

2021-22 Edition

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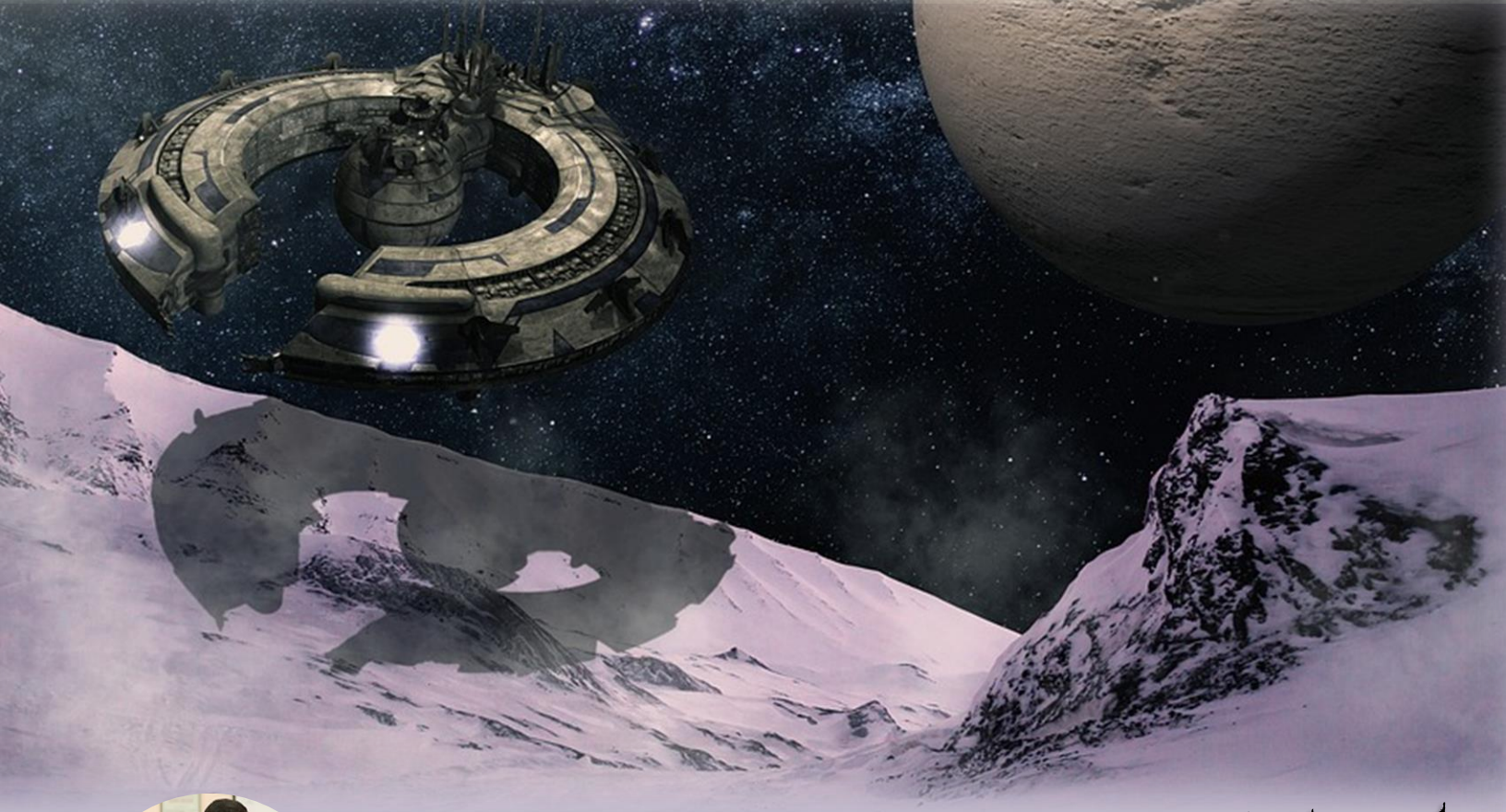
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Words From Respected Director



I warmly welcome all my young buddy engineers to Artificial Intelligence department of G H Raisoni Institute of Engineering & Technology-Nagpur. Perhaps this department was initiated with new perception of excellent job opportunity in the new era of technology advancement.

I would like to congratulate the entire team of Artificial Intelligence department for coming out with an amazing concept of departmental magazine named "अdhyaaya". The magazine shall serve as an insight in this promising field of Artificial Intelligence with new horizons given by its students and faculties. An exciting way to showcase the departments activities, inventions, research & thoughts.

My support and wishes always stand with the department. Awaiting to witness more features to the Artificial Intelligence department and "अdhyaaya".

"Work Hard in Silence.

Let SUCCESS make the noise."

Dr.Vivek Kapur
Director-GHRIETN

Word's From our HoD

Fostering imagination and inspiring innovation are two of the key elements of a successful education, and a department magazine is the perfect amalgamation of both. It connects the creative energies of the academic community, and distils the essence of their inspired imagination in the most brilliant way possible. Therefore, I am elated to know that first issue of annual magazine "अdhyaaya" of Artificial Intelligence Department is ready for publication.

अdhyaaya provides an intersection of great challenge and great opportunity for the students to review their efforts and to analyze their achievement. This magazine is a platform that exhibits the literary skills and innovative ideas of teachers and students. "अdhyaaya" presents the hard work and dedication of students and contributions of teachers.

I take this opportunity to congratulate the editorial board for bringing out this magazine as per schedule, which in itself is an achievement considering the effort and time required. May all our students soar high in uncharted skies and bring glory to the world and their profession with the wings of education!

Dr. Smita Nirkhi
Head of Department
AI



Words From our AI Club and Magazine Incharge



Kudos to the students of Artificial Intelligence department for beginning this exciting new chapter "अdhyaaya" as the AI Magazine. It would be wonderful to see you all working in this direction in achieving new hights. Explore the domain of Artificial Intelligence, Blockchain technology, Natural language processing, computation, robotics, drones, graph database, deep learning, artificial neural networks, Python, R, Perl, SWIFT, GO, machine learning, cyber security, ethical hacking, cryptocurrency and never-ending list of this domain…… ……

I wish all my under graduate students to keep digging in the new opportunities up-coming in your path way. Do join in professional societies to get recognized, initiate your own start-ups, strive hard for quality internships, learn new languages, develop your own web page, be active in academics, shine in extra curriculum, be happy, make your family & department proud by grabbing best campus recruitments.

Being your mentor for "अdhyaaya", is a great opportunity and huge responsibility, which I shall try my best to serve. We shall motivate young minds and bring in the latest article / Ted talks / achievements / activities / awards / and much more, in for the magazine. Together we shall take this wonderful journey of "अdhyaaya". To conclude……..

Don't stop until your Proud……..

Prof.Tabassum H Khan
अdhyaaya Mentor



Words From Our Editor

On the behalf of our editorial team, I would like to offer a word of thanks to the mentors, readers, authors, editors, proofreaders, the creative design team, and all the anonymous reviewers who help us in the making of this "अdhyaaya" magazine. We'll be publishing a yearly magazine particularly emphasizing technological advancements, AI, ML, and many more. Launching a new magazine is no small feat. We have created this magazine intending to provide a platform for thinkers and writers to express their thoughts and words on AI and its sister branches.

Our vision is to create a high-quality magazine that will be relevant, challenging, thought-provoking, and informative for undergraduate students. An enormous amount of work has been done towards the development of this magazine in the past few days.

"अdhyaaya" will be dedicated to the rapid dissemination of high-quality articles and columns. We welcome original research, theoretical contributions, innovations, case studies, book reviews, and project thesis. We'll occasionally publish special sections on upcoming and emerging topics for broader audience interest.

Finally, we encourage young and talented minds to contribute to make "अdhyaaya" a grand success. New authors, editors, and contributors are always welcome. We are delighted that you are joining us as readers and hope you will also join us as contributors.

Jayvardhan Gholap
Editor in Chief





Words From Our Core

The magazine अdhyaaya represents a platform for exposure to the talents of anyone willing to make a contribution. As the Creative Design Director of Adhyaaya I have been given this great opportunity to add colours and artistry to the very talented contributors of this magazine, together we shall all grow make this magazine a huge success.



I welcome our readers to this wonderful journey of AI. As the copy editor of the magazine, it's my job to assure that our readers have a great experience going through the material and all the facts that are written are True with minimal mistakes. The अdhyaaya magazine will take the readers to the world of growing AI and the latest trends in the field with miscellaneous applications of AI and many more. I wish our readers the very best for their future and hope they will learn something new from our



"Time tells everyone how the world looks in the bright light and colors, in aspirations of humanity there is always a place for ingenuity." On behalf of अdhyaaya, I, Hritik welcome you to see the great journey of students and intellects in the field of AI with the hope for the greatness of humanity. Together we'll make the world better place for life and intelligence with the idea of sustainability. Join this journey of अdhyaaya to bring enlightenment for others.

Hritik Debnath



Hello readers, on behalf of अdhyaaya, I, Ayushi Thakre welcome you to the reading journey of अdhyaaya with this hope that you find it meticulous and scientific. A small contribution made by our team to showcase the glory of All department, All students and our mentors. I hope our readers will take something enlightening from अdhyaaya and wish you all the best for your Future. At last, thanks to everyone who has contributed to make अdhyaaya happen.

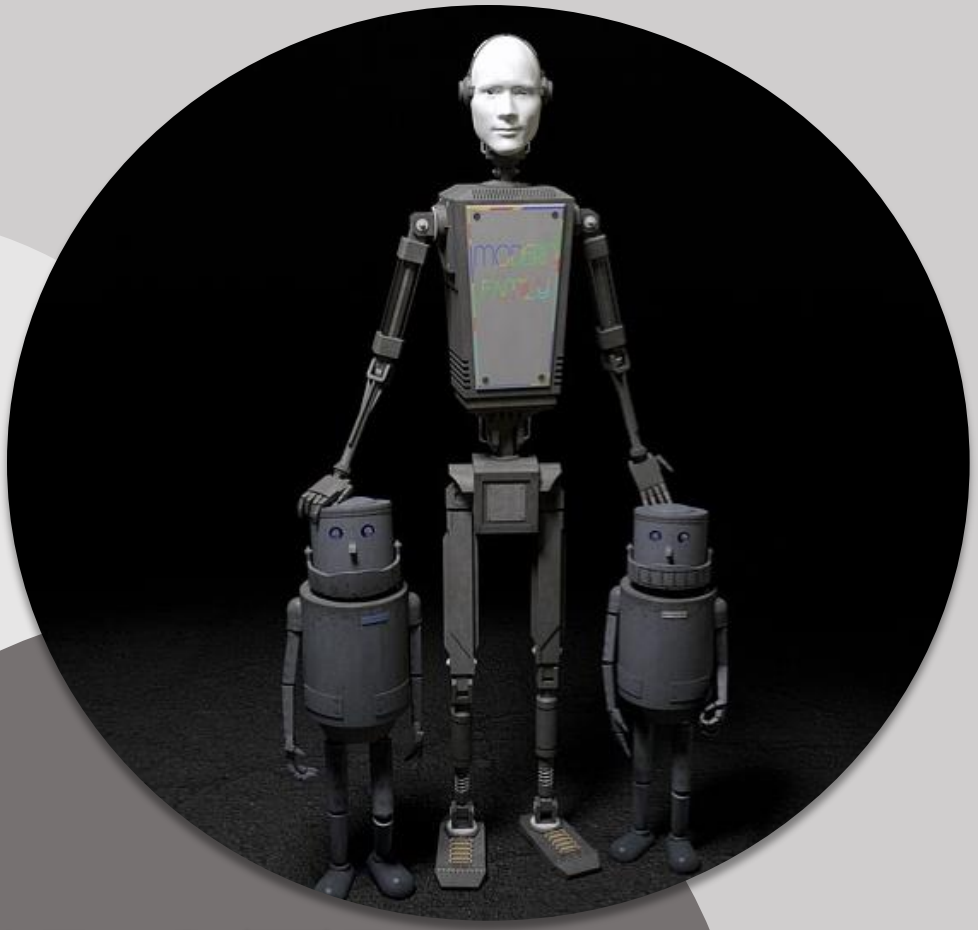


Ayushi thakre

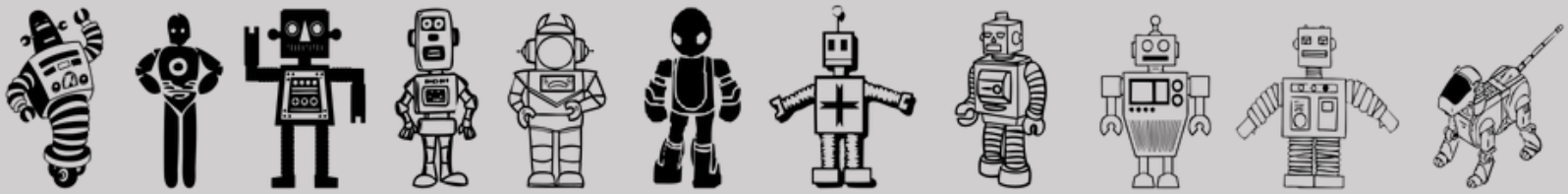
Hello reader, it gives us immense joy and satisfaction to present our magazine "अdhyaaya". I, Shivani Nikam, welcome you to the wonderful journey of अdhyaaya. अdhyaaya is a productive as well as technical material subsidiary skill-developing magazine for all the readers. Hope you all will enjoy this amazing journey.



Shivani Nikam



AIBOTRIX Forum Activities 2022-23



ABOUT FORUM

The AI Forum was founded by the department of AI to to enhance the skills of students inthe field of AI. Students from including AI and all other branches participating in several different events related to technical and non-technical events to showcase their skills in and out of the field of AI.





Events



The details about the events:

1. **Event Name:** "Poster competition"

About: This event was arranged to show tributes for all the heros who worked hard amid of a global pendemic.

2. **Event Name:** "Quiz"

About: This event was arranged to test the knowledge of students in the field of AI.

3. **Event Name:** "Code Block"

About: This event was programming competition for the students interested in coding and problem solving. In this event participants where given few problems and where asked to submit the solution withing in a time limit.



A.I. CLUB

Activities 21-22

Prometheus (Induction Program For FY B.Tech Students)

Salesforce Admin : A Game Changer for Campus recruitment

"Insights of AI Surging" (Induction Program for Diploma)

Job Opportunit-ies in AI

1. **Prometheus (Induction Program For FY B.Tech Students)**

The AI Club of The Artificial Intelligence Department of GH Raisoni Institute Of Engineering & Technology, Nagpur had conducted an event "PROMETHEUS" under Prarambh 2021 – B.E Student Induction Program.

The AI club is formed in view of giving new directions to our students in this field & to achieve knowledge in the upcoming technologies in Artificial Intelligence.

"Prometheus" was conducted on 27th December 2021 from 1:00 pm to 2:00 pm program was conducted to encourage the students of 1st Year BE. In this 3 core committee members, the Event-incharge of AI club and Publicity-incharge of AI club had actively organized this Event under AI Club.

In this program team members Ruhi Gedam and Sakshi Adhaye briefed the students about Artificial Intelligence, its application and encouraged them to pursue AI in future.

The committee of AI club also conducted a brainstorming Quiz session through google forms

Events



2. Salesforce Admin : A Game Changer for Campus recruitment

The Department of Artificial Intelligence of GH Raisoni Institute Of Engineering & Technology, Nagpur has organized Webinar on “Salesforce Admin” under its AI Club. This club is formed in view of giving new directions to our students in this field & to achieve knowledge in the upcoming technologies in Artificial Intelligence.

The Salesforce Admin webinar was conducted on 23

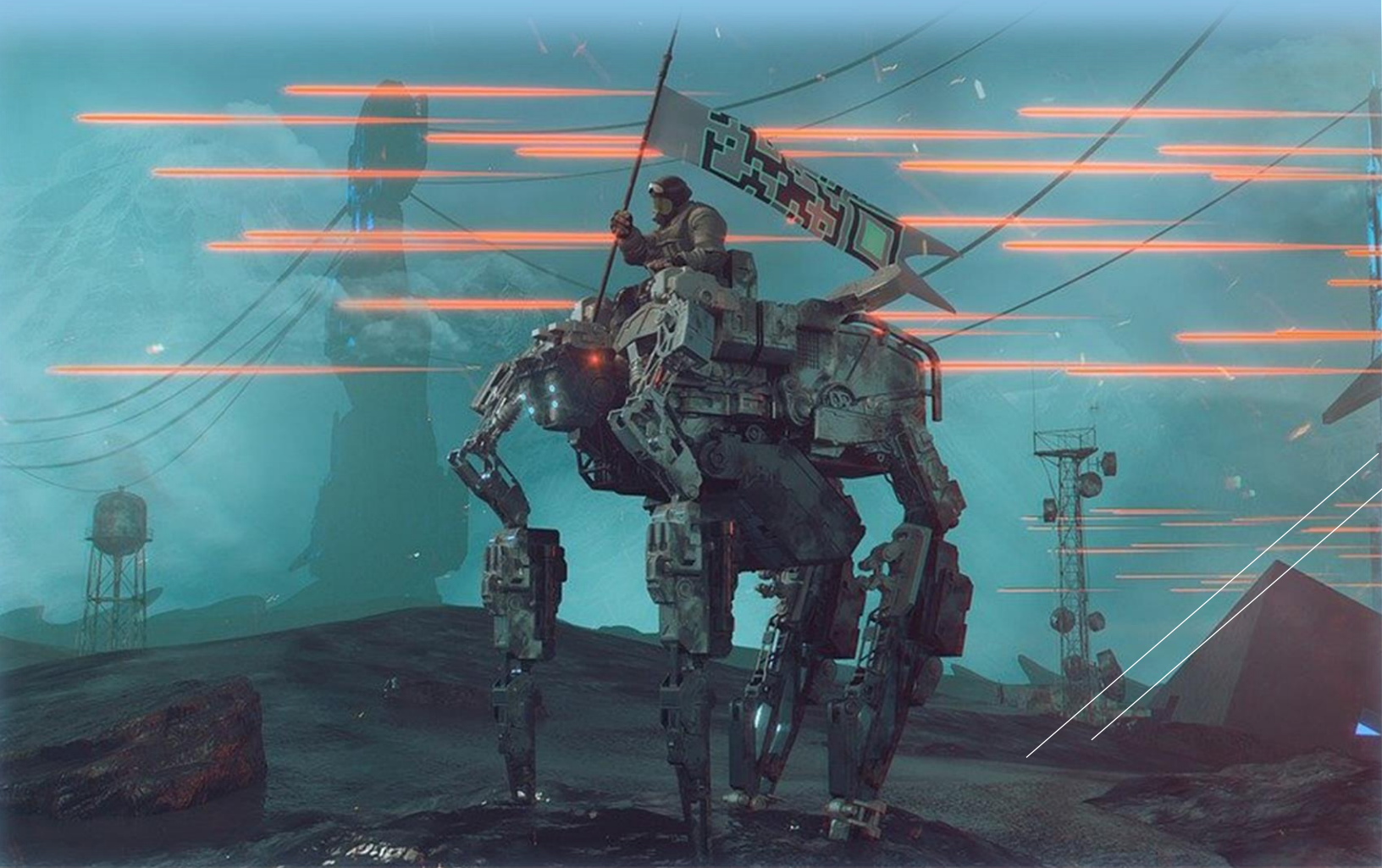
rd October 2021 from 03:00 pm to

04:15 pm.This program was conducted to encourage the students of Engineering. In this webinar 3 core committee members of AI club had actively organized the Event under AI Club.

In this webinar the expert trainer Mr. Akash Tekam sir a Salesforce Developer,

guided students about the :

- About Salesforce
- Application creation
- Object and fields creation



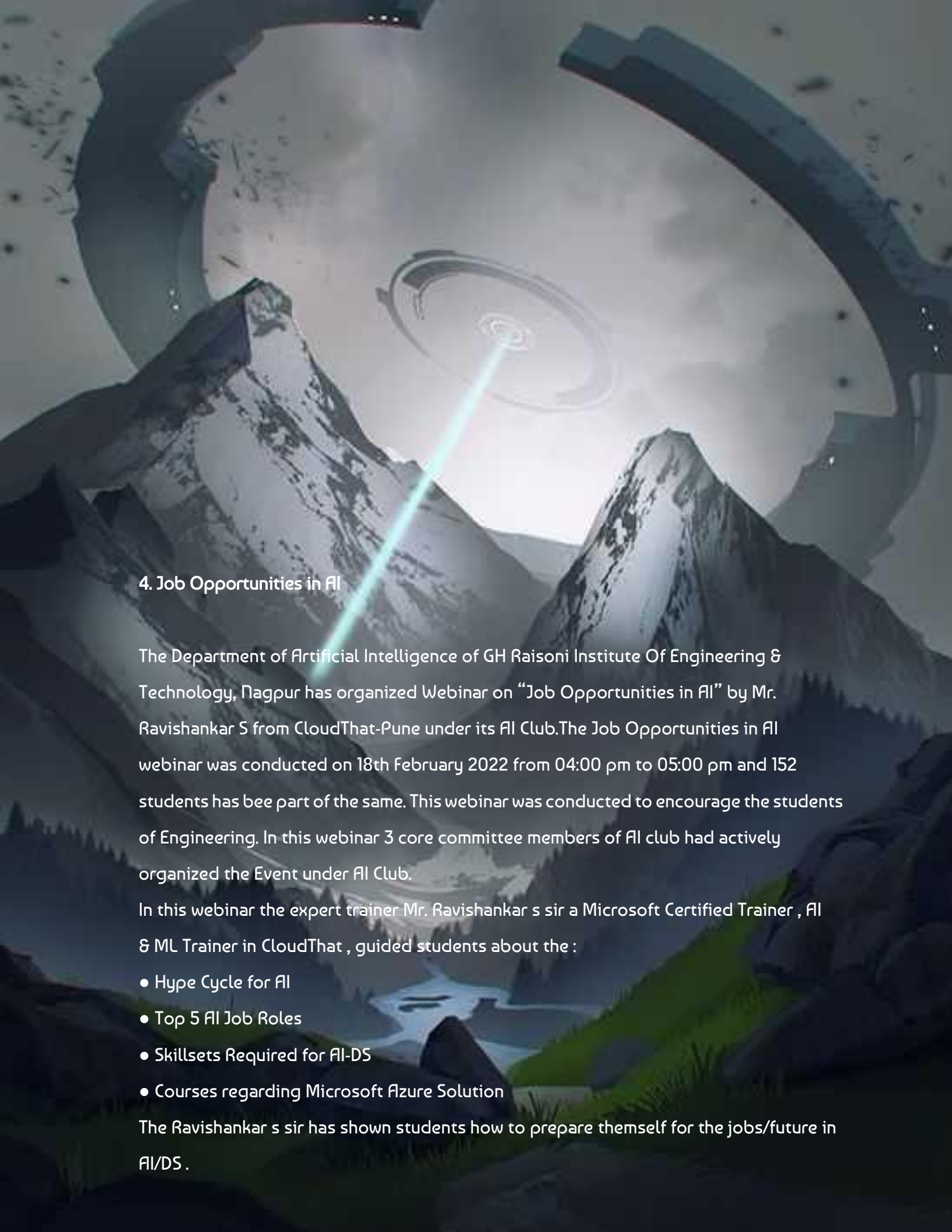


3. “Insights of AI Surging” (Induction Program for Diploma)

The AI Club of Artificial Intelligence Department of G H Raisoni Institute Of Engineering & Technology, Nagpur has organized Induction program for Diploma Students “Insights of AI Surging ”under its AI Club. This club is formed in view of giving new directions to our students in this field & to achieve knowledge in the upcoming technologies in Artificial Intelligence.

The Insights of AI Surging was conducted on 16 th September 2021 from 10:30 am to 11:30 am.This program was conducted to encourage the students of Diploma. In this over 3 core committee members and President of AI club and member of AI club had actively organized this Event under AI Club.

In this webinar Prof.Tabassum H Khan an Assistant Professor in Department of Artificial Intelligence guided students about the opportunities in Artificial Intelligence , its application and encouraged them to pursue Artificial Intelligence in future . After that the committee of AI club had conducted a Hands on Python.



4. Job Opportunities in AI

The Department of Artificial Intelligence of GH Raisoni Institute Of Engineering & Technology, Nagpur has organized Webinar on "Job Opportunities in AI" by Mr. Ravishankar S from CloudThat-Pune under its AI Club.The Job Opportunities in AI webinar was conducted on 18th February 2022 from 04:00 pm to 05:00 pm and 152 students has bee part of the same. This webinar was conducted to encourage the students of Engineering. In this webinar 3 core committee members of AI club had actively organized the Event under AI Club.

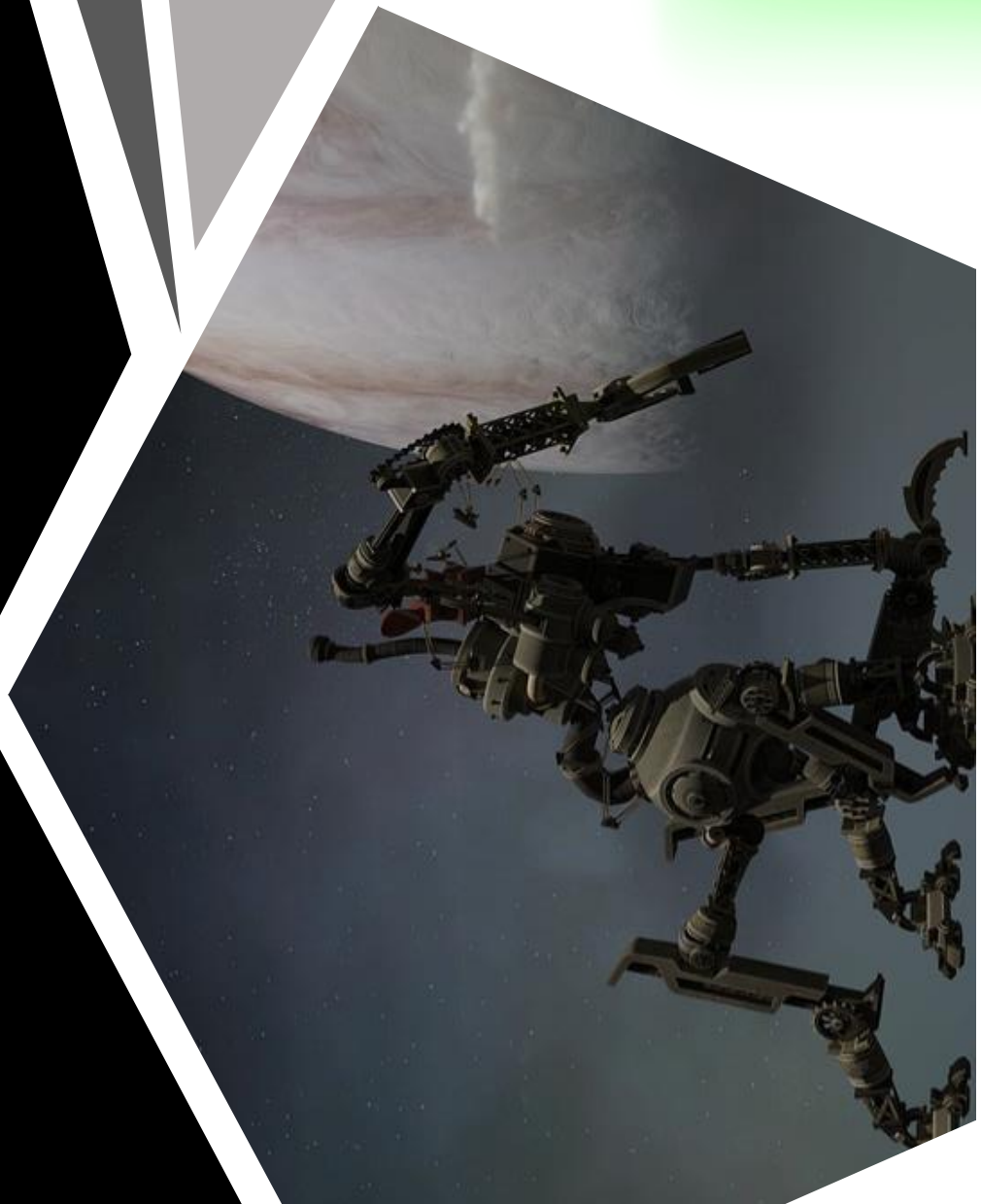
In this webinar the expert trainer Mr. Ravishankar s sir a Microsoft Certified Trainer , AI & ML Trainer in CloudThat , guided students about the :

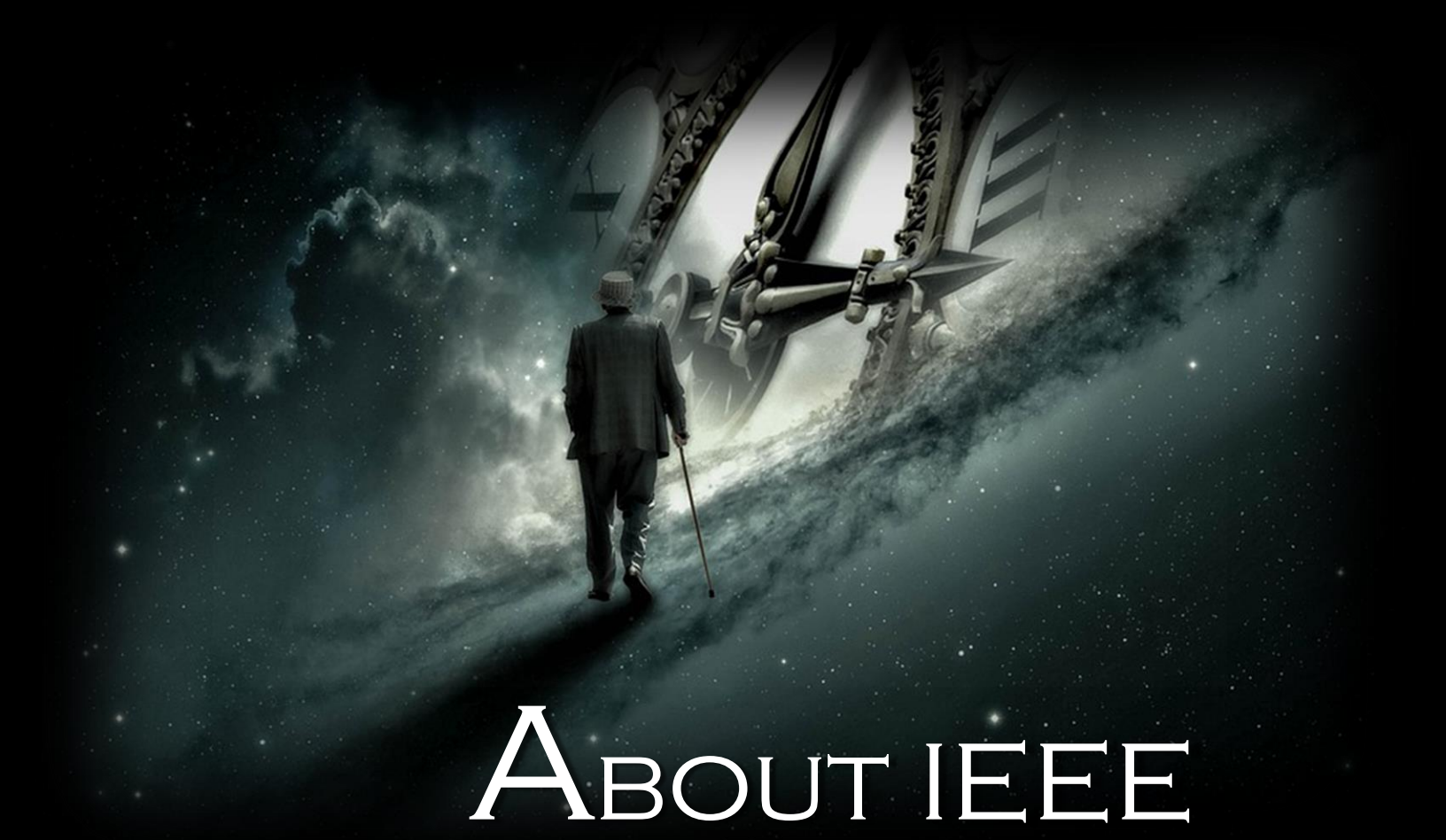
- Hype Cycle for AI
- Top 5 AI Job Roles
- Skillsets Required for AI-DS
- Courses regarding Microsoft Azure Solution

The Ravishankar s sir has shown students how to prepare themself for the jobs/future in AI/DS .

IEEE ACTIVITIES

21-22





About IEEE

Institute of Electrical and Electronics Engineers (IEEE) is the world's largest professional association dedicated to advancing technological innovation and excellence for the benefit of humanity. IEEE and its members inspire a global community through IEEE's highly cited publications, conferences, technology standards, and professional and educational activities. IEEE will be essential to the global technical community and to technical professionals everywhere and be universally recognized for the contributions of technology and of technical professionals in improving global conditions. The IEEE is engaged in an enterprise-wide strategic planning process. A summary of the long-range strategic plan termed the IEEE Envisioned Future, details the main elements of the plan.

IEEE GHRIETN chapter was started in the year 2020 under the guidance of Dr. Smita Nirkhi ma'am and Prof. Amit Pimpalkar Sir, Prof. Tabassum Khan Ma'am, and the first elected Chair Master Ravindranath Sawane and team. Our chapter was established under the IEEE Nagpur Sub-Section Branch. IEEE Nagpur subsection is the 2nd subsection formed under the IEEE Bombay section and has started functioning from September 2017. This subsection has been formed for better networking between professional members and student members within the Nagpur district of Maharashtra state.

Over the year IEEE GHRIETN chapter has successfully organized various events. These events were mainly focused on giving students knowledge about the latest trends and technologies. The very first event under the GHRIETN chapter was held on 3rd April 2021.



Events

1. **Event Name:** "Benefits of IEEE Student Membership"

About: This event was organized to get students to know about the benefits of IEEE Student Membership and overall introduction to IEEE. Around 154 students participated in this Webinar.

2. **Event Name:** "Blockchain Technologies: Applications and Opportunities"

About: A brief introduction to blockchain Technology And its opportunities were enlightened in this Webinar. There were 125 students and IEEE Members who were participants in this workshop. The Speaker of the Webinar was Mr. Nikhil Karande from Knit Finance Hyderabad.

3. **Event Name:** "Free Python Webinar"

About: This event was a webinar collaboration with the GKTCS Pune. The Speaker of this Webinar was Dr. Surendra Panpaliya. He has introduced all participants to the benefit and opportunities of learning the python programming language.

EVENTS

4. **Event Name:** "Webinar on Competitive Coding and Placement Preparation"

About: This Webinar was to focus on competitive coding and how to prepare for Placements in collaboration with PrepBytes. The Speaker of the Webinar was Mamta Kumari (Co-Founder PrepBytes)

5. **Event Name:** "Webinar on Academic to Project-Based Learning"

About: This event was to encourage students to focus on academic to project-based learning. 40 participants were present & the Speaker Mr. Ramneek Kalra had given insights about how to go towards project-based learning.

6. **Event Name:** "International Webinar on IEEE Software Engineering Standards"

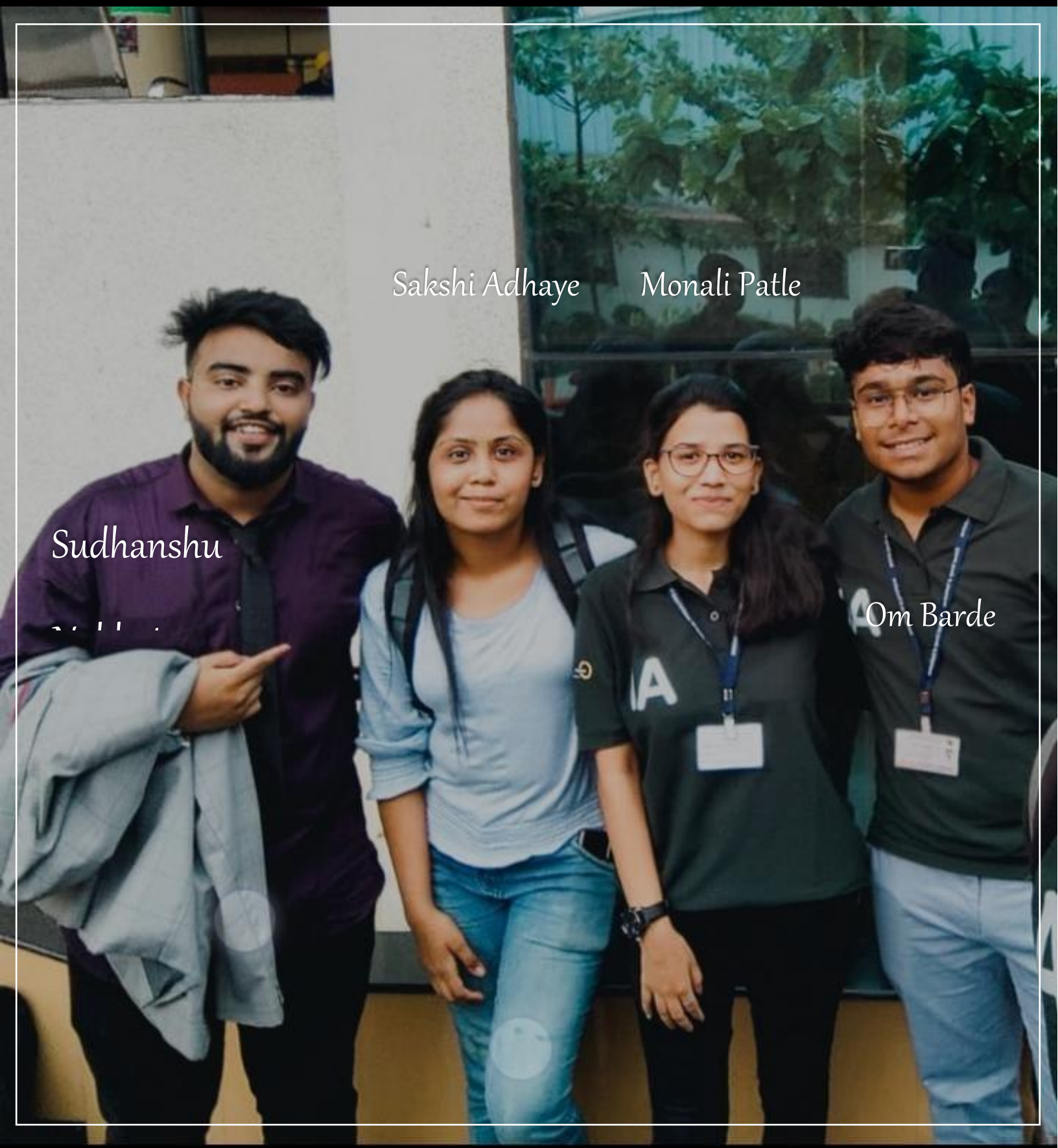
About: In this webinar, Ms. Susan Kathy Land had given insights about IEEE Software Engineering Standards around 160 students participated in this webinar.



ARTIFICI

Fiesta-de-AI

THE CORE TEAM



Memoire




AF


OF ENGINEERING AND TECHNOLOGY




THE ARTIFICIAL INTELLIGENCE DEPART
PRESENTS
AF 2K22
ARTIFICIX
FIESTA -



The Intra College level technical event "ARTIFICIX" was organized by the department of AI under Pragyoostav and took place in the college premises from 20th to 22nd April 2022 in the presence of Honourable Director Vivek Kapur Sir, Head of Department Dr. Smita Nirkhi,

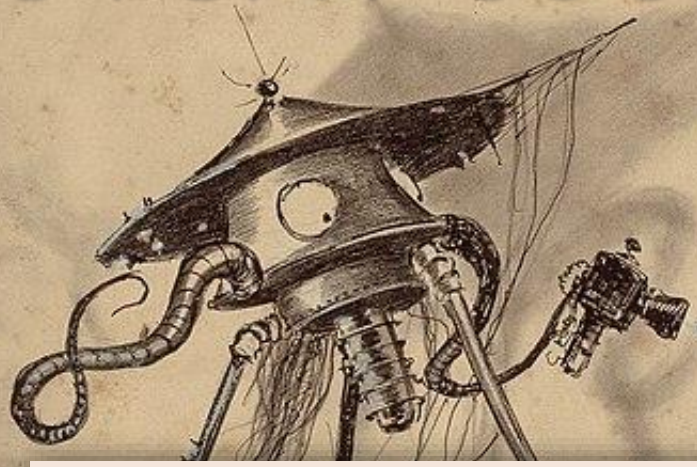
Deans and HoDs of other department and teaching staff across all branches. Led by the Head Coordinator Mr. Sudhannshu Nakhate and Coordinator Miss Sakshi Adhaye. The event consisted of a total of 10 events and had a whopping budget of around 1 lakh.

LIST OF EVENTS

- Test your limits
- War of BGMI
- Valorant
- Smackdown Pain
- The Big Brain
- Google Crasher
- Blind Coding
- Tech Treasure Hunt



EVENT COORDINATORS



Sem	Name	Event name
7th	Tanmay Rane	Inauguration
7th	Om Rachalwar	Mock Test
7th	Komesh Borkar	War of BGMI
5th	Harsh Bante	Valorant
7th	Jayvardhan Golap	The Big Brain
7th	Abhishek Jain	Google Crasher
7th	Rohit Dhote	Smackdown
7th	Pranay Bobade,	Blind Coding
7th	Ayushi Thakre	Tech Treasure Hunt
5th	Sharad Pradhan	Foodie Competition
7th	Tanmay Rane	Prize Distribution


Antarag
ni

Basketball Winners







Debate

Winner

Jayvardhan Gholap, 7th Sem, AI

Stand-up Comedy



Winner ~

Ruhi Gedam, 5th Sem, AI



Sab Rang 1st Runner Ups



Volley & Futs



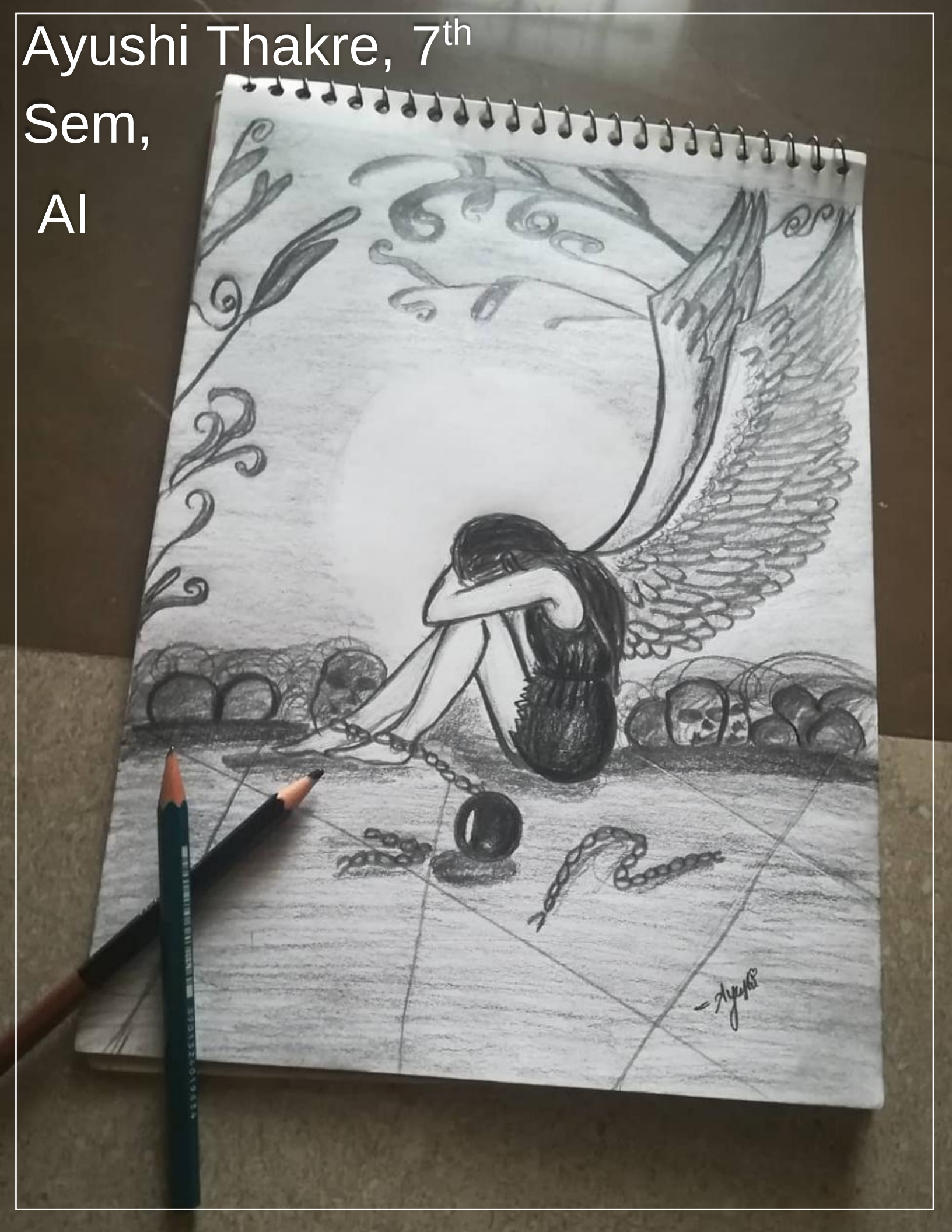


1st Runner Up (Girls)

Art Gallery



Ayushi Thakre, 7th Sem, AI



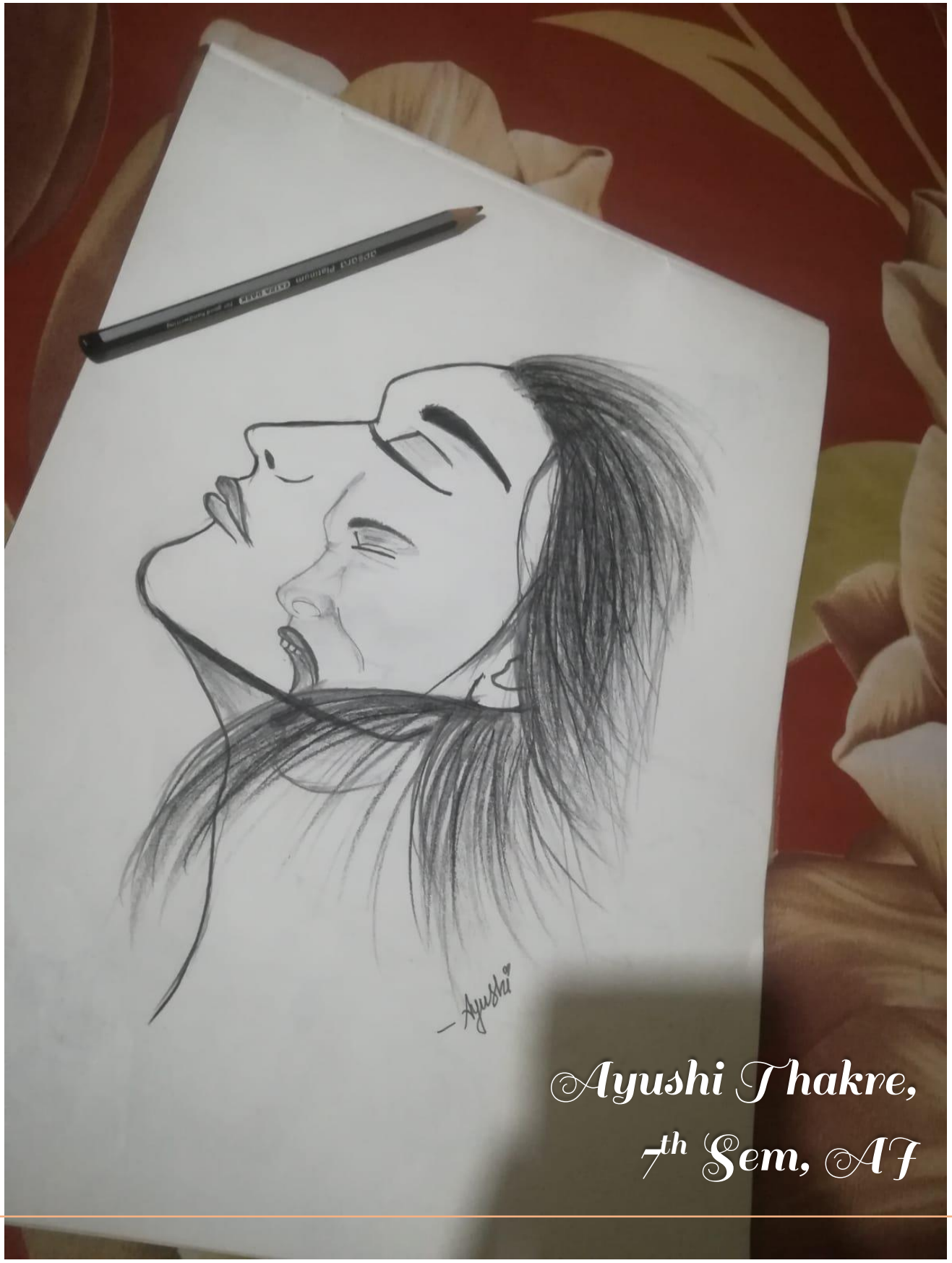


By - Nivedi Dufare
7th Sem, Ai

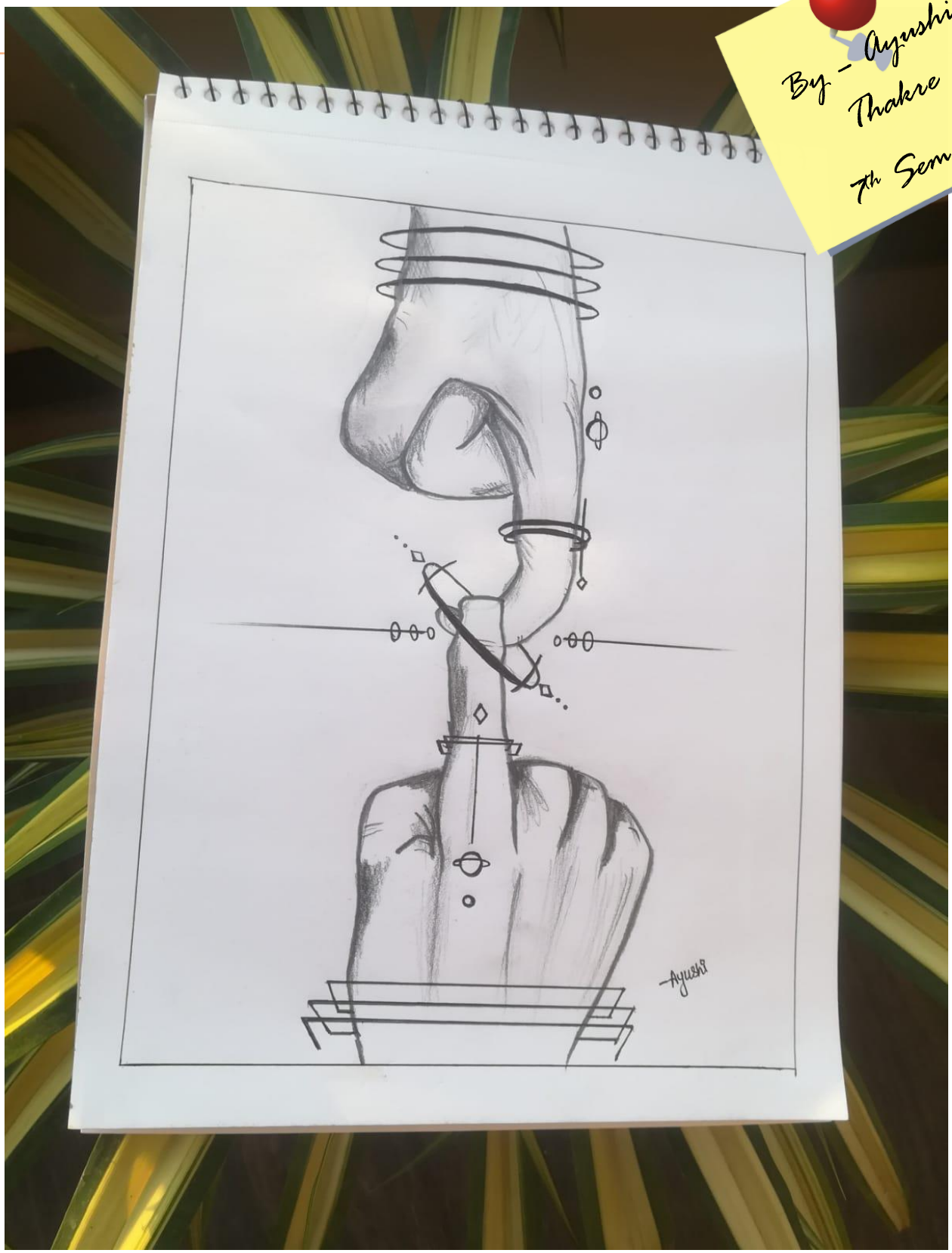
Ayushi Thakre,

7th Sem, AF





Ayushi Thakre,
7th Sem, AF

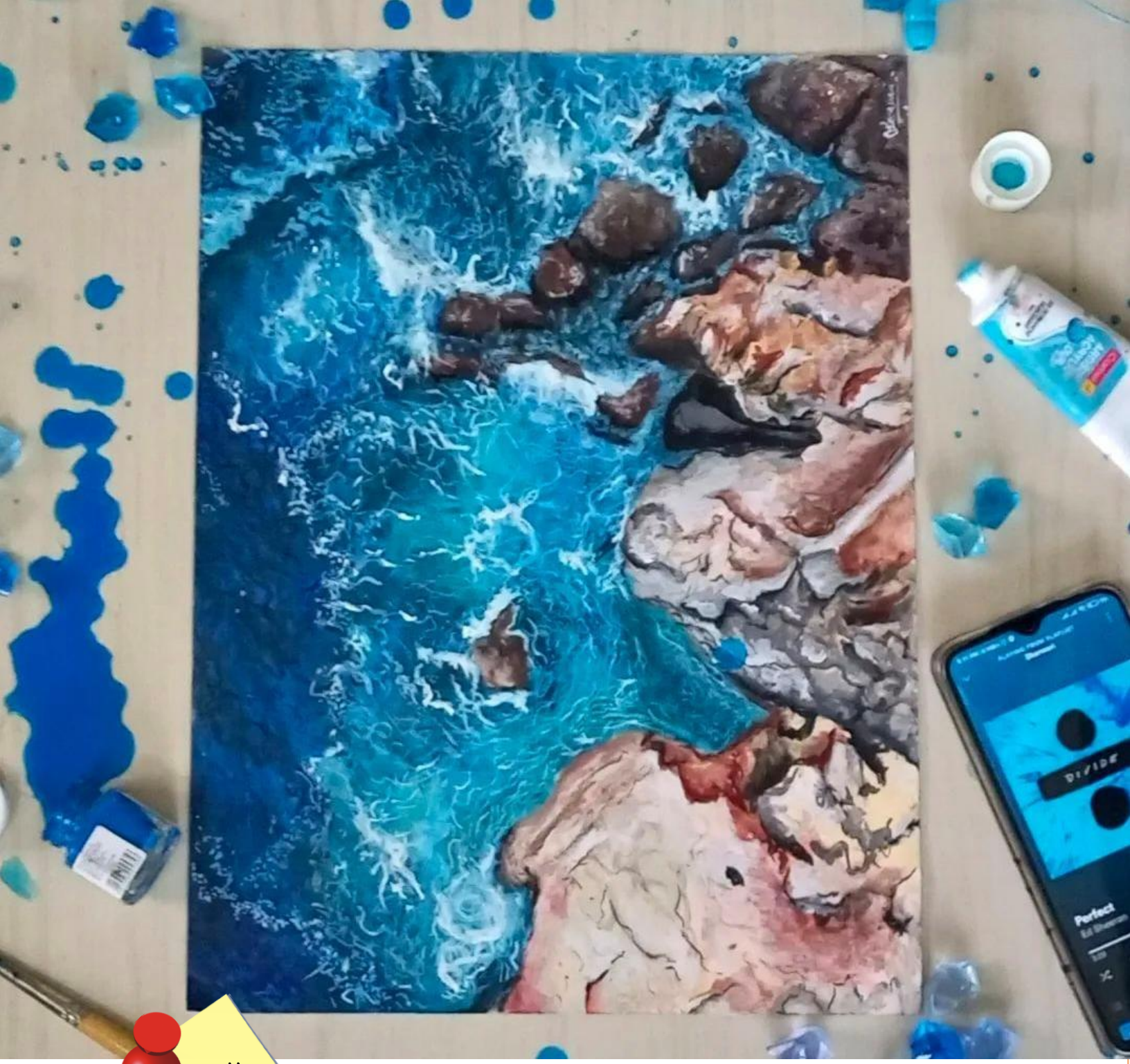

By - Ayushi Thakre
7th Sem, Ai
-Ayushi



By- Nivedi Dufare
7th Sem, AI



By – Nivedi Dufane
7th Sem, Ai



By - Nivedi Dufare
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Ayushi Thakre,
7th Sem, AF




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7th Sem, AI

