



ASHOKRAO MANE POLYTECHNIC



DEPARTMENT OF COMPUTER ENGINEERING

Vol-8:Issue-1, JULY 2023 to DECEMBER 2023

THEME: "BLOCK CHAIN TECHNOLOGY"

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- Mrs. S. K. Beladar
- Ms. S. I. Mulla
- Mrs. P. D. Patil
- Diptesh Dange
- Niharika Tiwari



About Institute

Having accomplished high reputation in western part of Maharashtra state as on today, it is imperative to look back to the development of ASHOKRAO MANE POLYTECHNIC on time scale from its just born state in the year 2008. With a view to make available enormous opportunities for the rural masses in higher technical education, we have well connected place at vathar tarf vadgaon, District – Kolhapur. In 2008, the year of its inception, the college started more or less in just a make shift type of structure. Despite of obvious hardships of infancy, the management, went ahead with constructing a full fledged building at once. With the fastest speed, the construction was completed at the start of the year 2008. The classes had in fact started in the new building since academic year 2008-09.

About Department

Department of Computer Engineering in Ashokrao Mane Polytechnic, vathar tarf vadgaon is established in 2008. The department has evolved over the years to become one of the active department of this college in teaching and providing services to students. The focus of departments teaching activity is on advanced computational methods for modeling, analyzing and solving complex task in technology and science. The curriculums provided by our department is flexible and provide opportunities for students to emphasize specific areas of interest through there chooses of appropriate measure and technical elective .

To create academic environment at departmental level we have a well maintained library with funds from management. The department has well equipped laboratories with latest hardware and software. The laboratory has 10KVA power backup facility for each and 300 MBPS airtel lease line.

Institute Vision

Achieve excellence in quality technical education to create competent technocrats with ethical and social responsibilities for the betterment of society.

Institute Mission

M1 : To provide a scholarly and vibrant learning environment that enables students to achieve professional growth.

M2 : To impart quality technical education with emerging technology to fulfill industrial requirements

M3 : To develop culture for holistic development of an individual including social as well as ethical responsibilities.

M4 : To strengthen relationship with industries for empowering the students to work in adverse conditions.

Department Vision

An eminent program to meet the growing needs of IT industry & society.

Department Mission

M1 : Imparting quality education through a well-designed curriculum which improves basic and disciplinary knowledge of the subject.

M2 : To train the students to design, develop and test emerging software system for industry & society.

M3 : To inculcate the spirit of teamwork, innovation and professionalism among the students.

M4 : To train students with hands on and soft skills for their future jobs, higher studies and to be an entrepreneur.



A Message from the Principal's Desk

I am very happy to note that the Department of Computer Engineering of Ashokrao Mane Polytechnic vathar tarf vadgaon, is releasing its Newsletter enumerating the various activities and achievements of their faculty and students.

Computer Engineering is a versatile and ever green branch of engineering. A computer engineer is a professional who creates physical components in devices such as consumer electronics, routers, data storage devices, cellphones, medical devices, supercomputers, communication systems and vehicles. I hope this newsletter will serve the purpose of reflecting all activities of department and it will inspire others to do their best. I congratulate all the students who have put their efforts in bringing this newsletter issue and also appreciate HOD and all faculty members for motivating their students towards this fulfilment. I wish each one of them in the departments success in all their endeavors.

A Message from the HOD's Desk



"We feel very fortunate to have someone of him credentials & background leading our teaching & learning department."

This newsletter has been named to pay tribute to his contribution to the field of Science & Engineering. This newsletter is an attempt to show case the department profile and its technical and non-technical activities for overall growth of students. It is an attempt to encourage both faculty and Students to publish their technical work and share information about their extra-curricular activities. I thank our Principal and the management for helping and guiding me in bringing out this newsletter. I also thank my students and colleagues for their help and support during this work.

"The best leader is the one who has sense enough to pick good men to do what he wants done, and the self-restraint to keep from meddling with them while they do it." Department is committed to fulfill vision and follow the mission for same. We are now ready for National Board Accreditation (NBA).

I wish a best luck to all my students and my faculty members to their bright career, and thanking for their efforts towards department and institute.

ORGANIZED EVENT'S

Engineer's Day



Engineers' Day in India is celebrated on September 15th to honor the contributions of engineers. It coincides with the birth anniversary of Moksha Gundam Visvesvaraya, a renowned engineer in India. On 15th September 2023 Department of Computer Engineering has celebrated Engineers Day with different technical events. Hon Principal Prof.Y.R.Gurav was the chief guest for the function. He enlightens students with his valuable thoughts. The function was conducted under the guidance Mr. S.A. Lakade (H.O.D Computer Engineering).



Engineers Day Inauguration by Hon.Principal Prof.Y.R.Gurav and H.O.D Mr. S.A.Lakade



All Computer Department staff and H.O.D. Mr.S.A.Lakade and Event Co-ordinators





**Inauguration of Chandra Yan Demo by Hon.Principal
Prof.Y.R.Gurav**



Poster Presentation by students



**Poster Presentation Winner
“Najiya Bijli” SYCO**

**Let's Code Winner
“Harshwardhan Talap and
Govind Hake” from RIT**



**Reel Master Winner
“Narendra Koli”**

INDUSTRIAL VISIT



According to the curriculum of MSBTE, the Department of Computer Engineering in association with COMPESA organized one day Industrial Visit at “Walstar Technologies Pvt. Ltd, Kolhapur” dated 19/11/2023 from 11.00 a.m. to onwards.

This is leading software Development Company providing software consultancy and solutions to educational institute, school, college and industry. They make software like college management system, Library management system, Mobile application.

HR of Walstar technologies, Kolhapur welcome to all students and staff members then give brief information about Walstar technologies organization. they visited all the departments available in organization. That is customer Queries solution, software development, software testing department. This visit was very useful for students career. From this all students know how software industry is actually working and how they can update themselves with latest technology.



This visit is arranged by Mrs.S.K.Beladar lecturer of Computer Department under the guidance of H.O.D of the Computer Department respected Mr.S.A.Lakade , and Principal Mr.Y.R.Gurav. The Department staff members Mrs.S.R.Chavan, Ms.S.A.Biraje, Mr.K.T.Patil, and Mr.P.P.Khamkar Conducted this visit successfully.



SOFT SKILL TRAINING



Information given to students related to soft skill by “Ms.Shravani Kulkarni”



Soft skills training is training that focuses on the development of abilities such as communication, teamwork and problem solving as opposed to hard skills which focus on an employee's technical ability.

Other soft skills include emotional intelligence, a positive attitude and taking the initiative 3 days Soft skill training was arranged at Ashokrao Mane Polytechnic for all Third Year students in the month of November 2023 .



STUDENT'S ACTIVITY TAKEN IN SOFT SKILL TRAINING

GUEST LECTURE ON CURRENT TRENDS IN INDUSTRY

Welcome by Mr.S.A.Lakade

We Department of Computer Engineering with association with COMPESA arranged expert lecture on 2nd September 2023 at 11.00am onwards. Lecture topic is “Current Technologies in Industry” and expert Mr. Kartikeya Tiwari was the expert for the session. First of expert felicitation done by principle Mr.Y.R.Gurav after that expert welcome and introduction given by Mrs. S. K. Beladar.



After that session was handover to the expert for Current Technologies in Industry talk. Session started with some project idea and project planning tips with the help of Pranayama after that he interacted with all second & third year students about current project topics , technologies used for projects, how to overcome faults in project and how to get dream college or company after diploma engineering. Session completed with the vote of thanks given by Ms.S.I.Mulla. All teaching and non-teaching staff of Computer Engineering Department was present for the session.



Motivational words Mr.S.A.Lakade

GUEST LECTURE ON “PERSONALITY DEVELOPMENT BY ART OF LIVING”



After that expert welcome and introduction was given by Mrs.S. R. Chavan. After that session was handover to the expert for Personality Development talks session start with some mind control and concentration tips with the help of Pranayama after that he interacted with all second & third year students about confidence, failure in academics, how to overcome fear and how to get dream college or company after diploma engineering.



We department of computer engineering with association with COMPESA arranged expert lecture on 29th August 2023 at 9.30am onwards. Lecture topic was Personality Development by Art of Living and Mr. Rohit Patil was the expert for the session. First expert felicitation done by Principle.Mr.Y.R.Gurav



Session completed with vote of thanks given by Mrs.S.R.Chavan. All teaching and non-teaching staff of Computer Engineering Department was present for the session.



Under NSS Committee on occasion of birthday of the President of SBMSPMA Hon. Mr. Vijaysinh Ashokrao Mane. The institute has donated Blankets & Sweaters to the 50 poor & needy Families on 4/12/2023



Go Green Activity



NSS committee of Ashokrao Mane Polytechnic, vathar has arranged the “Fire safety training (Demo on awareness and handling of fire extinguishers)” under the NSS. The event was done with the co-operation of the entire NSS committee member, staff and students dated on 13th October 2023. As per the guidelines in circular of Maharashtra State Board of Technical Education (MSBTE). The “Fire safety training (Demo on awareness and handling of fire extinguishers)” event was inaugurated by Hon. Principal Prof. Y. R. Gurav, all HOD’s and NSS co-ordinator Mr. M. S. Patil and Departmental co-ordinator

Green Club committee of Ashokrao Mane Polytechnic, vathar tarf vadgaon has arranged the “Nirmalya Collection” under the part of “Youth Engagement and Water Stewardship Program”. The event is done by co-operation of the entire Green club committee member, staff and students dated on 29th September 2023. as per the guidelines in circular of Maharashtra State Board of Technical Education.



Faculty Speak

Blockchain Technology



Mrs. S.K. Beladar

There are a lot of case studies emerging for the usage of block chain in the higher education sector. Sharing of student data between multiple universities for a semester exchange, course exchange, student transfer, data exchange for a scholarship with authority, student academic data sharing with companies for recruitment are some of the cases where block chain can be useful

Block chain technology is a structure that stores transactional records, also known as the block, of the public in several databases, known as the “chain,” in a network connected through peer-to-peer nodes. Typically, this storage is referred to as a “digital ledger”. Every transaction in this ledger is authorized by the digital signature of the owner, which authenticates the transaction and safeguards it from tampering. Hence, the information the digital ledger containt is highly secure.

Why is Blockchain Popular?

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Every transaction in this ledger is authorized by the digital signature of the owner, which authenticates the transaction and safeguards it from tampering. Hence, the information the “digital ledger” contains is highly secure.



CYBER SECURITY

We live in a hyper-connected world, in which absolutely everything from banking to dating to governmental infrastructure is done online. In today's world, data protection is no longer optional, for either individuals or nations, making this another growing strand of computer science research. Cyber Security teaches how to protect operating systems, networks and data from cyber-attacks. It helps to reduce risks and track all threats which might affect the system. This digital era shows that there are numerous opportunities that hackers might attack the systems and networks and one need to take extra measures to protect their data. A successful cyber security approach has multiple layers of protection spread across the computers, networks, programs, or data that one intends to keep safe.



Types of cyber security

- Application security.
- Application security prevents unauthorized access and use of applications and connected data. ...
- Cloud security. ...
- Critical infrastructure security. ...
- Data security. ...
- Endpoint security. ...
- IoT (Internet of Things) security. ...
- Mobile security. ...
- Network security.

Layers of Cyber security

- Human Layer
- The human layer, often regarded as the most vulnerable layer, focuses on the human element within an organization. ...
- Perimeter Security Layer: ...
- Network Layer: ...
- Application Security Layer: ...
- Endpoint Security Layer: ...
- Data Security Layer: ...
- Mission-Critical Assets:

Everyone also benefits from the work of cyber threat researchers, like the team of 250 threat researchers at Talos, who investigate new and emerging threats and cyber-attack strategies. They reveal new vulnerabilities, educate the public on the importance of cyber security, and strengthen open source tools. Their work makes the Internet safer for everyone.



Mrs.P.D.Patil

Students speak

BLUE BRAIN

Blue Brain also named as "Virtual Brain", was the first intellectual brain which attempts reverse-engineering on the brain of mammals. Blue brain was world's first virtual brain. Blue Brain is focused exclusively on creating a physiological simulation for biomedical applications. That means a machine which can function as human brain. For this purpose we have to upload human brain into machine. So a machine can help a man to think, take decision without any effort.



Advantages of Blue Brain

1. Helps in understanding brain functionality – Blue Brain helps us grasp how the brain works, breaking down its complex operations into easier-to-understand processes.
2. Aids in neurological disorder research – It plays a crucial role in researching neurological disorders, offering insights that could lead to better treatments.
3. Enhances artificial intelligence development – It boosts the progress of artificial intelligence, as understanding the human brain can guide the development of smarter systems.

Disadvantages of Blue Brain

1. High cost of implementation – The Blue Brain project can be pricey, with resources required for research, development, and maintenance.
2. potential misuse in wrong hands – It can also be misused if it falls into the wrong hands, leading to harmful consequences.
3. Ethical concerns about consciousness – There are ethical worries, like if a digital brain can achieve consciousness, raising complex questions about identity and right

After the death of the body, the Virtual Brain will act as the man. In Virtual Brain we implement the reverse engineering process of the human brain. No one has ever understood the complexity of human brain. It is complex than any circuitry in the world. So, question may arise, "Is it really possible to create a human brain?" the answer is "Yes". It is possible through which a person may be uploaded into a computer. The uploading is possible by the use of small robots known as the Nanobots.



Diptesh Dange

Students Achievements

Third year student “Samruddhi Jadhav” got 1st Rank in Poster Presentation at RIT Islampur



Third Year students got prizes in External Events

Faculty Achievements



Our faculty members participated in a comprehensive training program designed to enhance their Teaching methodologies, keep them abreast of the latest advancements in Recent trends Electronics and Computer Engineering Scholarly Excellence, and further develop their skills in fostering an engaging learning environment



Our Head of the Department Mr.S.A.Lakade is rewarded for his remarkable work for the Institute by Hon.Principal Prof.Y.R.Gurav

Students Achievement

Our Topper's

Third Year



Diptesh Dilip Dange
(90%)



Niharika Shivprakash Tiwari
(86.9%)



Pradnya Ramesh Amburle
(84.93%)

Placed
Students

Second Year



Pruthesh Neminath Upadhye
91.52%



Vaishnavi Prakash Gurav
90.95%



Shravani Vilas Patil
89.61%



Kishor Dholi



Tanuja Jadhav



Jaydip Patil



Srushti Patil

Placements

Patil Ruturaj Anil	Yazaki pvt.Ltd, Pune
Kale Sairaj Baburao	Yazaki pvt.Ltd,Pune
Bhaskar Shweta Sahadev	Yazaki pvt.Ltd,Pune
Patil Jayadip Jitendra	Yazaki pvt.Ltd,Pune
Agale Sanika Sagar	Yazaki pvt.Ltd,Pune
Mulla Juveriya Rafik	Yazaki pvt.Ltd,Pune
Patil Srushti Dipak	Yazaki pvt.Ltd, Pune
Salonkhe Tejas Tanaji	Yazaki pvt.Ltd,Pune
Amane Vaishnavi Santosh	Yazaki pvt.Ltd,Pune
Jadhav Tanuja Tukaram	KPIT
Patil Satyajeet Ramesh	Yazaki pvt.Ltd,Pune
Dholi Kishor Ramsing	KPIT
Shintare Ashwini Appaso	Yazaki pvt.Ltd,Pune
Bachche Vishwajeet Vikas	Yazaki pvt.Ltd,Pune
Bukshet Sujal Sudhir	Yazaki pvt.Ltd,Pune
Patil Sanket Sarjerao	Wipro
Kamble Nilkamal Nishikant	Wipro
Jadhav Tanuja Tukaram	KPIT
Chavan Ritesh Baban	Wipro
Patil Srushti Dipak	WPIT
Patil Jayadip Jitendra	KPIT
Patil Srushti Dipak	Wipro

Success Story

Mr. Sanket Sarjerao Patil our alumni from 2019-20 pass out batch currently working in “ WIPRO” company as a junior S/W Engineer says "My time studying at Ashokrao Mane polytechnic remains a key component of who I am. The Computer Science program has taught me to fundamentally approach, evaluate and solve problems. The interaction with the professors and their sincere desire for my success was truly invaluable. As a direct result of their encouragement, I am working at WIPRO. While there, I was able to apply and build upon what I had been taught. With both classroom and related work experience, I was able to secure a permanent position with a company when I PassOut. Overall, I feel my time at AMP was a worthwhile investment for both personal and professional development."



Sanket Sarjerao Patil

Conclusion

We trust that this edition of our Computer Department newsletter has fulfilled your passion for all things. From the latest advancements in technology to insightful features on Artificial Intelligence, we've aimed to Provide a comprehensive and engaging experience. As we journey through the fast-paced world of Computers, we Invite you to stay connected with us. Your enthusiasm and interest drive our commitment to delivering content that Resonates with you. The road ahead promises exciting developments in the Software industry, and we're thrilled to have you Along for the ride. Thank you for being a valued part of our Computer Department. Keep your Mind Revving and stay tuned for more exhilarating content in our future newsletters.

Theme for next Issue



Data science Insights

Canva

Happy New Year