Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

*(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)*

Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu
NAAC Accredited with A++

## Department of Information Technology

**Vision of the Department**

To become a well-recognized destination of academic excellence for pursuing Information Technology.

**Mission of the Department**

To shape competent, responsible, ethical Information Technology professionals in a facilitative learning environment by inculcating out of box thinking, computational skills and problem- solving abilities.

# REPORT

## iTECHROOTS 14.o:



Department of Information Technology, YCCE Nagpur had organized Two days National level Technical Fest "iTECHROOTS 14.o" during 23th-24th August 2024, under the banner of SPIRIT - Computer Society of India (CSI), New Delhi. The convener of the Technical Fest was Dr. Rajesh Dharmik , Head of Information Technology Department. The Chief Guest of the program was Dr. Rajesh Dharmik . The Technical Fest was coordinated by Prof. Amol Gaikwad , co-coordinated byProf.SnehaV.Tiparkar. The Various events conducted in "iTECHROOTS 14.o", were Beat the Mark,Fix-a-Thom,Quiz Mania,Web Designing Jam,Hackathon,Mystic Rhythm,Photo Arena ,Poster Design ,Box Cricket,Futsal ,Chess. Apart from events the workshop on AI Powered Block Chain Development , Web 3, NFT'S and Smart Contracts , Projectto Enterpernership , Autonomous Agent and Deep Learning were also organized for the Students.

Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

*(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)*

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

NAAC Accredited with A++

## Department of Information Technology

**Vision of the Department**

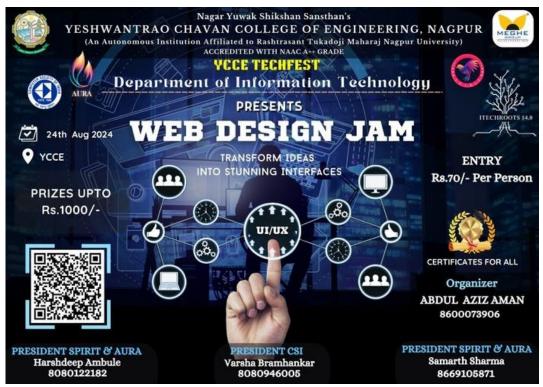To become a well-recognized destination of academic excellence for pursuing Information Technology.

**Mission of the Department**

To shape competent, responsible, ethical Information Technology professionals in a facilitative learning environment by inculcating out of box thinking, computational skills and problem- solving abilities.

Around 700 students from YCCE, GHRCE, St. Vincent Palloti, SB Jain, SDMP, RGCER, KDK, G.H. Riasoni polytechnic and other engineering colleges participated in the Technical Fest. The program was aimed to provide a platform for the students to exhibit their talent in various technical and nontechnical events. The program concluded with awarding prizes, mementos, and certificates to the winners and participants of various events.

## Events conducted under iTECHROOTS 14.o

### 1. Web Designing Jam



Department of Information Technology, YCCE Nagpur has organized Two days National level Technical Fest "iTECHROOTS 14.0" during 23th –24th August 2024 under the banner of SPIRIT - Computer Society of India (CSI), New Delhi.

Web designing Jam is essential to the internet as we know it. Learn what this activity involves, the main reasons why it is important, and the necessary skills to achieve quality.

By using HTML code to program websites and CSS to standardize its visual language, web design professionals are responsible for building digital experiences to be used by the public. The aim is to deliver a quality experience to the audience and help the business reach its goals.

Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

*(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)*

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

NAAC Accredited with A++

## Department of Information Technology

**Vision of the Department**

To become a well-recognized destination of academic excellence for pursuing Information Technology.

**Mission of the Department**

To shape competent, responsible, ethical Information Technology professionals in a facilitative learning environment by inculcating out of box thinking, computational skills and problem- solving abilities.

The hackathon was a vibrant and exhilarating experience. Participants were immersed in a collaborative and competitive environment. The atmosphere was buzzing with energy as teams worked tirelessly to bring their ideas to life.

## 2. ARM WRESTLING



Arm wrestling (also spelled armwrestling) is a sport with two opponents who face each other with their bent elbows placed on a table and hands firmly gripped, who then attempt to force the opponent's hand down to the table top ("pin" them). The sport is often casually used to demonstrate the stronger person between two or more people. Arm wrestling is an ancient sport that was revived in the 1950s in the United States. In September 1962, the first world wrestling championship was held in Petaluma, California, as this wrestling was called (literally, "wrist wrestling").

Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

*(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)*

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

NAAC Accredited with A++

## Department of Information Technology

**Vision of the Department**

To become a well-recognized destination of academic excellence for pursuing Information Technology.

**Mission of the Department**

To shape competent, responsible, ethical Information Technology professionals in a facilitative learning environment by inculcating out of box thinking, computational skills and problem- solving abilities.

## 3. BEAT THE MARK



Department of Information Technology, YCCE Nagpur has organized Two days National level Technical Fest "iTECHROOTS 14.o" during 24ᵗʰ August 2024 under the banner of SPIRIT - Computer Society of India (CSI), New Delhi.

Beat Your Mark (BYM) provides a social media and application platform for all athletes seeking a vertically focused environment around their sporting activities from social to competitive raining for events, as well as managing their equipment, and their latest rankings.

Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

*(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)*

Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu
NAAC Accredited with A++

## Department of Information Technology

**Vision of the Department**

To become a well-recognized destination of academic excellence for pursuing Information Technology.

**Mission of the Department**

To shape competent, responsible, ethical Information Technology professionals in a facilitative learning environment by inculcating out of box thinking, computational skills and problem- solving abilities.

## 4. BOX CRICKET



Department of Information Technology, YCCE Nagpur has organized Two days National level Technical Fest "iTECHROOTS 14.o" during 23th to 24th August 2024 under the banner of SPIRIT - Computer Society of India (CSI), New Delhi.

Box cricket uses lightweight and modified equipment compared to traditional cricket. Bats are smaller and lighter, balls are softer, and wickets are often replaced with designated target areas. This simplification allows for fast-paced and dynamic gameplay in limited spaces.

Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

*(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)*

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

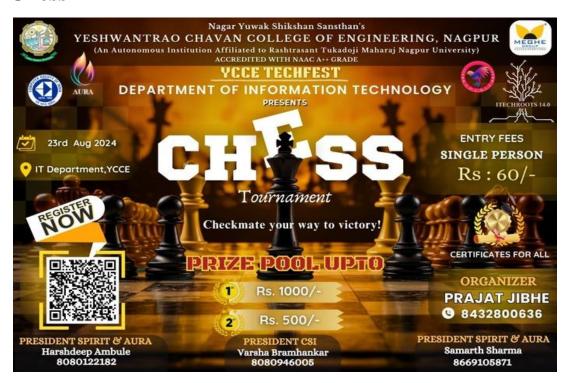NAAC Accredited with A++

## Department of Information Technology

**Vision of the Department**

To become a well-recognized destination of academic excellence for pursuing Information Technology.

**Mission of the Department**

To shape competent, responsible, ethical Information Technology professionals in a facilitative learning environment by inculcating out of box thinking, computational skills and problem- solving abilities.

## 5. Chess



Department of Information Technology, YCCE Nagpur has organized Two days National level Technical Fest "iTECHROOTS 14.O" during 23th – 24th August 2024 under the banner of SPIRIT - Computer Society of India (CSI), New Delhi.

CHESS is a game for 2 players each of whom moves 16 pieces according to fixed rules across a checkerboard and tries to checkmate the opponent's king.

Chess is one of the oldest board games in the world, and also one of the most popular. Whether you want to learn chess to play casual games with your friends or to enter competitions, in this article you can learn all the information you need to know about the royal game.

Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

*(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)*

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

NAAC Accredited with A++

## Department of Information Technology

**Vision of the Department**

To become a well-recognized destination of academic excellence for pursuing Information Technology.

**Mission of the Department**

To shape competent, responsible, ethical Information Technology professionals in a facilitative learning environment by inculcating out of box thinking, computational skills and problem- solving abilities.

## 6. Futsal



Department of Information Technology, YCCE Nagpur has organized Two days FutSal "iTECHROOTS 14.o" during 23$^{th}$ –24$^{th}$ August 2024 .

Futsal is the FIFA-recognised form of small-sided indoor football.  It is played between two teams who each have five players on the pitch at any one time, with rolling substitutes and a smaller ball than soccer that is harder and less bouncy.

The small amount of space means players must have great technique and skill, and as well as a professional sport in its own right with national and international championships, it is also considered a development tool for 11-a-side football.

Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

*(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)*

Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu
NAAC Accredited with A++

## Department of Information Technology

**Vision of the Department**

To become a well-recognized destination of academic excellence for pursuing Information Technology.

**Mission of the Department**

To shape competent, responsible, ethical Information Technology professionals in a facilitative learning environment by inculcating out of box thinking, computational skills and problem- solving abilities.

## 7. Hackathon



Department of Information Technology, YCCE Nagpur has organized three days National level Technical Fest "iTECHROOTS 14.0" during 23th – 24th August 2024 under the banner of SPIRIT - Computer Society of India (CSI), New Delhi.

A hackathon, also known as a codefest, is a social coding event that brings computer programmers and other interested people together to improve upon or build a new software program.

The word hackathon is a portmanteau of the words hacker, which means clever programmer, and marathon, an event marked by endurance. The concept of the hackathon, also called a hack day or hack fest, was born out of the open source community.

Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

*(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)*

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

NAAC Accredited with A++

## Department of Information Technology

**Vision of the Department**

To become a well-recognized destination of academic excellence for pursuing Information Technology.

**Mission of the Department**

To shape competent, responsible, ethical Information Technology professionals in a facilitative learning environment by inculcating out of box thinking, computational skills and problem- solving abilities.

8. # Mystic Rythm



Department of Information Technology, YCCE Nagpur has organized Three days National level Technical Fest "iTECHROOTS 14.0" during 23th – 24th August 2024 under the banner of SPIRIT - Computer Society of India (CSI), New Delhi.

In iTECHROOTS 14.0," Mystic Rythm" Each participant has to perform before the judges, where up on they are given 90 seconds to demonstrate their act, with a live audience present for all performances. At the end of a performance, the judges give constructive criticism and feedback about what they saw, whereupon they each give a vote - a participant who receives a majority vote approving their performance, moves on to the next stage, otherwise they are eliminated from the show at that stage.

Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

*(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)*

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

NAAC Accredited with A++

## Department of Information Technology

**Vision of the Department**

To become a well-recognized destination of academic excellence for pursuing Information Technology.

**Mission of the Department**

To shape competent, responsible, ethical Information Technology professionals in a facilitative learning environment by inculcating out of box thinking, computational skills and problem- solving abilities.

## 9. Photo Arena



Department of Information Technology, YCCE Nagpur has organized Two days National level Technical Fest "iTECHROOTS 14.o" during 23$^{th}$ –24$^{th}$ August 2024 under the banner of SPIRIT - Computer Society of India (CSI), New Delhi.

The aims of Arena are to promote the highest standards of photography, to encourage print-making, to show and discuss new work and new photographers, to invite speakers who excel in their photographic and artistic fields and to promote constructive debate. Photo Arena is a smartphone photography is all about collecting photons (light) and converting them into electrons (image).

Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering
*(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)*
Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu
NAAC Accredited with A++

## Department of Information Technology

**Vision of the Department**
To become a well-recognized destination of academic excellence for pursuing Information Technology.

**Mission of the Department**
To shape competent, responsible, ethical Information Technology professionals in a facilitative learning environment by inculcating out of box thinking, computational skills and problem- solving abilities.

# 10.Poster Designing



Department of Information Technology, YCCE Nagpur has organized Two days National level Technical Fest "iTECHROOTS 14.0" during 23th – 24th August 2024 under the banner of SPIRIT - Computer Society of India (CSI), New Delhi.

A poster design competition in an engineering college's technical event is a creative contest where students showcase their design skills by crafting posters that visually communicate technical concepts or event themes. Participants use tools like Adobe Photoshop, Illustrator, or Canva to create impactful, informative, and aesthetically pleasing posters. Judging criteria typically include creativity, clarity, relevance to the theme, and overall presentation. This competition not only encourages innovation but also enhances participants' ability to convey complex ideas visually, making it an essential part of a well-rounded technical fest.

Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering
*(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)*
Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu
NAAC Accredited with A++

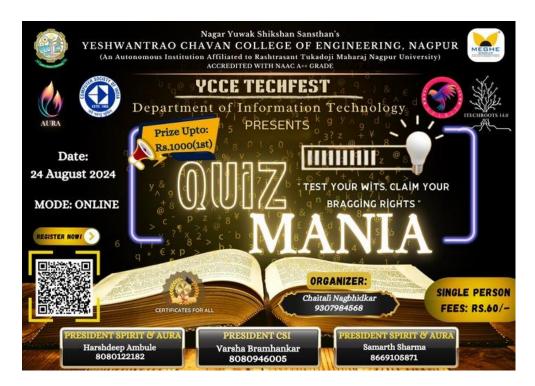## Department of Information Technology

**Vision of the Department**
To become a well-recognized destination of academic excellence for pursuing Information Technology.

**Mission of the Department**
To shape competent, responsible, ethical Information Technology professionals in a facilitative learning environment by inculcating out of box thinking, computational skills and problem- solving abilities.

---

## 11. Quiz Mania



Department of Information Technology, YCCE Nagpur has organized Two days National level Technical Fest " iTECHROOTS 14.o " during $23^{th}$ – $24^{th}$ 2024 under the banner of SPIRIT - Computer Society of India (CSI), New Delhi.

Quiz mania is essentially an Android-based quiz game across six categories, aimed at brushing up and enhancing the general knowledge and awareness of the user. The main objective is to provide a base for the foundation of the project. It gives a comprehensive view of how the system is supposed to work and what is to be expected by the end users. Client's expectation and requirements are analyzed to produce specific unambiguous functional and non-functional requirements, so they can be used by development team with clear understanding to build a system as per end user needs. This SRS for Quiz mania can also be used for future as basis for detailed understanding on how the project was started. It provides a blueprint to upcoming new developers

and maintenance teams to assist in maintaining and modifying this project as per required changeability.

Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

*(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)*

Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu
NAAC Accredited with A++

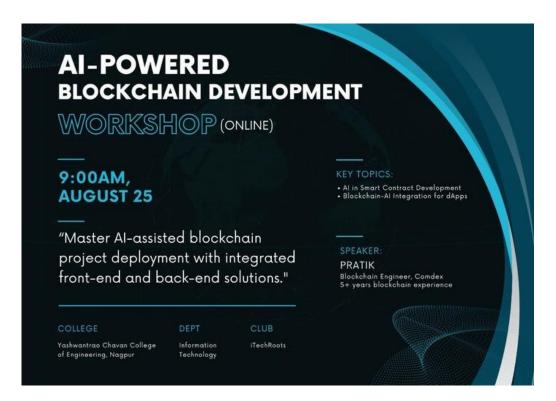## Department of Information Technology

**Vision of the Department**
To become a well-recognized destination of academic excellence for pursuing Information Technology.

**Mission of the Department**
To shape competent, responsible, ethical Information Technology professionals in a facilitative learning environment by inculcating out of box thinking, computational skills and problem- solving abilities.

## 12. Workshop on AI Powered Blockchain Development



Department of Information Technology, YCCE Nagpur has organized Two days National level Technical Fest "iTECHROOTS 14.0" during 25th August 2024 under the banner of SPIRIT - Computer Society of India (CSI), New Delhi.

In iTECHROOTS 14.0, "Workshop on AI Powerwd Blockchain Development " was held at YCCE in offline mode. The Workshop was conducted by our guest 'Mr. Pratik '. Sir was welcomed by 'Mrs.Snehal V.Tiparkar ' ma'am with a bouquet. The Workshop started at 01:00 PM . at Information Technology Department on 25th August Sir explained the basic concepts of AI Powerwd Blockchain Development through presentation and demos. Around 37 students participated in the Workshop on AI Powerwd Blockchain Development . The program was aimed to provide students knowledge about AI Powerwd Blockchain Development Sir Conducted two session in 1st Session sir Demonstrate the what is AI Powerwd Blockchain Development and how it works? , key Components : Blocks , Transactions and Consensus , also explain(BFT) Byzantinje Fault Tolerance in Blockchain .2nd Session Hands on Activity , Setting up a simple private Blockchain , Adding Transaction to Block, Mining blocks.This workshop was followed by a Question and Answer session in which participants asked doubts regarding the Blockchain Development . The workshop ended at 04:00 P.m

Nagar Yuwak Shikshan Sanstha's

# Yeshwantrao Chavan College of Engineering

*(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)*

Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu
NAAC Accredited with A++

## Department of Information Technology

**Vision of the Department**

To become a well-recognized destination of academic excellence for pursuing Information Technology.

**Mission of the Department**

To shape competent, responsible, ethical Information Technology professionals in a facilitative learning environment by inculcating out of box thinking, computational skills and problem- solving abilities.

## Glimpses of **iTechroots 14.0**