunda Gawade   Akshata Lataye   Aniket Gawas   Lajari Narvekar   Arya Prabhudesai   Narayan Dinanekar   Staphy Monterio

NEWSLETTER

State Level Science Exhibition 2023-24
organised by: GOV of maharashtra and YBIS

:10 to 15 FEBRUARY 2024

Our Third Year Computer Engineering student's present project's in a science exhibition.

Industrial Visit at iNET SOLUTION

:17 JANUARY 2024

Second year Division A Diploma Computer Engineering students were visited iNet Solution,Sawantwadi the leading Network provider in the Sindhudurg district

During the visit students were very well guided by the Mr Aniket sawant and his team.In this visit students observed actual broadcasting,Networking Devices,Networkingcables, signalTransmission,Device Maintenance,servers,

Visit was very beneficial for all students in order to gain hands-on practices about the splicing of Fibre optics cable and Data Distribution.

🏅WINNER🏅
of PROJECT EXPO2K24

:16 FEBRUARY 2024

Heartily Congratulations to Third Year Computer Engineering students from YBIT(Diploma Wing), Ludbe Omkar Sainath, Monteiro Staphyrose Peter, Sawal Paras Deepak, Sawant Devang Mahindra and Sawant Devang Umesh for winning 1st prize of Rs 7k,medal and trophy in project competition Project Expo 2k24 held at SPK Mahavidyalay Sawantwadi Organize by Department of Information Technology for the project" 'Smart Classroom' under the guidance of Ms. Gawandi T.V. And project incharge R.C.Dhandekar. Congratulations on your incredible success!

⭐⭐⭐⭐⭐⭐⭐⭐⭐

Current final Year student's got selected at Annapurna Techsource

Aniket Gawas

Vasant Gawde

Duhita Aeer

Pranay Mestry

Paras Sawal

Sneha Sawant

Winners 👉of KIMO Tech Skill academy's quiz contest

Yashwantrao Bhonsale
Institute of Technology

STUDENTS CORNER

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Cybersecurity: The Backbone of the Digital World
– Paras Sawal
In today's hyper-connected world, where every click and keystroke is stored somewhere on a server, cybersecurity is no longer an optional field—it is a necessity. As a student in the Computer Department, I have come to understand that technology's convenience also opens up vulnerabilities that can be exploited if not properly secured.

My journey into cybersecurity began when I attended a workshop on ethical hacking at our college. It introduced me to real-world scenarios of data breaches and network attacks. I learned how hackers operate, how firewalls and intrusion detection systems work, and how critical it is to write secure code. I started experimenting with tools like Wireshark and Kali Linux, which gave me hands-on experience in monitoring and securing network traffic.

I am passionate about exploring advanced areas such as cryptography, digital forensics, and secure software development. My goal is to pursue higher education in cybersecurity and contribute towards making digital platforms safer for everyone. We live in a digital era, and it is our duty as budding professionals to ensure that technology remains a safe space for all users.

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Smart Technology for Sustainable Living
– Monetrio Tephyrose
As the world faces climate change, resource depletion, and population growth, the role of technology in creating sustainable solutions has never been more important. Being a student of computer science, I see an incredible opportunity to use my skills for environmental good.

Recently, I worked on a project involving an IoT-based smart irrigation system. Using sensors and a microcontroller, our system could detect soil moisture levels and automate watering based on need. This project taught me how smart technologies can conserve water—an essential resource—especially in agriculture. It also highlighted the importance of combining hardware knowledge with software development to create real-world solutions.

Sustainable technology isn't just a concept—it's a necessity. From smart homes that reduce energy usage to AI models that optimize traffic flow and reduce pollution, the possibilities are endless. At our college, we're constantly encouraged to think beyond theory and look at how we can apply our knowledge to real-life issues.

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Yashwantrao Bhonsale
Institute of Technology