



Rai University
EVOLVING THINKING MINDS



VOLUME 2

RSE CONNECT DIGITAL NEWSLETTER

JULY 2023 TO SEPT 2023

ABOUT RAI SCHOOL OF ENGINEERING



Rai School of Engineering is a constituent School of Rai University established in 2013 consists of Diploma, B.Tech Degree, BCA, B.Sc IT and MCA Programmes. RSE emphasizes on Skill Development, Project Based Learning and ICT enabled pedagogies to provide Outcome Based Education to the budding Student fraternity. RSE is powered by distinguished Faculties who focus on Quality Research Papers, Chapters and Books in addition to Patent publication and grant.

VISION

To be a center of excellence in technical higher and professional education, research and support services, capable of making significant contribution to individual and societal empowerment.

MISSION

To create technically qualified world-class professionals with social commitment through Career oriented courses conducted by high profile faculties, complemented with globally Interactive learning processes and leading edge technology.



▶ CSE/IT Department

VISION

To emerge as front runner in Computer Science and Engineering education and to transform the students into globally competent professionals with expertise in software development and aptitude for research and ethical values.

MISSION

- Inculcate problem solving and team building skills.
- Provide the necessary conducive environment for promoting Analytical Learning.
- Provide the ambience to become industry ready Professionals, Researchers and Entrepreneurs by offering courses on cutting edge technology and advanced laboratory courses for the students.
- Create positive mindset for digital automated and innovative solutions.

▶ Mechanical Engineering Department (Diploma)

VISION

To develop students into technically competent and talented professionals capable of meeting the requirements of industry and society.

MISSION

- To providing an economical and high-quality technical education to satisfy ever-changing and demanding needs through a supportive Teaching-learning environment.
- To Providing service to society and industry by creating people with technical capabilities and an entrepreneurial spirit.
- To providing comprehensive education with professional moral principles to promote learners harmonic growth.



▶ Mechanical Engineering Department (B.Tech & M.Tech)

VISION

To develop our students into technically competent and ethically ideal professionals with creative leadership characteristics and a confident attitude for serving society with worldwide attention.

MISSION

- To provide our whole undergraduate and postgraduate students with a complete understanding of numerous core engineering disciplines in order to determine their basic strength in mechanical engineering.
- To expose our students to a curriculum that includes contemporary labs, interdisciplinary studies, and industrial training so that they may get worldwide experience in world-class enterprises.
- Through numerous initiatives in their curriculum, we hope to boost our kids original ideas and develop their capacity for leadership and cooperation. To instill strong ethical traits in pupils in order to promote lifelong learning and service to society and the country as a whole.

▶ Civil Engineering Department (Diploma)

VISION

To produce competent Engineers with the necessary skills and abilities to meet the Emerging requirements.

MISSION

- To enrich the knowledge and competencies required at par with changing methods.
- To prepare learners for knowledge enhancement with value and ethics.
- To ensure facilities for quality and life-long learning.

ACADEMIC EVENTS

RSE Students and Faculty participation in Rai University organized Hepatitis Test Camp at Saroda Village on July 28, 2023

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On 28th July 2023, Rai University, in collaboration with the Saroda Village Primary Healthcare Center, Unnat Bharat Abhiyan and Evolve Cub organized a highly successful Hepatitis Test Campaign to commemorate World Hepatitis Day under G20 Presidential year. The primary objective of the campaign was to raise awareness about Hepatitis and provide free screening to the villagers.



The campaign commenced at 10:00 AM, and the enthusiastic participation of the villagers was overwhelming. A team of qualified medical professionals, along with university volunteers, set up testing stations and educational booths in the village center. Comprehensive information about Hepatitis, its causes, transmission, and preventive measures, shared with the villagers through interactive sessions and pamphlets.

The testing process carried out with utmost care and confidentiality, ensuring the comfort of the participants. The screenings covered Hepatitis A, B, and C. In total, 135 villagers voluntarily underwent the tests.

Immediate counseling and medical consultation provided to those diagnosed with the infection. The identified cases referred to the Saroda Village Primary Healthcare Center for further evaluation and treatment. Additionally, free vaccination offered to eligible individuals to prevent Hepatitis transmission.

The success of the campaign attributed to the proactive participation of the villagers and the collective efforts of Rai University, healthcare professionals, and volunteers (Students and Faculty Members). The event effectively raised awareness about Hepatitis, dispelling myths and misconceptions surrounding the disease.

Rai University's Hepatitis Test Campaign on World Hepatitis Day played a crucial role in sensitizing the villagers of Saroda about Hepatitis and promoting early

detection and prevention. The initiative served as a remarkable example of community engagement and health education, ensuring a healthier future for the Saroda Village residents.



Aarambh-2023 on August 2, 2023

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Rai University celebrated a grand Orientation Day named "Aarambh," symbolizing the beginning of an exciting journey for the first-year students in the fields of Pharmacy, Engineering, Management, Law, and Science. The event was a warm and vibrant occasion, held to extend a heartfelt welcome to the new batch and acquaint them with the upcoming academic year.



Rai University
EVOLVING THINKING MINDS

Welcome Freshers

Aarambh 2023

2nd August 2023

Organized By : Rai University, Ahmedabad (Gujarat), India
www.raiversity.edu | 

As the fresh faces stepped onto the campus, they were greeted with flowers, creating an atmosphere of camaraderie and enthusiasm. The faculty and senior students took the stage to introduce the university's values, mission, and various academic opportunities available to them. The newcomers were provided with essential information and guidelines to help them navigate their academic pursuits successfully.

To infuse some joy into the day, an entertaining Bollywood quiz and engaging fun games were organized, sparking excitement and laughter among the students. The event aimed to foster a sense of community and friendship among the students, creating an environment that would nurture their overall growth and development.

“Aarambh” also provided a platform for talented students to showcase their skills and passions. Many students displayed their artistic flair and creativity through mesmerizing performances, leaving the audience enthralled and inspired.

The Orientation Day at Rai University was a resounding success, setting the stage for an enriching academic year ahead.

The event not only helped the students familiarize themselves with the university and its offerings but also gave them an opportunity to bond with their peers and faculty members. With a promising start to their educational journey, the first-year students were well-prepared to embark on their path to success in their respective fields.



RSE Students and Faculty participation in RU TALKS on August 3, 2023

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Rai University organized a Guest Lecture on 'RU Talks' on 3rd August 2023 at 10:00 am. The speaker of the event was an eminent personality Ms. Marguerite Soeteman Reijnen, Chairman of Executive Board of Aon Holdings, Member of G-100 Global Chair, Member of the Global Alumni Board of Harvard Business School.

The event was start with Lamp lighting and Sarasvati Vandana The speaker Marguerite Soeteman Reijnen shared her knowledge and experience in Business Development which help entrepreneurs to start their businesses and help them in various stages. She also gives a brief idea regarding Customer Development and Marketing Strategy which help entrepreneurs to accelerate their business. A remarkable number of 118 students of RSE actively participated in the event, showcasing their keen interest in the subject matter. The event saw active participation from more than 15 faculties, including Heads of Departments (HODs).



Organized by:
Rai University, Ahmedabad

www.raiuniversity.edu

The faculty members engaged in insightful discussions, further enriching the learning experience.

The expert session aimed to provide valuable insights into business ideas, as well as knowledge about the legal and ethical steps crucial for startups. Ms. Marguerite Soeteman Reijnen shared her extensive experience and expertise, focusing on business development strategies and ethical considerations in the startup ecosystem.



The event was further enlightened by the interactive questions answer session in the last which gave true colors to the event and gave a chance to young students to speak about their doubts regarding innovations in businesses and the difference between various education systems. At the end of the session on behalf of Rai University Dr. Anil Tomar, Provost, Rai University, Ahmedabad offered a memento to Ms. Marguerite Soeteman Reijnen as a token of thanks. The event was concluded by Dr. Sailesh Iyer, Dean, Rai School of Engineering with an appreciative vote of thanks.

The university expresses its gratitude to Ms. Marguerite Soeteman Reijnen for sharing her expertise, and it looks forward to organizing more such enriching events to foster a culture of knowledge sharing and learning within the academic community.



**“Innovation & Entrepreneurship Outreach Program”
Organized by Rai University Ahmedabad on August 4, 2023**

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Rai University, Ahmedabad, hosted a groundbreaking “Innovation & Entrepreneurship Outreach Program” on August 4, 2023, conducted by the dynamic duo of Ms. Poonam Chakravarthy, Head of the Department (HOD), and Mr. Dhruv Trivedi, Assistant Professor in Rai School of Engineering. The program aimed to instill a spirit of innovation and entrepreneurship among students, providing them with essential skills and fostering a supportive ecosystem for budding entrepreneurs. The program also aimed to equip aspiring entrepreneurs with essential skills, create a supportive ecosystem for startups, and contribute to economic growth and job creation.



The event kicked off with inspiring presentations by seasoned entrepreneurs, sharing their personal journeys and success stories. These narratives inspired students to dream big and believe in their potential. Engaging workshops and interactive sessions introduced students to entrepreneurship basics, including idea generation, problem-solving, and the importance of innovation.

Real-life case studies of young entrepreneurs highlighted that age is not a barrier to pursuing dreams, reinforcing the belief that anyone can embark on an entrepreneurial journey. Hands-on activities, including prototype design and business plan simulations, provided practical insights into entrepreneurship concepts.

The program emphasized an entrepreneurial mindset, teaching students to view challenges as opportunities and embrace failure as a stepping stone to success. It also underscored entrepreneurship as a viable career option, introducing students to support systems like incubation centers and startup accelerators.

Team-building exercises and a visioning session concluded the program, leaving students inspired and equipped with the knowledge and mindset needed for entrepreneurial success. Rai University's Innovation & Entrepreneurship Outreach Program has undoubtedly ignited a passion for entrepreneurship among students, shaping a generation of creative thinkers and change makers poised to positively impact society's growth and progress.



Rai University celebrated 77th Independence Day On August 15, 2023

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Rai University marked the auspicious occasion of the 77th Independence Day with a jubilant and meaningful celebration, reverberated with both patriotic zeal and cultural grandeur. The event commenced on a solemn note with a dignified flag hoisting ceremony led by the esteemed Provost, Prof. Dr. Anil Tomar. The unfurling of the tricolor flag served as a poignant reminder of the immeasurable sacrifices made by India's valiant freedom fighters in their unwavering pursuit of liberty.



The commemorative affair blossomed into a captivating showcase of artistic prowess by the university's vibrant student body. A spellbinding Mime

performance took center stage, masterfully reenacting pivotal junctures from India's storied history. Through their meticulously choreographed movements, the students skillfully evoked the trials, triumphs, and pivotal milestones that have intricately woven the fabric of the nation's collective identity.

Celebrating the nation's rich tapestry of diversity and unity, the festivities continued with exuberant folk dances. These enchanting performances transported the audience on a cultural odyssey across the various regions of India, where the rhythmic footwork and resplendent costumes painted a vivid tableau of the country's cultural heritage.



The artistic panorama expanded as talented students graced the stage with emotive solo and group vocal performances. A remarkable number of 20 students



of RSE actively participated out of 30 students in the event. The melodies that resonated through the air were not only infused with patriotic fervor but also harmoniously encapsulated the coexistence of diverse musical traditions within India.

A moment of global solidarity took center stage as Ms. Natasha, an international student, eloquently shed light on the intricate relationship between Africa and India. Her insightful discourse underscored the shared historical experiences and emphasized the immense potential for future

collaboration between the two regions.

In culmination, Rai University's 77th Independence Day celebration emerged as an eloquent tapestry interwoven with patriotic pride and a celebration of cultural

diversity. The amalgamation of performances and speeches eloquently demonstrated the university's unwavering dedication to nurturing holistic individuals who are not only academically astute but also deeply ingrained in their cultural heritage and globally conscious.

As the event ended, a lively Garba Dance unfurled, uniting students and faculty members in a jubilant display of camaraderie. This spirited conclusion encapsulated the essence of the entire celebration—a harmonious blend of cultural richness and shared joy that

echoed the university's commitment to fostering a vibrant and inclusive community. The memories forged on this momentous day will undoubtedly serve as a wellspring of inspiration for all, spurring them to continue upholding the nation's growth, prosperity, and unity.



Business Plan Presentation & Quiz on World Population Day on August 21, 2023

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Rai University On August 21, 2023, Rai School of Management Studies at Rai University orchestrated a remarkable Entrepreneur Business Plan and Quiz event. This collaborative endeavor brought together esteemed associations including IIS, SSIP, Evolve, ISTE and under the G20 Presidential Year. The focal point of the event was the Business Plan Presentation competition, which showcased the ingenuity and strategic acumen of budding entrepreneurs. As participants' unveiled meticulously crafted business plans, seasoned observers provided insightful feedback, refining these innovative concepts. The event's primary objective was to augment participants' comprehension of business planning while nurturing their potential as future entrepreneurs.

The competition featured 8 teams presenting diverse business ideas spanning food outlets, sports, rental vehicles, hair care, pharmaceuticals, security services, LGBTQ welfare, and more. A remarkable number of 4 teams of RSE actively participated out of 8 teams in the event. Among them, the “Rainbow App” team comprising Ms. Aditi Shukla and Ms. Khushi Khoja, First Year BBA students, stood out. Their distinctive proposal centered on empowering the LGBTQ community through meaningful employment opportunities. Their presentation resonated with the judges, securing them a well-deserved victory. The team's profound grasp of community needs and preferences laid a strong foundation for their promising business startup concept.

Simultaneously, the Business Quiz engaged college students with a variety of thought-provoking questions, eliciting fervent participation. This segment not only elevated business knowledge but also complemented academic learning. A total of 25 students across different departments of Rai University participated, and Mr. Parmeet Kapoor, a B Tech student from Rai School of Engineering, clinched the top position. His expertise in commerce and industry shone brightly.

In commemoration of World Entrepreneurship Day, students from various departments partook in business plan presentations and the business quiz. These presentations underscored their entrepreneurial flair and a profit-oriented approach mindful of social responsibility. The quiz ignited a passion for business matters and nurtured their entrepreneurial zeal. It provided a competitive platform for aspiring businesspersons to assess their comprehension of commerce and industry within their respective domains.

Collectively, these competitions delivered invaluable insights into skill development, attitude shaping, and behavioral refinement through education, mentorship, and hands-on experience. By enhancing the prospects of these young aspirants, the event paved a promising path toward entrepreneurial success.



Academic Visit To “Startup Expo Gujarat at Vigyan Bhavan Science City Gujarat” on September 2, 2023

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The Rai University organized an academic visit to the Startup Expo held at Vigyan Bhavan Science City, Gujarat, with the primary objectives of providing a platform for startups, inspiring students and faculty, and fostering connections between innovative small businesses and potential resources. The visit aimed to amplify public awareness of critical innovation, entrepreneurship, and commercialization essential for global competitiveness and job creation.



The academic visit included students from various departments such as Rai School of Sciences, Rai School of Management Studies, School of Pharmacy, and Rai School of Engineering. The journey commenced on schedule, and all necessary precautions and attendance were recorded before departure. Dr. Dhanya J S provided participants with a brief overview of the visit's purpose.

The Startup Expo showcased innovative startups, allowing them to present their products and services to angel investors, venture capitalists, government officials, and renowned industrialists. The benefits of attending the expo included generating relevant connections and partnerships, investor interaction opportunities, and exposure to speakers like Mr. Ashneer Grover, founder of Bharat Pe and a participant in Shark Tank India.

The visit highlighted the importance of real-life industry exposure, beyond the academic curriculum, to contribute to the development of an entrepreneurial ecosystem in India. The participating students visited the expo at Science City, underwent security checks, and attended the inaugural session, including a Q&A session with Mr. Ashneer Grover.



The expo provided a platform for startups to exhibit their ideas and engage with potential customers, partners, and investors. The students gained insights into current startup trends, observed live demonstrations of various applications, and had the opportunity to interact with successful entrepreneurs.

More than 130 students participated in the visit, showcasing their creative ideas and receiving feedback from exhibitors. A remarkable number of 80 students of RSE actively participated out of 130 students in this academic visit. The day was deemed productive, with enthusiastic participation from Rai University students. The emphasis on going beyond textbooks, gaining practical skills, and the importance of startups for future development were key takeaways from the visit.

The expo team facilitated the visit, arranging food stalls and providing opportunities for students to interact with other exhibitors. The academic visit successfully bridged the gap between classroom learning and real-world applications, aligning with Rai University's commitment to linking education with practical exposure.

In summary, the Rai University Startup Expo Academic Visit achieved its objectives of providing a platform for startups, inspiring students, and fostering connections. The students gained valuable insights, interacted with industry experts, and witnessed the practical applications of startup ideas, contributing to their overall development.



RSE Students and Faculty participation in Workshop on Cloud Computing on September 4, 2023

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On September 4, 2023, Rai School of Engineering organized a comprehensive workshop on Cloud Computing, featuring Mr. Dhwani Shah, AVP of Technology and Solutions at Synoverge Technologies, as the distinguished speaker. The workshop aimed to equip 118 participating RSE students with a deep understanding of Cloud Computing fundamentals, real-world implementations, and insights into the skillsets and job profiles associated with this rapidly evolving field.



Mr. Dhwani Shah brought a wealth of experience, boasting over 20 years in the IT industry, with a primary focus on open source and cloud solutions. His extensive background included collaborations with clients from diverse domains such as IoT, industrial automation, retail, fintech startups, and education. Having worked in the USA for over eight years and engaged with clients globally, Shah's expertise spanned product engineering, from ideation to market delivery in a condensed timeframe.

The workshop encompassed various key elements, providing participants with a foundational understanding of Cloud Computing. Topics covered included types of cloud and cloud computing, the advantages and disadvantages of cloud computing, as well as the essential skillsets and job roles within the cloud computing domain.

Organized by Rai School of Engineering in collaboration with IIC (Institution of Innovation Council), CRC, and SSIP (Student Start-up and Innovation Policy) at Rai University, the workshop opened with Mr. Dhwani Shah enlightening students about the intricacies of Cloud Computing, drawing from his vast industry experience. The program aimed to bridge the gap between theoretical knowledge and practical implementation, offering real-world insights to aspiring students.

One of the workshop's highlights was the interactive nature of the session, allowing students to actively engage with the speaker and seek clarification on Cloud Computing concepts. Throughout the workshop, experts provided valuable advice and guidance to students, enhancing their understanding and encouraging skill development in the dynamic field of cloud computing.

The workshop's focus extended beyond theoretical aspects, delving into the practical applications of cloud solutions and emphasizing the skillsets required for success in the industry. The session concluded with a robust Q&A segment, where Mr. Dhwani Shah addressed the queries and doubts of the participants, ensuring a comprehensive understanding of the workshop content.

In summary, the Cloud Computing Workshop at Rai University on September 4, 2023, under the guidance of Mr. Dhwani Shah, successfully achieved its objective of imparting fundamental knowledge of cloud computing, providing insights into related skillsets and job profiles, and fostering interactive learning experiences for the participating students. The event contributed to the continuous efforts of Rai University to bridge the gap between academia and industry, preparing students for the challenges and opportunities in the ever-evolving landscape of cloud computing.



RSE Students participation in Teacher's Day Celebration on September 5, 2023

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On 05th Sept 2023, Rai University celebration teachers day in the eve of Dr. Sarvepalli Radhakrishnan president of India to make his birth anniversary. We gather here at School of Pharmacy to celebrate a special occasion that holds immense significance in the hearts of both students and teachers alike – Teacher's Day. This is a day where we express our heartfelt gratitude to the dedicated mentors who have shaped our lives and helped us become who we are today.

To make this Teacher's Day unique and memorable, this year, we decided to put a twist on the usual celebration. Instead of just appreciating our teachers, we want to foster a culture of learning and collaboration, where students also become teachers for a day.



Several students from different semester have come forward to conduct mini-lessons on various subjects. This not only helps us understand the effort teachers put into planning lessons but also showcases the talent and potential within our student body.

On this Day at Rai University Seminar Hall, all teachers, the Provost, and the Registrar gathered for a joyous cake-cutting ceremony. It symbolized our gratitude and respect for their dedication in nurturing our minds. A sweet moment of celebration and appreciation.

Games and Activities:-

Today's celebration isn't just about learning; it's also about fun and bonding. To create a joyous atmosphere, they have organized some exciting game and activities for teachers to enjoy together.

Musical Chair:-

This game is a fun twist on musical chairs. Teachers are dance around a circle of chairs, and when the music stops, they must quickly find a chair to sit in.

Treasure Hunt:-

In this treasure hunt game, teams of different stream teachers will work together to follow clues, solve riddles, and navigate the school grounds to find hidden treasures. This activity promotes teamwork, problem-solving, and a sense of adventure. Throughout the day, students have been expressing their appreciation for their teachers through heartfelt messages, cards, and small tokens of gratitude. The walls are adorned with colourful posters and artwork created by students to convey their love and respect. In addition to the games and activities, students have also prepared various cultural performances. There will be songs, dances, and skits dedicated to our teachers, showcasing our gratitude through the arts.



Pre-Janmashtami Celebration @ RU on September 6, 2023

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The Reet Club of Rai University brought the essence of Janmashtami alive with a vibrant celebration that included traditional activities like Dahi Handi, Garba dance, and the added flair of participants donning Gopi and Gwala outfits. The event was a joyful amalgamation of culture and devotion.

The day began with the Dahi Handi competition, where teams enthusiastically formed human pyramids



to break the suspended pot of yogurt. This symbolic act paid homage to Lord Krishna's mischievous nature as a child. The spirited participants, dressed in colorful Gopi and Gwala attire, added an authentic touch to the celebration. After the Dahi Handi ritual, the campus reverberated with the rhythmic beats of the dhol as students, faculty, and staff engaged in Garba dance. Draped in traditional outfits, they swirled and twirled, showcasing their enthusiasm for the festival.

The Reet Club's Janmashtami celebration not only honored Lord Krishna's birth but also celebrated the rich tapestry of Indian culture. It was a day of cultural immersion, unity, and festivity that left lasting memories for all who participated.

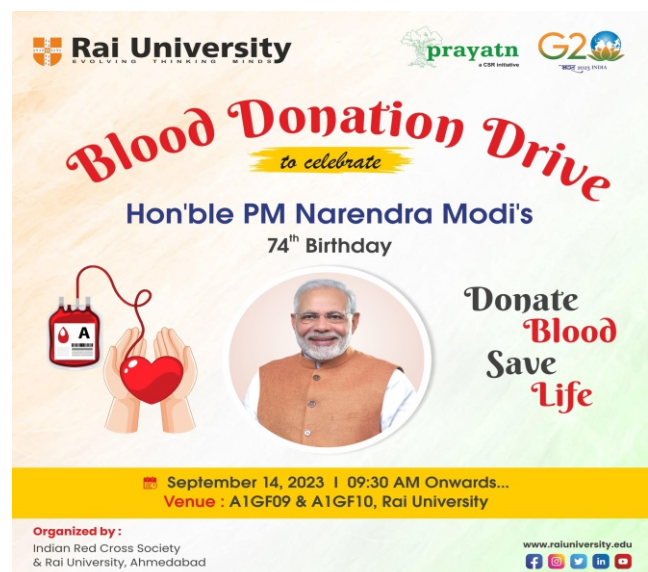


Rai University's Evolve Club Organizes Blood Donation Drive in Celebration of PM Modi's 74th Birthday on September 14, 2023

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Rai University's Evolve Club, in collaboration with the Indian Red Cross Society, orchestrated a commendable Blood Donation Drive on Hon'ble Prime Minister Narendra Modi's 74th birthday. The Rai family demonstrated unwavering support by generously donating blood, contributing significantly to this noble cause.





Two dedicated students led this remarkable initiative, Vivek Roy from BBA Sem-3 and Vijay Raval from MBA-3, who volunteered their time and efforts to ensure its successful execution. Their dedication and commitment duly acknowledged and appreciated by the university.

The event witnessed an impressive turnout of students, faculty, and staff, all united by their shared commitment to serving the community. The collected blood units will undoubtedly prove invaluable in saving lives during emergencies.

Rai University remains committed to promoting social responsibility and humanitarian values among its members. This Blood Donation Drive, in honor of PM Modi's birthday, underscores the university's dedication to these ideals.



Report on Hindi Divas Celebration at RU on September 14, 2023

Post URL:

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Evolve club of Rai University celebrated Hindi Diwas in association with IIC, SSIP, RSMS on September 14, 2023 under G20 Presidential year. Hindi Diwas with an offline event titled "Hindi Samvad," attracting the participation of 70 students and 10 faculty members. A remarkable number of 40 students of RSE actively participated in this event. The event aimed to raise awareness about Hindi as one of India's official

languages and encourage students to engage in various Hindi language-related activities, including poem recitations and essays.

The event fostered a deep appreciation for the Hindi language, motivating and positively influencing the youth. Hindi Diwas, initially celebrated in 1953, marked a significant milestone in promoting the language. This year's celebration at Rai University featured two student-friendly competitions under the "Hindi Samvad" theme: Hindi Poem Recitation and Hindi Elocution Competition.

Around 40 students participated in these events, with on-the-spot registrations further encouraging participation. The students showcased their creativity and knowledge in the Poem Recitation, while the Elocution Competition allowed them to articulate their thoughts on specific themes.

The event's highlights included active participation from students across different branches, fostering a sense of enthusiasm and unity. It provided a platform for students to express themselves in Hindi, emphasizing its importance. Notably, the competition welcomed fresh and creative perspectives, offering participants a chance to win prizes and recognition.

The winners of the Poem Recitation were Mahek Jaiswal (1st prize) and Sayli Saw (Runner-up). In the Elocution Competition, Priya Rajput claimed the 1st Prize, with Abhishek Singh as the Runner-up.

In summary, the "Hindi Samvad" event at Rai University on Hindi Diwas successfully promoted Hindi language and culture, inspiring students to embrace and celebrate their linguistic heritage while showcasing their talents and creativity.



Report on Engineer's Day Celebration at Rai School of Engineering on September 15, 2023

Post URL:

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The Engineer's Day Celebration at Rai School of Engineering on September 15, 2023, was a resounding success, bringing together 136 enthusiastic RSE students and over 18 faculties, including Heads of Departments. The primary goal of the event was to impart knowledge about Engineers' Day and provide a platform for meaningful interactions with esteemed guests.



Engineering Day is a significant event dedicated to celebrating the achievements, innovations, and talents of our engineering students. Rai University organized a workshop on 'Engineers Day Celebration' on 15th September 2023 at 10:00 am. The speaker of the workshop was an eminent personality Mr. Amit Kholkute 23 years of professional experience in SAP. He is ERP practitioner and researcher. He is working with Tata Consultancy Services and playing multiple roles ranging from SAP consultant, Technical architect, project and program management, delivery head serving the customers across the globe transforming their IT footprint to ERP, Sustaining the same and advising them to adopt their innovation for standardization and simplification of their IT application footprint. In his present role he is working with global customers as advisor for modernization of ERP - SAP to enable digital transformations.



Mr. Amit Kholkute completed his master's degree from BITS Pilani in Mechanical Engineering and bachelor's degree in Production Engineering from Nagpur University. He is pursuing his PHD from GLS university Ahmedabad in Management(ERP).

He also shared his industrial journey with the students and some life long learnings which is very useful for the students. The session was further highlighted on the word “Engineers”. He explained the how this world is getting revolutionized by engineers. He also motivated students to create something magnificent being an Engineer which can be memorized by upcoming generations.

Highlights of Engineers day celebration

1. Poster and Model Presentation Competition :

The Engineering Day festivities kicked off with a Poster and Model Presentation Competition. Students from various engineering departments participated in this event, displaying their projects, innovative designs, and engineering solutions. The competition provided a platform for students to showcase their creativity and technical expertise. Mr. Kamlesh Patel, Dr. Sandip Chandra, Dr. Dhanya J.S. was the judges of the model presentation and Ms. Poonam Chakravarty, Ms. Bhoomi Patel, Dr. Purvi Kalal was the judges for the Poster presentation. Judges, consisting of faculty members and industry professionals, evaluated the presentations based on content, clarity, and innovation.



2. Treasure Hunt for Students :

One of the most anticipated activities of the day was the Treasure Hunt, which saw enthusiastic participation from 60 teams of students. The treasure hunt challenged teams to solve puzzles, follow clues, and navigate through the campus to uncover hidden treasures. It was a thrilling adventure that tested teamwork, problem-solving skills, and quick thinking.

3. Quiz for the Top Ten Teams :

After an exhilarating treasure hunt, the top ten teams emerged as finalists and advanced to the Engineering Quiz. This quiz was designed to assess their engineering knowledge, critical thinking abilities, and awareness of current technological trends. The competition was intense, with participants demonstrating their mastery of engineering concepts and principles.

4. Prize Distribution :

The climax of the Engineering Day celebration was the Prize Distribution ceremony, where the winners of the Poster and Model Presentation Competition,

the Treasure Hunt, and the Engineering Quiz were recognized and rewarded for their exceptional efforts. Prizes included certificates and trophies.

In Poster Presentation competition, Yagnik Krupali has secured 3rd rank, Dhruvi Jani & Prince Raj has secured 2nd rank and the 1st rank is secured by Abhishek Sharma, Jagdeep Mohanty, Harsh Tiwari, Abhinav Samntra and Anand Maurya.

In Model Presentation, Dushyant Bhoi & Arkan Shekh has secured 3rd rank, Yakub Khan, Ritish Raval, Ravi Gajjar & Taxak Gajjar has secured 2nd rank and the 1st rank is secured by Mrunal Gaikwad, Pushkar Singh and Sheikh Asif.

In Treasure Hunt and Kahoot Quiz, Rahul Kumar Sohil, Tanmay Shivam has secured 3rd rank, Natasha Chhikodzor, Tapasvi Jha, Priya Sana, Sneha Raj & Khushboo Giri has secured 2nd rank and the 1st rank is secured by Mohammad Kapasi, Harsha and Dev Saini.

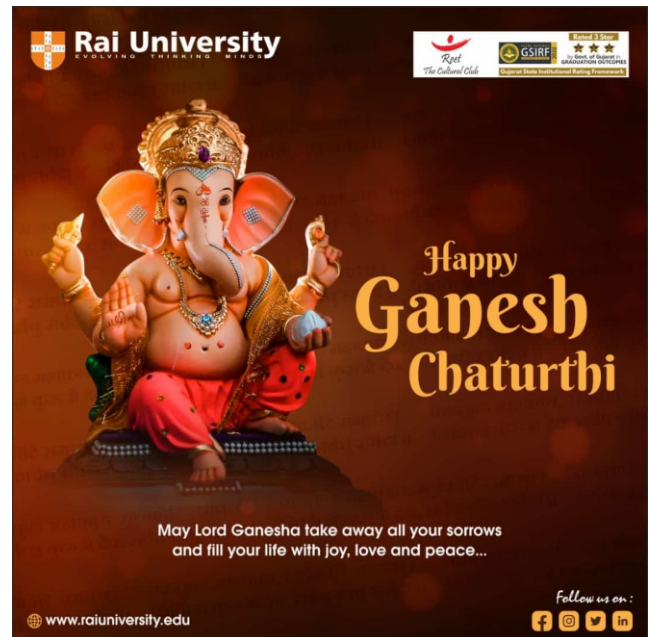


Ganesh Chaturthi Celebration on September 19, 2023

Post URL:

https://www.instagram.com/reel/Cxa5P1GSv_B/?utm_source=ig_web_copy_link&igshid=MzRIODBiNWFIZA==

Ganesh Chaturthi, the festival celebrating the birth of Lord Ganesh, was observed at Rai University with great devotion and enthusiasm. The entire university community, including students and staff, came together to participate in various rituals and festivities during this auspicious occasion.



Puja Initiation by Provost Sir

The celebration began with a ceremonial puja that was initiated by our respected Provost Sir. This marked the commencement of a spiritually significant day. The puja was conducted with traditional rituals, including the lighting of the lamp, Vedic chants, and offerings to Lord Ganesh's idol. Provost Sir's presence added a sense of solemnity and reverence to the event.

Anjali and Prasad

After the puja, all students and staff members gathered to perform the 'Anjali' ritual. With folded hands and heartfelt prayers, they offered their respects and sought the blessings of Lord Ganesh. This moment of devotion allowed everyone to connect with the essence of the festival.

Following the 'Anjali' ritual, 'Prasad' was distributed to all present. Sweets and fruits were shared among the attendees, symbolizing the blessings and benevolence of Lord Ganesh. This act of sharing fostered unity and a sense of community.

Stay of Lord Ganesh's Idol

Lord Ganesh's idol graced our campus for a five-day stay, which allowed students and staff to continue seeking His blessings. Every morning at 9:30 AM, an 'Anjali' ceremony was conducted, where members of the university community came together to pay their respects and offer prayers to the deity.

Bisarjan (Immersion) Ceremony

The culmination of the Ganesh Chaturthi celebration was the 'Bisarjan' or immersion ceremony, which took place on September 23rd. This ritual symbolized

the return of Lord Ganesha to His celestial abode. The entire university community participated in the procession, joyfully dancing and singing hymns to bid farewell to the deity.

Festivities During Bisarjan

The 'Bisarjan' day was marked with vibrant celebrations. Students and staff members enjoyed dancing, singing devotional songs, and participating in cultural performances. The atmosphere was filled with joy, unity, and a sense of togetherness.

On the day of 'Bisarjan,' a communal meal was organized for all students and staff members. This meal provided an opportunity for everyone to bond, share stories, and strengthen the sense of belonging within the university community.

The Ganesh Chaturthi celebration at Rai University was a beautiful expression of devotion, culture, and unity. It allowed students and staff to come together, celebrate, and seek the blessings of Lord Ganesha. The five-day stay of the deity, daily 'Anjali' ceremonies, the grand 'Bisarjan' procession, and the communal meal all contributed to making this celebration a memorable and spiritually enriching event.

We extend our heartfelt gratitude to all the students, staff, and organizers whose dedication and participation made this celebration a grand success. May the blessings of Lord Ganesha continue to guide us, and may our university community always remain close-knit and harmonious



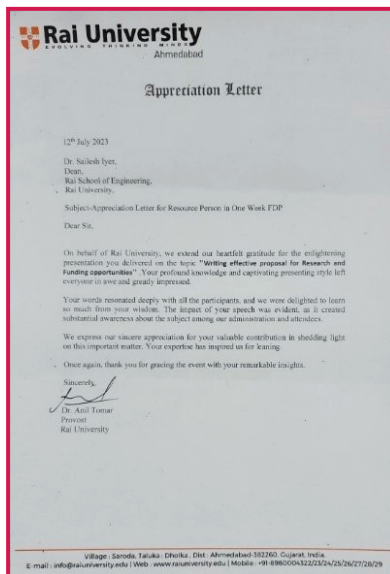
FACULTY ACHIEVEMENT

Dr. Sailesh Iyer

Professor and Dean, CSE/IT Department,
Rai School of Engineering President,
RU IIC and RU Nodal Officer-GSIRF.



Invited as Keynote Speaker and Technical Program Committee at 7th Global Webinar on Applied Science, Engineering and Technology held at Bangalore, India organized by Global Scientific Guide from 5th and 6th July, 2023.



Delivered an Expert Session to the faculties of Rai University as Resource Person in One Week FDP on Writing Effective Proposal for Research and Funding Opportunities organized by RSMS and IQAC, Rai University, Ahmedabad on 12th July, 2023.

Invited as Keynote Speaker at Faculty Development Program on Shape your academics institution in to an "Institute of Excellence" held at Bengaluru, India organized by Institute for Engineering Research and Publication (IFERP) on 12th to 14th July, 2023.

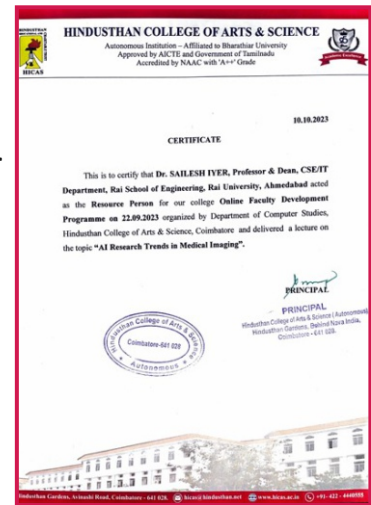


Dr. Iyer gained a milestone in academic excellence as he have received a post doc titled Investigation and Prediction of medical image analysis and visualization using machine learning from University of Louisiana at Lafayette, USA on 31st August, 2023.



Registered and published a utility patent on An IOT based automatic system for producing organic vermicompost in Bundesrepublik Deutschland (Urkunde) on 1st September, 2023 with Patent number 202023104309.

Published a research article on A Novel Approach for Detection of Soybean Leaf Disease Using Bayesian Optimized-KNN Classifier with NCA-Based Feature Selection in International Conference on Emerging Trends and Technologies on Intelligent Systems on 20th September, 2023.



Invited as Keynote Speaker and Resource Person at Online Faculty Development Programme on AI Research Trends in Medical Imaging held at Hindusthan College of Arts and Science, at Coimbatore on 22nd September, 2023.



Mr. Yashesh Darji

Dy. Registrar IQAC, Assistant Professor,
Mechanical Engineering Department
Qualification : M.E. Ph.D Pursuing in AMS



Registered and published an Indian utility patent on analysis of cost effective solar powered charging station for electric vehicle in Intellectual Property India on 28th July, 2023 with Patent number 202321042372



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



INTELLECTUAL PROPERTY INDIA
PATENT, DESIGN, TRADE MARKS & GEOGRAPHICAL INDICATIONS

Application Details	
APPLICATION NUMBER	202321042372
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	24/06/2023
APPLICANT NAME	1. Mr. Gourav Kumar Singh 2. Dr. Shivom Singh 3. Mr. Priyank Chaturvedi 4. Dr. Shallesh Kantilal Patel 5. Mrs. Najmushter H 6. Mrs. Husna Tabassum 7. Dr. Prajakta Somaji Ratnaparkhi 8. Mrs. Matta Asha Aruna Sheela 9. Mrs. P. Gayathri 10. Mr. Yashesh Anilkumar Darji 11. Dr. Vallabhuni Vijay 12. Roopesh Kumar 13. Dr. V. Kannan 14. Mr. J. Logeshwaran
TITLE OF INVENTION	ANALYSIS OF COST EFFECTIVE SOLAR POWERED CHARGING STATION FOR ELECTRIC VEHICLE
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	arinnaipatent@gmail.com
ADDITIONAL-EMAIL (As Per Record)	arinnaipatent@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (UIS 11A)	28/07/2023

Mr. Kamlesh Patel

Assistant Professor,
Mechanical Engineering Department
Qualification: M.E. Ph.D Pursuing
in Mechanical Engineering



Mr. Rajat Solanki

Assistant Professor,
Mechanical Engineering Department
Qualification: M.E. Ph.D Pursuing
in Mechanical Production Engineering



Mr. Ajay Thori

Assistant Professor,
Mechanical Engineering Department
Qualification: M.E. in Mechanical
Production Engineering





Registered and published an Indian utility patent on artificial intelligence based automated activation mechanism integrated k-type fire extinguisher mobile robot in Intellectual Property right India on 22nd September, 2023 with Patent number 202321045683 with collaboration with Mr. Yashesh darji and Dr. Sailesh Iyer.

Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details	
APPLICATION NUMBER	202321045683
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/07/2023
APPLICANT NAME	1. Solanki Rajat Rajeshkumar 2. Dr Renu Kachhoria 3. Mr. Yashesh Anilkumar Darji 4. Dr. Sailesh Iyer 5. Mr. Kamleshkumar L Patel 6. Mr. Ajay Thori 7. Dr. Dilipkumar S. Patel 8. Dr. Rupali Atul Mahajan 9. Dr. Sharik Ahmad 10. Dr. Tapsi Nagpal
TITLE OF INVENTION	ARTIFICIAL INTELLIGENCE BASED AUTOMATED ACTIVATION MECHANISM INTEGRATED K-TYPE FIRE EXTINGUISHER MOBILE ROBOT
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	ramesh.pandia.mech@gmail.com
ADDITIONAL-E-MAIL (As Per Record)	ramesh.pandia.mech@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	22/09/2023

Dr. Hardik Patel

Head of Student Section Department & Assistant Professor, Department of CSE/IT
Qualification : M.E. Ph.D



Congratulations on completing Ph.D. and successfully defending the viva- voce on Enhanced Multimedia Mining Model for SEO under the guidance of Dr. Sailesh Iyer.

Rai University
EVOLVING THINKING MINDS
Ahmedabad

RUG/AHD/EXAM/Ph.D./NO. F/2023-24/18 Date: 11th August, 2023

DECLARATION OF RESULT
NOTIFICATION

It is hereby notified that on the report of the referees, the thesis submitted by the under mentioned candidate, the University has accepted the thesis for the Degree of Doctor of Philosophy (Ph.D) in the Faculty mentioned below and the candidate has been declared eligible for the award of the Degree of Doctor of Philosophy of this University as per the UGC regulation of 2016 Act, on minimum standards and procedures for the award of the same.

Name of Candidate	Hardik Bhikhabhai Patel
UID	U42000003631
Subject Area	Computer Engineering
Department	Department of Computer Science and Information Technology, Rai School of Engineering
Title of Thesis	ENHANCED MULTIMEDIA MINING MODEL FOR SEO
Name of Guide	Dr. Sailesh Iyer
Date of Viva-Voce	26.07.2023
Date of Notification	10.08.2023
Ref. No.	RUG-Ahd/AC/2023/0701

Registrar
Rai University, Ahmedabad.

Place of Issue: Ahmedabad
Date of Issue: 16/08/2023

Copy forwarded with compliments to:

- Head, Concerned department, Rai University
- Concerned Research Supervisor
- Advisor, RCG, Ahmedabad
- Commissioner of Higher Education, Gandhinagar
- Director, Technical Education, Gandhinagar
- Education Minister, Government of Gujarat, Gandhinagar
- Principal Secretary, Higher and Technical Education, Gandhinagar
- Director, INFLIBNET, Gandhinagar
- Secretary, UGC, New Delhi
- President, Association of Indian Universities, New Delhi

Village : Saroda, Taluka : Dholka , Dist : Ahmedabad-382260, Gujarat, India.
mail : info@raiuniversity.edu | Web : www.raioniversity.edu | Mobile : +91-896004322/23/24/25/26/27/28/29

STUDENT ACHIEVEMENT

Harsh Rajesh Khatri, a third-semester MCA student with UID U170742022F30602, participated in the ISKU All Gujarat Independence Karate Cup 2023 at Anand Niketan School, Shilaj, Ahmedabad. The event, held on August 13, 2023, brought together a significant number of participants, with more than 300 individuals showcasing their karate prowess.





ARTICLES

"Elevating Ahmedabad's Lifestyle: The Ahmedabad Metro's Promise and Progress" July 05, 2023

The Metro Rail project in Ahmedabad is a significant infrastructure development aimed at enhancing the city's public transportation system. Here's a detailed description of the progress, challenges, and benefits of this transportation expansion:

Progress:

Phase I Completion: The Ahmedabad Metro Rail project is being implemented in two phases. As of my last knowledge update in January 2022, Phase I of the project was well underway. This phase covers two corridors:

North-South Corridor: Running from Motera to APMC (Vastral) with a total length of approximately 18.87 km.

East-West Corridor: Stretching from Thaltej to Vastral Gam with a total length of around 20.73 km.

Operational Lines: By this time, some sections of Phase I were already operational, offering residents a taste of the benefits of metro transportation. For instance, parts of the North-South Corridor, including the stretch between Vastral Gam and Apparel Park, were operational. The East-West Corridor was also expected to have operational sections.

Rapid Progress: The project witnessed rapid progress with the construction of elevated viaducts, stations, and depots. The use of advanced construction techniques, including precast segments and specialized machinery, expedited the construction process.

Safety Measures: Safety measures, such as fire safety systems and security provisions, were incorporated into the design and construction of metro stations and trains.

Challenges:

Land Acquisition: Land acquisition for the project was a significant challenge, particularly in densely populated areas. Displacement of residents and businesses raised issues of compensation and resettlement.

Traffic Congestion: The construction work added to the city's existing traffic congestion. Managing traffic disruptions while ensuring the safety of commuters and workers was a challenge.

Environmental Concerns: Environmental concerns, including the impact on green spaces, were raised. Measures were taken to mitigate the environmental impact of the project.

Funding and Financing: Securing adequate funds for the project was a challenge. Balancing the budget and ensuring that the project remained financially viable was an ongoing concern.

Benefits:

Reduced Traffic Congestion: The Ahmedabad Metro Rail project aimed to provide a reliable alternative to road transport, thus reducing traffic congestion in the city. This, in turn, would lead to shorter commute times and lower air pollution.

Improved Connectivity: The metro system was set to enhance connectivity within Ahmedabad, making it easier for people to access different parts of the city for work, education, and leisure.

Economic Development: The project was expected to stimulate economic development along the metro corridors, creating opportunities for businesses and residents alike.

Environmentally Friendly: Metro systems are generally more energy-efficient and have a lower carbon footprint compared to private vehicles. The metro would contribute to reducing air pollution and promoting a more sustainable mode of transportation.

Safety and Comfort: The metro would provide a safe and comfortable mode of transport, especially during adverse weather conditions. It would be equipped with modern amenities, including air conditioning and accessibility features for people with disabilities.

Reduced Fuel Consumption: As more people choose the metro, there would be a reduction in fuel consumption and greenhouse gas emissions, contributing to a cleaner and greener Ahmedabad.



By: **Vaishali Mahavar**
Assistant Professor,
Department of Civil Engineering,
Rai School of Engineering,
Rai University, Ahmedabad

AI News Digest: TED Talks on Design & UX, July 15, 2023

'Design and TED have shared a close relationship since the start of the conference in 1984. In fact, TED dedicates the "D" in its name to design, which explains how design and the inspiring platform have grown together.'

The First Secret Of Great Design is... Noticing

Let's begin with insider secrets that all young designers should know as they prepare to jump into the UX field. Tony Fadell, who created the concept of the iPod and co-founded Nest Labs, holds observation as the chief secret of good design.

The 4 Superpowers Of Design

In this talk, Kevin Bethune addresses the misconception of what design is and who designers are. To add clarity to the definition of designs and designers, he dives into the superpowers that all designers share. These superpowers help shape emotional connections between businesses and their audiences by unlocking solutions for users.

How Giant Website Design For You (And A Billion Other , Too)

About 2.3 billion individuals use Facebook each month, and more than half of them use the famous “like” button. In fact, it falls among the most viewed design elements in the world. A redesign of the button in 2016 took half a year. This begs the question: what does it take to redesign such a tiny button that such a large audience is accustomed to using?

The Complex Relationship Between Data And Design In UX

Undeniably, UX design revolves around enhancing user experience. However, data can be the means to that end as it helps designers understand user preferences. This TED Talk by Rochelle King elaborates on the nature of the relationship between data and design.

The Art Of First Impressions – In Design And Life

Chip Kidd, a book designer, focuses on the first impression that designs leave. In an engaging session, Kidd explains that designers need to balance two techniques correctly—clarity and mystery—which he calls the yin and yang of design. Aspiring UXers can learn a lot from this. Clarity makes your point clear to the user, reflecting sincerity. On the other hand, mystery, as Kidd puts it, “demands to be decoded,” provided it is done right.

Design, Explained

Preparing yourself for getting a UX internship or adding the finishing touches to your portfolio? Destress from the worry by tuning into humorist and writer John Hodgman’s TED Talk, in which he shares his comic take on design. By breaking down the design of three modern iconic objects, Hodgman lightens up the mood and thoroughly entertains his viewers.

When We Design For Disability, We All Benefit

Elise Roy, a former disability lawyer and human-centered designer who is deaf, centers her talk around design thinking. This is the process of finding solution-based answers to problems. She points out the need for change in a designer’s mindset—designing for the disabled first. Roy shares examples of designs that were first designed for people with disabilities and came to become inclusive as all the users found them useful.



By; **Harsh Bagadiya**
B.tech Sem-V
Rai School of Engineering,
Rai University, Ahmedabad

Center plans Rs 12000cr Brahmani inland waterway, August 22, 2023

The center is preparing a rs-12000cr inland waterway on the Brahmani river in Odisha to move goods from your industrial clusters to ports of Paradip and dharma under the proposed plan the infrastructure component will be done by the government on an engineering procurement and construction (EPC) model.

There is also a commitment from the state government to take up the project," he added this project will require funding support from the central government due to its capital-intensive nature. Major investment is needed in dredging, and in navigational locks to manage depth differences in the river.

A special purpose vehicle between Coal India Limited (CIL), Inland Waterways Authority of India (IWAI), Paradip Port and the Odisha government will be developing the infrastructure required to operationalise the National Waterway 5 (NW5)," a senior government official told ET, noting that an in-principle approval to form the SPV has been taken by the respective company boards.

Investment by the SPV partners will be commensurate with the shareholding pattern of the entity," the official said, adding that presently 1 million tonne of cargo per annum (mtpa) is moved on NW5 and is likely to touch 12-14 mtpa by 2030.

Once complete, the terminal and vessel operations will be in the public-private partnership (PPP) mode. JSW Group and Adani Group are said to have shown interest in donning this role.



By; **Yakub Khan**
Diploma Civil 3rd Sem
U164752022F104001
Rai School of Engineering
Rai University, Saroda

AI News Digest:5 things Bard can do that ChatGPT can't, August 12, 2023

Google has just unveiled its latest innovation, a formidable contender to its free language model competitor ChatGPT. Say hello to Bard, a groundbreaking AI assistant that goes beyond text-based interactions to provide users with an immersive and dynamic experience. With its exceptional capabilities and exciting features, Bard is set to revolutionize the way we interact with AI.

Realtime Internet Access

While ChatGPT is yet to provide realtime internet access to most of its users, Bard has taken a leap forward. Offering free and instantaneous internet access, Bard opens the floodgates to a vast ocean of knowledge and real-time updates.

Imagine asking Bard questions about the latest stock prices, upcoming trends, or current events. With Bard, you can explore the world of information without constraints.

Summarize Web Pages

Bard's internet access comes with a remarkable feature – the ability to summarize web pages effortlessly. Simply provide Bard with a link, and it will summarize articles, research papers, or official documents for you. No longer will you need to spend precious time reading lengthy texts; Bard distills the essence of information, making it easily digestible. Furthermore, you can engage in insightful conversations with Bard about the linked content, gaining a deeper understanding of the subject matter.

Images as Input

Unlike ChatGPT, which solely relies on text input, Bard breaks new ground by allowing users to prompt images. This exciting feature enables you to engage in image-based interactions, tapping into the rich visual realm. You can ask Bard questions about where an image was taken, seek explanations for the events unfolding within the image, or even generate captivating captions to accompany your visual content on social media. Google promises that this image input functionality will be available in just a few weeks, introducing an unprecedented level of interactivity.

Explaining Code

With its seamless internet access, Bard brings a wealth of programming knowledge to the table. If you're a developer seeking assistance or an explanation of a code snippet, you can share a GitHub link with Bard. Ask Bard to unravel the intricacies of the code and provide you with meaningful insights. This exciting feature empowers developers to learn and grow more effectively, making Bard an invaluable companion in the world of programming.

Export Feature

One of the limitations of ChatGPT is the lack of seamless export options. Bard, however, removes this hurdle, allowing you to effortlessly export the text generated from your interactions. Whether it's an insightful conversation, a creative piece, or important information, you can directly export it into Gmail and Google Docs. Google has also announced upcoming support for exporting to other popular applications, promising a future where the output of your Bard sessions can seamlessly integrate into your preferred platforms.



By: **Ankit Das**

B.Tech Sem-V

Rai School of Engineering,
Rai University, Ahmedabad



Python: The Versatile Programming Language, September 5, 2023

Python, often referred to as the "Swiss Army Knife" of programming languages, has emerged as a cornerstone in the world of software development. Known for its simplicity, readability, and versatility, Python has garnered a vast and dedicated community of developers. In this article, we'll explore what makes Python unique and why it has become one of the most popular programming languages in the world.

A Language for Everyone:

Python's design philosophy emphasizes code readability, which is why it uses a clean and easily understandable syntax. This characteristic makes Python an ideal choice for beginners learning to program. It's also well-suited for experienced developers who appreciate the ease and speed with which they can turn ideas into code.

Applications Across the Board:

Python's versatility extends to its range of applications. Whether you're interested in web development, data analysis, machine learning, scientific computing, or even game development, Python has libraries and frameworks to support your endeavors. For web development, Flask and Django are popular choices, while NumPy and pandas excel in data analysis. TensorFlow and PyTorch are leading libraries for machine learning and deep learning.

An Open Source Community:

Python's strength lies in its active and passionate community. Python is open source, meaning its source code is freely available, and anyone can contribute to its development. This community-driven approach ensures that Python stays up-to-date, secure, and continuously improves. The Python Package Index (PyPI) hosts thousands of third-party libraries and packages, making it easy for developers to extend Python's capabilities.

Cross-Platform Compatibility:

Python is cross-platform, which means you can write code on one operating system and run it on another without modification. This flexibility is particularly useful in scenarios where you need to develop software for multiple platforms, such as Windows, macOS, and Linux.

Python in Education:

Python's ease of learning and readability have made it a favorite in educational settings. Many schools and universities incorporate Python into their computer science curriculum. Its simple syntax helps students grasp programming concepts quickly, setting them on a path to becoming proficient developers.

The Future of Python:

Python continues to evolve. Python 3, released in 2008, brought significant improvements over Python 2 and is now the standard. Python's development community is currently working on Python 4, which is expected to bring even more enhancements and features to the language. In conclusion, Python's simplicity, versatility, and strong community support have propelled it to the forefront of the programming world. Whether you're a beginner learning your first programming language or an experienced developer looking for a powerful tool, Python has something to offer. Its future looks bright as it continues to adapt and grow, remaining a top choice for programmers across the globe.



By: **Krunal Jaisval**
Student, Diploma CE, I Sem
Rai School of Engineering,
Rai university, Ahmedabad

Navigating the AI Frontier: A Journey Through Recent AI News September 13, 2023

Prepare to embark on an exhilarating voyage into the ever-evolving universe of artificial intelligence with our comprehensive AI News article. In this meticulously curated piece, we present a panoramic view of the very latest developments, breakthroughs, and trends that are propelling the world of AI into uncharted territories.

1. AI-Powered FRIDA Robot Collaborates with Artists

After ChatGPT shocked the world with its abilities, researchers at Carnegie Mellon University created an AI-powered robot that, according to a press release, can create beautiful art on physical canvas with the help of simple text prompts.

2. New AI Technology Could Change Game Prep for Super Bowl Teams

New artificial intelligence technology being developed by engineers at Brigham Young University could significantly cut down on the time and cost that goes into film study for Super Bowl-bound teams and all NFL and college football teams while also enhancing game strategy by harnessing the power of big data.

3. AI Can Predict The Effectiveness Of Breast Cancer Chemotherapy

Engineers at the University of Waterloo have developed artificial intelligence (AI) technology to predict if women with breast cancer would benefit from chemotherapy prior to surgery.

4. Chat GPT Reaches 100 Million Unique Monthly Users

ChatGPT has hit an estimated 100 million monthly active users making it the fastest-growing consumer internet application in history. TikTok, in comparison, took about nine months after its global launch to reach 100 million users.

5. 'Smart' Walking Stick Could Help the Visually Impaired With Groceries And Finding A Seat

A team of computer science engineers at the University of Colorado Boulder is tapping into advances in artificial intelligence to develop a new kind of walking stick for people who are blind or visually impaired.



By; **Prameet Kapoor**

B.tech Sem-V

Rai School of Engineering,
Rai University, Ahmedabad

**RSE CONNECT DIGITAL NEWS LETTER COMMITTEE (2023-24)**

Name	Designation	Position
Dr. Sailesh Iyer	Dean, Rai School of Engineering	Chief Editor
Mr. Naman Bhavsar	Assistant Professor	Assistant Editor
Mr. Dhruv Trivedi	Assistant Professor	Member
Mr. Ajay Thori	Assistant Professor	Member
Mr. Rajat Solanki	Assistant Professor	Member
Mr. Falgun Parekh	Graphics Designer	Member
Mr. Prince Raj Parbat	Student	Student Coordinator
Mr. Prameet Kapoor	Student	Student Coordinator
Mr. Heet Talati	Student	Student Coordinator

SH-144, Village - Saroda, Taluka - Dholka, Dist. - Ahmedabad-382260 Gujarat (India).

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