



DNABIT



VOLUME 8

Academic Year

2023-24

2024-25



College of Agricultural Information Technology,
Anand Agricultural University, Anand - 388110



The Executive Committee of the **Knowledge Consortium of Gujarat,**
Department of Education, Government of Gujarat on the recommendation of
the duly appointed **assessment & rating agency**, the Indian Centre for Academic
Rankings and Excellence (**ICARE**) has rated

College Of Agricultural Information Technology



as a **4 Star** Institution in the category of
College on the basis of comprehensive performance metrics as set out in the
Gujarat State Institutional Ratings Framework (GSIRF)
on the 2nd December 2024.



BY ORDER

Sunaina Tomar IAS
Additional Chief Secretary
(Higher and Technical Education)
Government of Gujarat

Gaurav Dinesh Ramesh IAS
Director (Higher Education)
Government of Gujarat

Prof AU Patel
Advisor
Knowledge Consortium of Gujarat
Government of Gujarat

Dr Karthick Sridhar
Vice Chairman
Indian Centre for Academic
Rankings and Excellence

VALID UPTO 31st May 2025

DNABIT

A College Magazine

(2023-2025)

Volume 8



Published by

COLLEGE OF AGRICULTURAL INFORMATION TECHNOLOGY

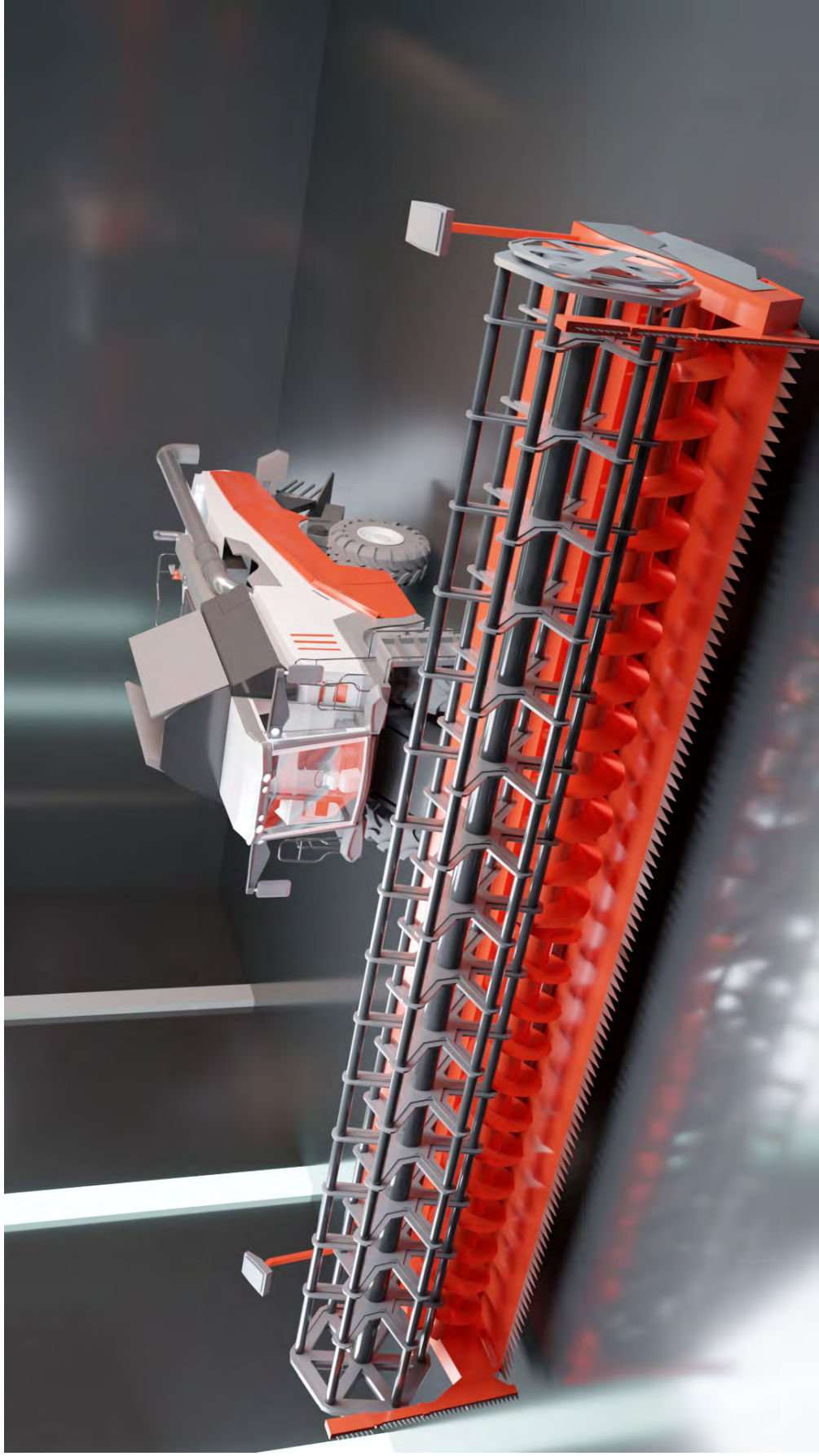
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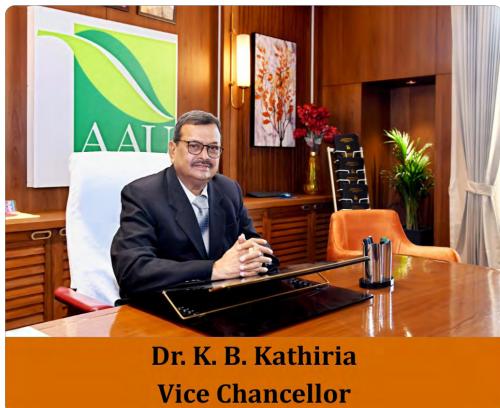
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3D Model
Harshvardhansinh
(Third Year)



From the Desk of the Vice Chancellor



It is a great privilege to present Volume 8 of annual college magazine. The **DNABIT** truly proves the testament to the remarkable achievements, aspirations, and relentless pursuit of excellence by the students and faculty of the College of Agricultural Information Technology (CAIT).

Anand Agricultural University has successfully implemented NEP in form of Sixth Dean's guidelines with a notion to integrate technology with agriculture to make it more scientific and modern. This will pave the way for a self-reliant, globally competitive nation through education and innovation.

Since its establishment in 2009-10, CAIT has not only nurtured young minds but has also contributed significantly to technological advancements in agriculture. Over the years, CAIT has emerged as a centre of excellence, integrating agriculture and information technology to address the evolving challenges of the modern world. Our students and faculty have engaged in groundbreaking research, innovative solutions, and transformative initiatives that bridge the gap between traditional agricultural practices and modern digital solutions.

As we stand at the intersection of technology and sustainability, CAIT has undertaken several initiatives to empower farmers, enhance data-driven decision-making, and revolutionize agricultural methodologies.

Beyond academics, our students excel in leadership, teamwork, and problem-solving, making their mark in industry, research, and entrepreneurship. Our emphasis on holistic development ensures that they not only graduate with knowledge but also with the vision, ethics, and skills required to drive positive change in society.

A college magazine is not merely a collection of articles—it is a reflection of our institution's journey, dreams, and accomplishments. This publication captures the spirit of CAIT, showcasing the intellectual and creative brilliance of our students and faculty. It serves as an inspiration for future generations, motivating them to strive for excellence and innovation.

As we celebrate this edition, I extend my heartfelt congratulations to the students, faculty, and editorial team for their dedication and contributions. Let us continue our pursuit of knowledge, research, and innovation to shape a future where technology and agriculture unite for the greater good of society.

The future depends on what we do in the present." – **Mahatma Gandhi**

Painting
Gohil jaynandinidevi
(Third Year)



From the Desk of the DSW



Dr. D. H. Patel
Director of Students' Welfare

I am truly delighted to know that the students of the College of Agricultural Information Technology (CAIT), Anand Agricultural University (AAU), are publishing their Annual College Magazine. This publication reflects the creativity, knowledge, and dedication of our undergraduate and postgraduate students, who have beautifully showcased their literary talents and innovative thinking.

Creativity and innovation are at the heart of meaningful education, and this magazine reflects both in perfect harmony. I am confident that it will inspire and inform future batches, encouraging them to explore new ideas, challenge conventions, and contribute meaningfully to the field of Agricultural Information Technology.

Dear students, as you embark on this journey of learning and self-discovery, always remember that hard work, perseverance, and curiosity will lead you to success. College is a time of academic and personal growth, where you have the chance to learn, innovate, and form lifelong connections. Embrace every opportunity, engage in discussions, and make the most of the diverse learning environment at CAIT.

Our university is a thriving hub of technological advancements, research, and industry collaborations. I encourage you to take full advantage of the resources, mentorship, and extracurricular activities available to enhance your learning experience. University provides environment for participation in sports, cultural and other co-curricular activities to cultivate new skills, and step beyond your comfort zone—it is in these moments that you truly grow.

Above all, believe in yourself and your abilities. You are part of an institution that values excellence, innovation, and leadership. I have no doubt that each one of you will make significant contributions to society and leave a lasting impact in your respective fields.

I extend my heartfelt congratulations to the editorial team and the entire CAIT community for their dedicated efforts in bringing out this wonderful magazine. May it serve as a source of knowledge, inspiration, and pride for all who read it.

"Knowledge, like fire, must be kindled and spread; only then does it illuminate the path of progress."

Painting
Patel Dhara
(Second Year)



From the Desk of Principal & Dean



Dr. Y. R. Ghodasara
Principal & Dean

It gives me immense pleasure to present the latest edition of our college magazine, a reflection of the dynamic academic environment, achievements, and aspirations of the College of Agricultural Information Technology (CAIT). Since its establishment in 2009-10, CAIT has emerged as a distinguished institute under Anand Agricultural University, known for its focused and innovative approach in the field of Agricultural Information Technology. As the only institute in India offering specialized degree programs in Agricultural Information Technology, CAIT has played a pivotal role in redefining agricultural education through a blend of technology and practical knowledge.

Our vision is to nurture competent professionals who can transform challenges into opportunities with value-based education and cutting-edge technical skills. The institute currently offers a four-year B.Tech. (AIT) and a two-year M.Tech. (AIT) program, designed to build strong academic foundations, practical expertise, and industry-ready capabilities in students. At CAIT, we believe that excellence is not a destination but a continuous journey, and we are committed to creating an academic culture that promotes innovation, curiosity, and leadership.

The faculty at CAIT is deeply involved in mentoring students through personalized counseling, bridge courses, and skill development sessions to enhance their academic and personal growth. Our strong industry connections and regular interactions with domain experts ensure that students are well-prepared to meet evolving demands in the agricultural and technological sectors.

One of our proudest achievements is the consistent 100% placement record for the past five years, which reflects the trust of leading organizations in the quality of our graduates. In addition to academics, CAIT encourages students to participate in extracurricular activities, technical events, workshops, sports, inter college competitions and seminars that contribute to their all-round development. Our students graduate not only with a degree but with the confidence, skills, and mindset to excel in diverse professional environments.

As the Principal and Dean of CAIT, I express my heartfelt gratitude to our faculty, administrative team, SRC team, placement team, students, and parents for their continuous support and dedication. I also commend the editorial board for their enthusiasm and efforts in bringing out this edition of the college magazine. I am confident that our students will continue to shine as innovators, leaders, and contributors to a technologically empowered agricultural future.

Achievement

Academic



Patel Indra Vijaybhai
Vice Chancellor Gold Medal(2023-2024)
Designtech Systems Gold Medal(2023-2024)

Mistry Dhara Pareshkumar
SmartTech Sponsored Gold Plated Silver
Medal(2023-24)



Patel Yashkumar Manharbhai
Ishan Netsol Pvt. Ltd. Sponsored Gold Plated Silver
Medal (2023-24)

Jani Mandakini Manishkumar
Vice Chancellor Gold Medal(2022-2023)



Savaliya Mukund Kiritbhai
Designtech System Gold Medal(2022-2023)

From the Editorial's Desk

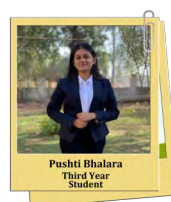
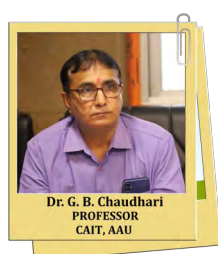
A thought that lingers in the mind, when transformed into reality, brings an overwhelming sense of joy and fulfilment. This college magazine is one such cherished endeavour, born from passion and dedication. More than just a publication, it is a celebration of creativity, knowledge, and the vibrant spirit of our students. It serves as a platform for self-expression, fostering an environment where ideas flourish, and talents find their voice.

At the College of Agricultural Information Technology (CAIT), Anand Agricultural University (AAU), we believe that learning extends beyond textbooks. This magazine reflects the holistic development of our students, encouraging them to explore their literary and artistic skills while also showcasing their academic and extracurricular achievements. Through this magazine, we aim to cultivate not just minds but also voices that inspire and innovate.

As you go through pages, you will find a kaleidoscope of student achievements, thought-provoking articles, and creative expressions that highlight the essence of CAIT. From research breakthroughs and technological advancements to poetry, artwork, and reflections on life—each contribution is a testament to the boundless potential within our college community. Our alumni's inspiring words serve as guiding beacons for the young minds stepping into this world of innovation.

This magazine is not just about what we have achieved but also about the journey ahead. It stands as a reminder that knowledge is meant to be shared, creativity is meant to be nurtured, and dreams are meant to be pursued. Through this publication, we hope to encourage our students to think beyond boundaries, challenge conventional wisdom, and become pioneers in their respective fields.

We extend our heartfelt gratitude to our Dean and Principal, Dr. Y. R. Ghodasara, whose guidance and encouragement have been instrumental in making this initiative a success. A special thanks to all the contributors—the students, faculty, and staff—who have poured their creativity and dedication into bringing this magazine to life.





EXTRA CURRICULAR ACHIVEMENTS



Rutvi Khatariya



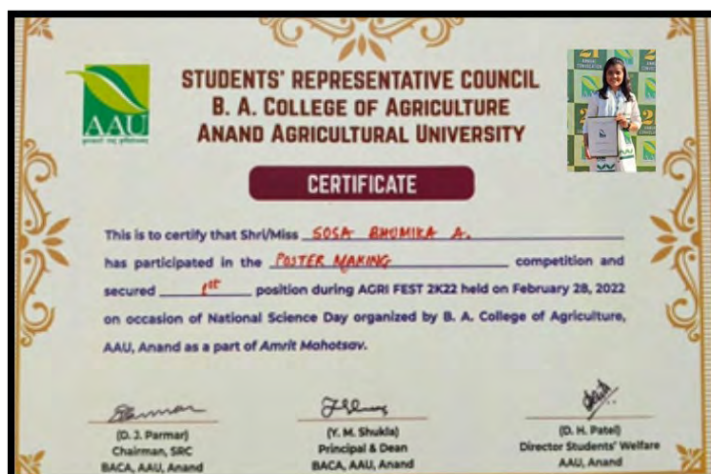
Daksh Patel



Kunj Patel



POSTER-MAKING WINNERS



Bhumika Sosa



Pushti Bhalara

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Natural Scenery Render
Yashpalsinh Rathod



3D Model of CAIT
Harshvardhansinh Makwana

FOUNDATION OF CAIT



An accelerating agricultural growth is the pre-requisite for inclusive growth, reduction of poverty levels and better socio-economic status of the stake holders, for which higher agricultural education must be at the centre of reform agenda. It is necessary to adopt required strategies especially focusing on newer and innovative academic programmers' and courses as per need of the agricultural sector for its sustainable growth at the state and national level.

In pursuit of academic excellence and innovative solution to emerging challenges and demand of agricultural sector, AAU's activities have been expanded to span newer and frontier areas of agricultural education. One such area is Agricultural Information Technology (AIT), for which AAU started B. Tech. (AIT) programme in 2008-09 under approved state plan project.

ICT applications in Agricultural education, research and extension are increasing to justify it's demand for better communication and dissemination of knowledge from 'lab to land'. To visualize, design and execute such computer applications and information technologies for the development of agriculture and allied sectors, specialized resource persons are needed. Though many institutions offer courses on IT, Agricultural Information Technology course is designed to cater to the specific needs of modern agriculture.

ABOUT COLLEGE OF AGRICULTURAL INFORMATION TECHNOLOGY



College of Agricultural Information Technology was established in the year 2008-09 under the aegis of Anand Agricultural University. The CAIT offers 4-yrs B. Tech. (AIT). The college aims to cater to the upcoming demands of the Agrarian Economy by generation a young workforce skilled with knowhow of future ready Information and Communication Technolaogy and imparting the same in agricultural and allied sector. The College building is surrounded by lush green natural environment with enough resources such as well-ventilated lecture halls with audio facility, computer labs, scientific equipment's, Wi-Fi Internet, library, NCC/NSS, sports, project and placement cell etc. The curriculum of B. Tech (AIT) is a blend of Agricultural Science and Information and Communication Technology (ICT) to harvest the potential of both the sectors. We are Looking forward to introduce innovative practices of automation and information mitigation by means of ICT in the sparsely charted agriculture and allied sectors to bridge the gap between the skills of the technocrats and the farmers. College of AIT is a nodal institute for IIRS (Indian Institute of Remote Sensing) outreach training programme.

Faculties

Dr. Y . R. Ghodasara

Designation

Principal & Dean

Qualification

Ph.D. (Computer Science)

Dr. R. S. Parmar

Designation

Professor

Qualification

Ph.D. (Agri. Stat)

Dr. G. B. Chaudhari

Designation

Professor

Qualification

Ph.D. (Agri. Met.)

Dr. M. P. Raj

Designation

Professor

Qualification

Ph.D. (Computer Science)

Dr. D. K. Parmar

Designation

Associate Professor

Qualification

Ph.D. (Computer Eng.)

Dr. X. U. Shukla

Designation

Assistant Professor

Qualification

Ph.D. (Computer Science)

Er. V. I. Mehra

Designation

Assistant Professor

Qualification

M. Tech (Process Control)

Dr. J. V. Suthar

Designation

Assistant Professor

Qualification

Ph.D. (Agri. Agron.)

Dr. K. U. Chandravadia

Designation

Assistant Professor

Qualification

Ph.D. (Agri. Extension)

Admin and Supporting Staff

Shri. B. S. Rathava

Designation

Asst. ADM. Officer

Qualification

M.C.A.

Mr. R. N. Borishaniya

Designation

Junior Clerk

Qualification

B.Com.

Mr. U. S. Rathod

Designation

Programmer

Qualification

M.C.A.

Visiting Experts

Mr. Rinkesh Parekh

Personality Development,
Soft Skills, Resume Writing,
Interview

Mr. Chirag Patel

Dhyey Academy:
Quantitative Techniques,
Reasoning

Cutoff & Total Enrollment(2023-24 & 2024-25)

Degree / Course: B. Tech. (AIT)

Cutoff

Category	General	SC	ST	SEBC	Other (CBSE)	EWS
Merit cut-off 2023-24	35.4500	33.1666	25.5500	36.4000	20.4300	35.3500
Merit cut-off 2024-25	43.7500	49.0666	29.8000	47.4000	42.9285	51.4166

Total Enrollment – 2023-24

Seat Type	ADMITTED CATEGORY WISE NUMBER OF STUDENTS																					
	GEN-ERAL		SEBC		SC		ST		OTHER BOARD		EX-SERVICE MEN		PARSI		KASH-MIRI MI-GRANT		PHYSI-CALLY DISA-BLED		EWS		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
FREE	17	14	5	8	1	2	3	0	2	2	0	0	0	0	0	0	0	0	3	3	31	29
Total	31		13		3		3		4		0		0		0		0		6		60	

Total Enrollment – 2024-25

Seat Type	ADMITTED CATEGORY WISE NUMBER OF STUDENTS																					
	GEN-ERAL		SEBC		SC		ST		OTHER BOARD		EX-SERVICE MEN		PARSI		KASH-MIRI MI-GRANT		PHYSI-CALLY DISA-BLED		EWS		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
FREE	15	15	5	7	2	1	5	3	1	2	0	0	0	0	0	0	0	0	2	4	30	30
Total	30		12		3		8		1		0		0		0		0		6		60	

Internship Details

2023-24

#	Reg. No	Name	Internship @
1	3060820002	AJUDIYA AYUSH JAYENDRABHAI	Equitysoft Technologies, Ahmedabad
2	3060820003	BAMBHANIYA VEENABEN DHIRUBHAI	Sphere Rays Technolabs Pvt. Ltd., Rajkot
3	3060820004	BHUT MAITRI SHAILESHBHAI	Sarjen System Pvt.Ltd., Ahmedabad
4	3060820005	DIWAN SHAHANAVAZ NAJEERSHA	Sadbhavna NGO
5	3060820007	GOHEL PUJA VIJAYBHAI	NDDB, Anand
6	3060820008	KARANGIYA KULDIP MASHRIBHAI	AUM Imagineering Pvt. Ltd., Ahmedabad
7	3060820009	LAD MONALI PRAKASHBHAI	The One Technologies, Ahmedabad
8	3060820010	LAGARIYA NITIN MERAMANBHAI	Bytes Bizz Technology, Rajkot
9	3060820015	MISTRY DHARA PARESHKUMAR	NDDB, Anand
10	3060820016	PAREJIYA ARPITKUMAR NARESHBHAI	Aspire Softserv Pvt.Ltd., Ahmedabad
11	3060820017	PARMAR UNNATIBEN RANJITSINH	The One Technologies, Ahmedabad
12	3060820018	PATEL BRIJESHBHAI LAXMANBHAI	ITC, AAU, Anand
13	3060820020	PATEL DHARUVIBEN ANILBHAI	WebServe Codes
14	3060820021	PATEL INDRA VIJAYBHAI	Squad Technologies Pvt. Ltd., Ahmedabad
15	3060820023	PATEL MITKUMAR DINESHBHAI	Sarjen System Pvt.Ltd. Ahmedabad
16	3060820024	PATEL PARUKUMAR MAHENDRABHAI	Appsaint Technology
17	3060820025	PATEL SAPAN HITESHKUMAR	WebServe Codes
18	3060820026	PATEL YASHKUMAR MANHARBHAI	Bytes Bizz Technology, Rajkot
19	3060820027	PRAJAPATI AKSHAR NAYANBHAI	Bytes Bizz Technology, Rajkot
20	3060820030	SOLANKI GAURAVKUMAR JAGDISHBHAI	Bytes Bizz Technology, Rajkot
21	3060820032	SOSA BHUMIKABEN ARSIBHAI	The One Technologies, Ahmedabad
22	3060820033	THAKOR MEETKUMAR VIJAYBHAI	Malay Infotech Pvt. Ltd.,
23	3060820034	VYAS MUKUND JAYSUKHBHAI	RPA Agriculture Infrastructure & Solutions Pvt. Ltd., Ahmedabad

Internship Details

2024-25

#	Reg. No	Name	Internship @
1	3060821001	AGRAWAL YASH VINODBHAI	WeServe Codes Pvt.Ltd.
2	3060821002	BAROT YUG JATINKUMAR	Let Set Go Software Development and Testing
3	3060821003	BHATIYA MERUBHAI NATHABHAI	Let Set Go Software Development and Testing
4	3060821005	BHOI KRISHNABEN JASHBHAI	Tech Ahir Pvt. Ltd.
5	3060821006	CHAUDHARI PAL JITENDRABHAI	Unistar Softtech Pvt.Ltd.
6	3060821007	CHAVDA RANJIT BHARATBHAI	eSparkBiz
7	3060821008	DHOLU KISHAN MUKESHBHAI	INFLIBNET Centre
8	3060821009	DIWAN ASHIFSHA SADIKSHA	INFLIBNET Centre
9	3060821010	GAMIT POOJA KISHANBHAI	WeServe Codes Pvt.Ltd.
10	3060821011	GANGWANI MEET SUNILBHAI	Innovation Intellect
11	3060821013	GOJIYA SHYAM RAMBHAI	Let Set Go Software Development and Testing
12	3060821014	LAKUM CHIRAG RAMESHBHAI	The Designs Live
13	3060821016	PARIMAL VIDHI MUKESHBHAI	NDDDB, Anand
14	3060821018	PATEL FENSIKUMARI KISHORBHAI	Sarjen Systems, Pvt.Ltd.
15	3060821019	PRAJAPATI GAURANGKUMAR VIJAYKUMAR	FES
16	3060821020	RANGADIYA AVANITKUMAR NARENDRABHAI	The Designs Live
17	3060821021	RATHOD UMANG LAKHABHAI	WeServe Codes Pvt.Ltd.
18	3060821023	SHAH RHUTU KEYUR	NDDDB, Anand
19	3060821024	SHARMA SHRUTI ASHVINBHAI	Sarjen Systems, Pvt.Ltd.
20	3060821025	SOLANKI HIMANSHUBHAI JAGDISHBHAI	WeServe Codes Pvt.Ltd.
21	3060821026	SOLANKI JIYABEN CHAMPAKBHAI	Technoguide Infosoft Pvt.Ltd.
22	3060821029	THAKOR ANISHKUMAR MUKESHBHAI	Appsaint Technology
23	3060821030	VACHHANI DHRITEEBEN VINKALBHAI	Kretoss Technology

Student Representative Council (2023-24)

The **Student Representative Council (SRC)** promotes leadership, teamwork, and a positive college atmosphere. It gives students a voice, strengthens student-faculty relations, and builds key skills like communication and collaboration through events and activities.

Staff Advisors

#	Name	Designation	Activities
1	Dr. Y. R. Ghodasara	President (Principal & Dean)	Overall Supervision, Social Gathering
2	Dr. G. B. Chaudhari	Chairman (Asstt. Prof.)	Indoor and Outdoor Games
3.	Mr. K.P. Patel	Co-Chairman (Asstt. Prof.)	NCC, Outdoor Games, Athletics
4	Dr. R. S. Parmar	Advisor (Professor (P))	College Events
5.	Dr. X. U. Shukla	Advisor (Asstt. Prof.)	College Magazine, National & State Events, Training
6.	Dr. D. K. Parmar	Advisor (Asstt. prof)	Personality Development, Cultural Activities
7.	Dr. J. V. Suthar	Advisor (Asstt. Prof.)	Cultural Activities, Social Gathering
8.	Er. V. I. Mehra	Advisor (Asstt. prof)	Indoor Games, Literary Activity, Adventure
9.	Dr. K. U. Chandravadia	Advisor (Asstt. prof)	NSS, Fine Arts, Literary Activity

Student Representatives

#	Name	Semester	Activities
1 .	Ms. Dhara P. Mistry	Seventh	General Secretary, College Event
2.	Ms. Bhumi L. Zala	Seventh	Ladies Representative, College Event, Social Gathering
3.	Mr. Mitkumar D. Patel	Seventh	Class Representative, Social Gathering
4.	Mr. Umang L. Rathod	Fifth	Class Representative, Outdoor Games
5.	Ms. Fensikumari K. Patel	Fifth	Class Representative, College Magazine, Cultural, NCC
6.	Mr. Daksh M. Patel	Third	Class Representative, Indoor Games, Athletics
7.	Ms. Jaynandinidevi J. Gohil	Third	Class Representative, Literary Activity, Cultural
8.	Mr. Maharshi S. Makwana	First	Class Representative, NSS, Adventure
9.	Ms. Riya S. Rana	First	Class Representative, NSS, College Event, Fine Arts

Student Representative Council (2024-25)

Staff Advisors

#	Name	Designation	Activities
1.	Dr. Y. R. Ghodasara	President (Principal & Dean)	Overall Supervision
2.	Dr. G. B. Chaudhari	Chairman (Professor)	Planning SRC Activities, Indoor and Outdoor Games
3.	Dr. M. P. Raj	Co-Chairman (Professor)	College Magazine, National and State Events
4.	Dr. R. S. Parmar	Advisor (Professor)	Social Gathering
5.	Dr. D. K. Parmar	Advisor (Associate Professor)	National and State Events, Social Gathering
6.	Dr. X. U. Shukla	Advisor (Assistant Professor)	Personality Development, College Events
7.	Er. V. I. Mehra	Advisor (Assistant Professor)	College Magazine, Indoor and Outdoor Games
8.	Dr. K. U. Chandravadia	Advisor (Assistant Professor)	NCC/NSS, Cultural Activities, Literary Activities
9.	Dr. J. V. Suthar	Advisor (Assistant Professor)	College Events, Cultural Activities

Student Representatives

#	Name	Semester	Activities
1	Ms. Rhutu K. Shah	Eight	General Secretary, SRC Activities, Social Gathering
2	Ms. Pushti A. Bhalara	Sixth	Ladies Representative, Cultural Activities, College Events
3	Mr. Umang L. Rathod	Eight	Class Representative, College Events
4	Ms. Vidhi M. Parimal	Eight	Class Representative, Literary Activity, Personality Development
5	Mr. Rushi B. Maradiya	Sixth	Class Representative, Indoor and Outdoor Games
6	Ms. Jaynandinidevi J. Gohil	Sixth	Class Representative, College Magazine, Cultural Activities
7	Ms. Vatsal Y. Sharma	Fourth	Class Representative, Cultural Activities, Outdoor Games
8	Ms. Rashmikaben A. Ambla	Fourth	Class Representative, Literary Activity, Social Gathering
9	Mr. Rushilkumar V. Jadav	First	Class Representative, National and State Events, College Events
10	Ms. Sanviben C. Suthar	First	Class Representative, NCC/NSS, Cultural Activities

Students' Discipline Committee

2023-24

#	Name	Designation	Role
1	Dr. Y. R. Ghodasara	Unit Head & Dean	Chairman
2	Dr. X. U. Shukla	Placement Cell In-Charge	Member
3	Dr. K. U. Chandravadia	Asst. Rector	Member
4	Dr. D. K. Parmar	Academic In-Charge	Member
5	Dr. J. V. Suthar	Asst. Rector	Member
6	Mrs. M. A. Desai	Hostel Asst. Warden	Member
7	Mr. K. P. Patel	Rector, CAIT	Member Secretary

2024-25

#	Name	Designation	Role
1	Dr. R. S. Parmar	Professor (P) & Head	Chairman
2	Dr. D. K. Parmar	Academic In-Charge	Member
3	Dr. M. P. Raj	Professor	Member
4	Dr. G. B. Chaudhari	Chairman, SRC	Member
5	Dr. K. U. Chandravadia	Programme Officer (NSS) & Assistant Rector	Member
6	Dr. X. U. Shukla	Placement Cell In-Charge	Member
7	Dr. J. V. Suthar	Assistant Rector	Member
8	Er. V. I. Mehra	Rector	Member Secretary

GENDER COMMITTEE

To ensure a safe, respectful, and inclusive environment for all, the institute has established a Gender Committee for the academic year 2024–25. The committee comprises dedicated faculty members and students who are entrusted with the responsibility of promoting gender sensitivity and preventing any form of harassment or inappropriate behavior within the hostel, institute premises, and university campus. Their efforts aim to foster a culture of dignity, equality, and mutual respect among all individuals.

2023-24

1	Dean	Chair Person
2	Dr. K.U. Chandravadia, Assistant Rector, College of AIT, AAU, Anand	Member
3	Mistry Dhara Pareshkumar, Student (8 th Semester)	Member
4	Mrs. Desai Maya A., Hostel Asst. Worden.	Member Secretary

2024-25

1	Dean	Chair Person
2	Dr. K.U. Chandravadia ,Assistant Rector, College of AIT, AAU, Anand	Member
3	Patel Ayushi Bharkatkar, Student (6 th Semester)	Member
4	Mrs. Desai Maya A., Hostel Asst. Worden.	Member Secretary

NSS Activities

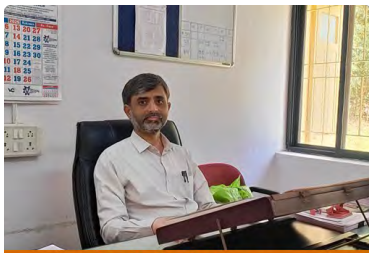
College of AIT , AAU, Anand carries out various regular activities throughout the year. Following regular activities were organized in the year 2024-25 under National Service Scheme.

#	Particular	Date of activity
Regular Activities		
1	Anti-Ragging Awareness Programme	18.05.24
2	Awareness cum exposure visit of students to Regional Research Station and Main Vegetable Research Station	31.08.24
3	Har Ghar Tiranga	13.08.24
4	Ek Ped Maa Ke Naam-Campaign	14.08.24
5	Swachhta Hi Seva- Campaign	21.09.24
6	NSS Day	24.09.24
7	Exposure Visit to Sardar Smruti Kendra	27.09.24
8	Plastic Free Clean Campus Drive	05.10.24
9	Mass registration campaign in My Bharat Portal	18.11.24
10	Participation of RBI90 Quiz	19.11.24
11	Constitution Day	26.11.24
12	Awareness cum Thalassemia Test	30.11.24
13	Road Safety Awareness Programme	07.12.24
14	Blood Donation	18.01.25
15	Fit India Movement	04.01.25
Special activities		
1	Special Camp at. Bochasan Ta.: Borsad, Dist.: Anand	20.03.25 to 26.03.25

About Manmohan Singh

Manmohan Singh

Economist and Former Prime Minister of India



Dr. Y. R. Ghodasara
Principal & Dean

DR MANMOHAN SINGH, INDIA'S 14TH PRIME MINISTER, PRESIDED OVER A DECADE OF PHENOMENAL GROWTH AND DEVELOPMENT. UNDER DR SINGH'S STEWARDSHIP, INDIA WITNESSED THE HIGHEST GROWTH RATE IN ITS HISTORY, AVERAGING AT 7.7% TO BECOME A NEARLY TWO TRILLION-DOLLAR ECONOMY.

Dr Manmohan Singh was born on September 26, 1932 in Punjab. He received his Bachelor's and Master's in Economics from Panjab University in 1952 and 1954 respectively. He completed his Economic Tripos from Cambridge University in 1957. He followed this with a D.Phil in Economics from Oxford University in 1962.

Dr Singh went on to teach at Punjab University and the Delhi School of Economics. He joined the Government of India as Economic Advisor in the Commerce Ministry in 1971. He was soon promoted to Chief Economic Advisor in the Finance Ministry in 1972. After a short stint at the UNCTAD Secretariat, he was appointed Secretary General of the South Commission in Geneva from 1987-1990. In addition, Dr Singh also held the positions of Secretary in the Finance Ministry, Deputy Chairman of the Planning Commission, Governor of the Reserve Bank of India, Advisor to the Prime Minister and Chairman of the University Grants Commission.

Dr Singh has been a Member of the Rajya Sabha since 1991, where he was Leader of the Opposition from 1998-2004. Following the Congress Party's historic wins in 2004 and 2009, he took the Office of Prime Minister on 22nd May, 2004 and again on 22nd May, 2009.

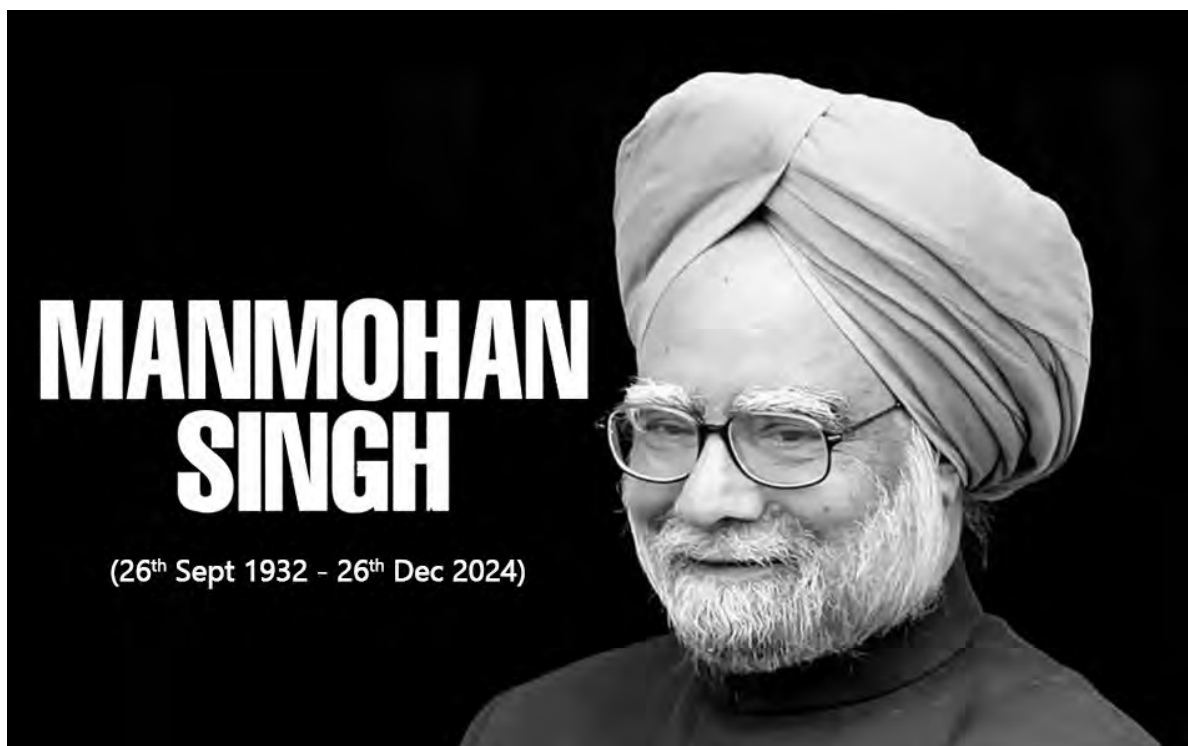
Dr Manmohan Singh, India's 14th Prime Minister, presided over a decade of phenomenal growth and development. Under Dr Singh's stewardship, India witnessed the highest growth rate in its history, averaging at 7.7% to become a nearly two trillion-dollar economy. India was catapulted from tenth position when Dr Singh took over into the world's third largest economy by 2014, raising the living standard of millions.

At the core of Dr Singh's idea of India was the belief in not just high growth but inclusive growth and of a tide that would raise all boats. This belief was enshrined in the passage of bills that ensured citizens the legal Right to Food, Right to Education, Right to Work and the Right to Information. Dr Singh's rights-based revolution created a new era in Indian politics.

However, Dr Manmohan Singh is known not only for his vision that led India to become an economic powerhouse but also for his hard-work and his humble, soft-spoken demeanor. He is a Prime Minister who will be remembered not only for the leaps and bounds by which he took India forward but also as a man of thought and of integrity.

Source : <https://inc.in/our-inspiration/dr-manmohan-singh>Source:

<https://www.tata.com/about-us/tata-group-our-heritage/tata-titans/ratan-naval-tata>



About Ratan Tata

Tata Titans

Ratan Naval Tata
(1937 – 2024)

His Life, His Times:

1937: Ratan Tata is born to Soonoo and Naval Tata.

1955: Leaves for Cornell University (Ithaca, New York, USA) at age 17; goes on to study architecture and engineering over a seven-year period.

1962: Awarded bachelor of architecture degree.

1962: Joins the Tata group as an assistant in Tata Industries; later in the year, spends six months training at the Jamshedpur plant of Tata Engineering and Locomotive Company (now called Tata Motors).

1963: Moves to Tata Iron and Steel Company, or Tisco (now called Tata Steel), at its Jamshedpur facility for a training programme.

1965: Is appointed technical officer in Tisco's engineering division.

1969: Works as the Tata group's resident representative in Australia.

1970: Returns to India, joins Tata Consultancy Services, then a software fledgling, for a short stint.

1971: Is named director-in-charge of National Radio and Electronics (better known as Nelco), an ailing electronics enterprise.

1974: Joins the board of Tata Sons as a director.

1975: Completes the Advanced Management Program at Harvard Business School.

1981: Is appointed Chairman of Tata Industries; begins the process of transforming it into a promoter of high-technology businesses.

1983: Drafts the Tata strategic plan.

1986-1989: Serves as Chairman of Air India, the national carrier.

March 25, 1991: Takes over from JRD Tata as Chairman of Tata Sons and Chairman of the Tata trusts.

1991: Begins restructuring of the Tata group at a time when the liberalisation of the Indian economy is underway.

2000 onwards: The growth and globalisation drive of the Tata group gathers pace under his stewardship and the new millennium sees a string of high-profile Tata acquisitions, among them Tetley, Corus, Jaguar Land Rover, Brunner Mond, General Chemical Industrial Products and Daewoo.

2008: Launches the Tata Nano, born of the trailblazing small car project he guided and commanded with zeal and determination.

2008: Is awarded the Padma Vibhushan, the country's second-highest civilian honour, by the



Dr. Y. R. Ghodasara
Principal & Dean

Government of India.

December 2012: Steps down as Chairman of Tata Sons after 50 years with the Tata group; is named Chairman Emeritus of Tata Sons.

2012 onwards: Mr. Tata served on the international advisory boards of Mitsubishi Corporation and JP Morgan Chase. He continued as Chairman of the Tata Trusts, he steered Sir Ratan Tata Trust and the Sir Dorabji Tata Trust, two of the largest private-sector-promoted philanthropic trusts in India. He served as the Chairman of the Council of Management of the Tata Institute of Fundamental Research, on the board of trustees of Cornell University and the University of Southern California and initiated the Tata-Cornell Institute for Agriculture and Nutrition. He received honorary doctorates from several universities in India and overseas.

2013: The Tata Hall at Harvard University is completed and named in honour of Ratan Tata.

2014: Began investing in startups, at a time when India's startup ecosystem was still emerging.

2014: Awarded the Knight Grand Cross of the Order of the British Empire (GBE).

2015: Inducted into the Automotive Hall of Fame, recognising Mr Tata's quest to produce the country's first fully indigenous car, the Indica, in 1998, following it with the ground-breaking Nano in 2008.

2017: Under his stewardship, the Tata Trusts introduced the Cancer Care Programme in 2017. It propelled the Trusts efforts in this sector — spanning from the Tata Memorial Centre in Mumbai in 1941 to the Tata Medical Centre in Kolkata in 2011 — to a growing network of cancer care facilities and cancer hospitals in India.

2022: Set up the Ratan Tata Endowment Foundation.

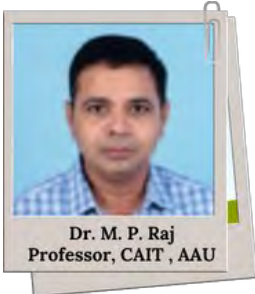
October 2024: Mr. Tata passes away at the age of 86.

Reference

Source: <https://www.tata.com/about-us/tata-group-our-heritage/tata-titans/ratan-naval-tata>



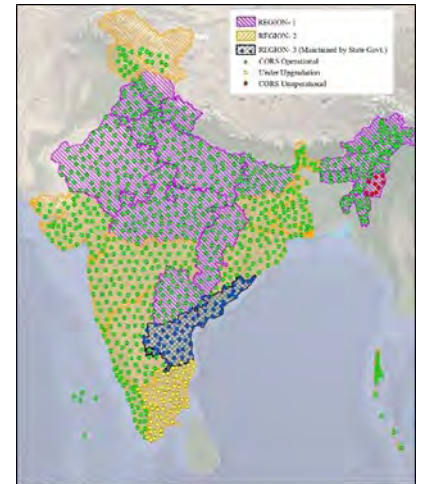
India's Continuous Operating Reference Station (CORS) Network



Dr. M. P. Raj
Professor, CAIT, AAU

Global Navigation Satellite Systems (GNSS) have revolutionized our ability to access location information. It measures its distances from satellites and estimates its position on Earth. These systems have their own share of errors due to orbit errors, satellite clock errors, receiver noise, ionospheric and tropospheric delays, satellite geometry over the receiver, multipath effects, etc., which cause dilution in precision up to 10–11 meters. To overcome this accuracy limit, various surveying techniques such as DGNS, Static GPS/GNSS surveying, RTK, SBAS, GBAS, and PPP are used by the geospatial community. Each of these methods works on the principle of taking GNSS measurements.

In most GNSS applications where precise positioning is required, users pair their GNSS instruments with other GNSS instruments, simultaneously observing one or more known positions, termed as reference stations. With the help of these reference stations, estimated corrections to be applied over the point of interest or rover position are obtained through Static GNSS Survey or Real Time-Kinematic (RTK) Survey methods. To facilitate users by not requiring setting up their own reference station each time they wish to undertake GNSS measurement, and provide a country-wide consistent reference frame, Survey of India has established a network of Continuously Operating Reference Stations (CORS). These CORS stations are capable of providing Real-Time Positioning Service through RTK/NRTK with an accuracy of ± 3 cm and also host an array of different positioning services targeted to cater to the requirements of the geospatial and scientific community.



These networked CORS stations (or GNSS receivers) are permanent installations and continuously stream satellite observations to a central server. The entire setup of reference stations and the central server is known as the Continuous Operating Reference Station (CORS) Network.

CONTINUOUSLY OPERATING REFERENCE STATIONS NETWORK

Introduction to the Survey of India CORS Web Application

ABOUT

Global Navigation Satellite Systems (GNSS) have revolutionized our ability to access location information. It measures its distances from satellites and estimates its position on Earth. However, these systems have their own share of errors due to orbit errors, satellite clock errors, receiver noise, ionospheric and tropospheric delays, satellite geometry over the receiver, multipath effects, etc., which cause dilution in precision up to 10–11 meters. To overcome this accuracy limit, various surveying techniques such as DGNS, Static GPS/GNSS surveying, RTK, SBAS, GBAS, and PPP are used by the geospatial community. Each of these methods works on the principle of taking GNSS measurements. To facilitate users by not requiring setting up their own reference station each time they wish to undertake GNSS measurement, and provide a country-wide consistent reference frame, Survey of India has established a network of Continuously Operating Reference Stations (CORS). These CORS stations are capable of providing Real-Time Positioning Service through RTK/NRTK with an accuracy of ± 3 cm and also host an array of different positioning services targeted to cater to the requirements of the geospatial and scientific community.

SERVICES

The CORS network is available 24 hours per day, 7 days a week and 365 days a year. Its data and corrections are broadcast on radio in form of open non-proprietary data stream standards for easy consumption.

These observations are available on the following surveying platforms:

At present following positioning services are being offered:

1. Real-time RTK Service (RTK) - A continuous real-time positioning service.
2. DGNS Service for 30–40 centimeter accurate real-time positioning.
3. DGNS Service for 30–40 centimeter accurate real-time positioning.
4. DGNS Service for 30–40 centimeter accurate real-time positioning.

At present, for DGNS measurements, users need to pair their GNSS instruments to other CORS instruments, simultaneously observing one or more Master Stations (Stations whose coordinates are known). Duration of observation in these cases, increases with respect to distance between Master and Rover stations.

With CORS in place, there is no need to use paired GNSS equipment. Using single GNSS equipment, control points with respect to National Reference Frame can be established with much lesser observation period and better reliability and consistency in survey work. User can put his GNSS receiver on the rover of interest, collect data in GNSS mode and upload this data in CORS Web Application processing platform. CORS processing platform will process data and provide coordinates of the rover along with observation report.

4. Downloading of Real Time Data of CORS Stations for processing in user software

The central server runs specialized software that performs calculations to further refine the rover's position by sending Network Real-Time Kinematic (NRTK) corrections to the rover. The distance between a GNSS rover and the corresponding base station is no longer an issue. Users can subscribe to the CORS network on a monthly or yearly basis to receive NRTK corrections with their rover instead of having to set up their own base station. The CORS network is available 24 hours per day, 7 days a week, and 365 days a year, though it depends on the communication service provider and satellite availability.

Data streaming of RTCM 2.4, RTCM 3.2 is supported in real-time, and users can also retrieve stored GNSS data from the central server via the internet for post-processing. Users can also submit static survey GNSS data for online processing.



Services offered by CORS Network

1. Real Time Positioning Services

- a. Network RTK Services (NRTK)
- b. DGNSS Services

2. Reference Data Services

- a. Downloading of RAW Data of CORS Stations (RDS)
- b. Online Data Processing (OPS)

Usage:

Agriculture

When used for the precise positioning of farm machinery, SOI CORS Network can be used to improve crop yields. You can plan and manage seed sowing more precisely for instance, to create less waste and reduce costs.

Construction

SOI CORS Network can be used for machine control on construction sites. This creates efficiencies by increasing the accuracy of the work, cutting fuel use and reducing operator error.

Surveying

SOI CORS Network is used for land monitoring, building and setting out, among other types of surveying. Initialisation is faster and there is no need for a base station or another pair of hands.

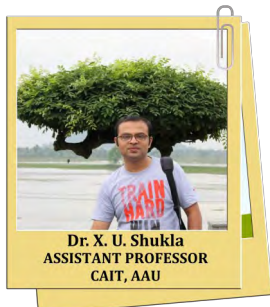
Asset management

Companies in the energy and infrastructure sector use SOI CORS Network to map their buried services precisely. This saves time in relocation and enables repairs to be carried out quickly and efficiently.

References:

<https://cors.surveyofindia.gov.in/>

Five YouTube Playlists Every Computer Enthusiast Should Not Miss!



With the popularity of video sharing platforms such as, YouTube people have an ample access to content. A survey has found the effectiveness of video based learning in higher education (Noetel, 2021). During the COVID-19 times, the swift switch to video based tutorials by academic institutes and universities has also left a remarkable impact to pedagogy (Lee, 2020).

Premier institutes such as Massachusetts Institute of Technology has developed its popular platform OCW (Open Courseware) is an archive of more than two thousand full-length free video lecture series and also made them available on YouTube. On the similar grounds eminent institutes of India such as IITs and IISc have also a large number of collection of courses made available for free on itsNPTEL (National Programme on Technology Enhanced Learning) e-learning platform, which also streams them on YouTube.

In the present article, we will look at glimpses of five such courses; every computer enthusiast will wish to give a try. All of these courses are available on YouTube; the accompanying QR code will directly lead you to the respective course.

1) Geoffrey Hinton's Neural Networks for Machine Learning

For the AI enthusiast and researcher, Geoffrey Hinton, "the Godfather of Artificial Intelligence" is not an estranged name. The 2018 Turing Laureate's introductory course titled "Neural Networks for Machine Learning" is comprehensive course for the serious AI enthusiast interested in building their career in this domain. This course can be accessed using the following QR Code



2) CS50 @ Harvard University by David Malan

Harvard University's CS50 is an introductory course to Computer Programming. It aims to teach approaches to problem solving with an emphasis on correctness, design, and style. It covers different fundamental avenues such as, computational thinking, abstraction, algorithms, data structures, and computer science more generally. This course can be accessed using the following QR Code.

3) Advanced Programming in the UNIX Environment of Stevens Institute



If you are an Operating Systems enthusiast and interested in the *under-the-hood* working of different components of an Operating System then Stevens Institute's Advanced Programming in the UNIX Environment (APUE) is the ideal choice. This course focuses on to provide an introduction to development of complex system-level software in the C programming language while gaining an intimate understanding of the UNIX like operating systems. This course can be accessed using the following QR Code.

Now let's move from longer full-length courses to smaller tit-bit style sessions enough to clear some rusty concepts or act as a *back to basics* tutorial.

4) 3Blue1Brown by Grant Sanderson

Have you ever thought how the process of visualizing assists in building foundations? Grant Sanderson's this popular channel has a collection of visually impressive videos that cover a variety of topics in math, physics and CS, with an emphasis on visualizing the core ideas. It clears dust on concepts such as the Significance of Pi (π), Calculus, Fourier series, Neural Networks, Linear Algebra and many more. One visit to this channel is an enlightening visual delight to the enthusiast. This channel can be accessed using the following QR Code.



5) StatQuest with Josh Starmer



And, last but not the least, Josh Starmer's StatQuest tries to break down the major methodologies of Statistics, Machine Learning and Data Science in to small video chunks in order to make them an easy to understand pieces. However, small these videos may be they clear majority of daunting topics with easy to understand visuals and original music by Josh himself! This channel can be accessed using the following QR Code.

References

Lee, K. (2020). Corona virus: universities are shifting classes online—but it's not as easy as it sounds. *The Conversation*, 9, 2020.

Noetel, M., Griffith, S., Delaney, O., Sanders, T., Parker, P., del Pozo Cruz, B., & Lonsdale, C. (2021). Video improves learning in higher education: A systematic review. *Review of educational research*, 91(2), 204-236.

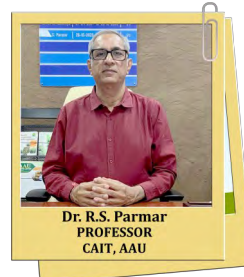
Scope and Importance of Automation in Agricultural Field in India

Agriculture is the most important sector of Indian Economy as it accounts for 18 percent of India's gross domestic product. It has great impact on socio-economic structure of the country as it provides employment to around 50% of the country's work force among 2/3 are women.

Since Independence, India's agriculture sector had many setbacks and passes through drastic changes. However, in the late sixties, the green revolution arena, India had achieved a mile stone in the area of food security and became a food export country. Now a day's *India ranks second in farm output in the world.*

Agriculture sector is facing many problems due to water scarcity, Labor shortage and farm cost. Also, the availability of Land for agriculture purpose is diminished due to urbanization and other human facilities. The concept of automation is growing in the Agriculture Industry to overcome these issues. Automation can play a important role in agriculture Industry because the world population is projected to rise to 9 billion by the year 2042 and there will be a huge challenge to provide good quality, nutritious and affordable food to every human being and conventional methods of agriculture have some drawbacks like improper water irrigation methods which leads to water wastage, quality of soil is degraded day by day because of over use of pesticide and weedicide, wastage of seeds, improper harvesting technique and storage facility.

To overcome the above issues concepts of automation can be implemented in various farm processes like irrigation, Weed Detection and weed elimination, Bird Repeller, Spraying of Pesticide and Harvesting.



Dr. R.S. Parmar
PROFESSOR
CAIT, AAU



Dr. Vishal Mehra
ASSISTANT PROFESSOR
CAIT, AAU





Dr. Kiran Chandravadia
ASSISTANT PROFESSOR
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Automatic Irrigation System:

An automatic irrigation system does the operation of a system without requiring manual involvement of persons. Every irrigation system such as drip, sprinkler and surface gets automated with the help of electronic appliances and detectors such as mini-computer / micro-controller, timers, sensors and other mechanical devices. Automatic irrigation systems works on either time based or soil moisture based. In first technique water is irrigated at fix time of interval. In the second method moisture present in the soil is measured by various kind of soil moisture sensors and this information is sent to the mini-computer/micro-controller. According to the present value of the moisture present in the soil, micro-controller will automatically turn on the water pump and once the moisture in the soil reached at prescribed limit it will turn off the water pump. Since, this method is based on present value of moisture in the soil it will irrigate the water if needed and hence can prevent the waste of water by the great extent.

Automatic Weed Detection and weed elimination:

Weed is unwanted wild growing plant which absorbs the nutrients and damper the growth of the



cultivated plant. Controlling of weed is necessary and the same time it is very laborious and time consuming task. Conventionally, weed is removed by manually and/or spraying weedicide in the agricultural fields. In spraying operation weedicide is sprayed everywhere in the agricultural fields which causes many side effect on environments, humans and other living creatures. The automatic weed detection and weed elimination system provide efficient method of weed. The machine vision system is used to identify and differentiate the weeds from the crop. After identification weed is removed either spraying of the weedicide on the weed with the help of drone or Mechanical robots can be used to extract the weed from soil. GPS based guidance system , line follower technique can be used for the accurate tracking. Automation of this task can help to overcome the issue of the labor shortage, excessive use of weedicide and side effects caused.

Apart from above operations many other operations like bird repelling, crop harvesting where automation of these operations can reduce the problems faced by agriculture sector. Area of automation of farm operations has very good future scope and it will benefit to farmers and all human beings.

References:

S.S.Katariya, S.S.Gundal, Kanawade M.T and Khan Mazhar, "AUTOMATION IN AGRICULTURE", International Journal of Recent Scientific Research ,Vol. 6, Issue, 6, pp.4453-4456, June, 2015.

www.elprocus.com

Dr. Pusphavalli M, Chandraleka R , "Automatic Weed Removal System using Machine vision", International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE) Volume 5, Issue 3, March 2016

<https://icar.org.in/>

Tool for Women's Empowerment

The development of the nation depends upon the development of human resources and ICT plays a very crucial role in the development of human resources. Human resources mean not only men but women also. As we know that India is still man dominant country and women have fewer resources as compared to men but ICT destroying all the gaps and provides a great opportunity for the development of women. Empowering women through ICT means providing economic power to reduce poverty, develop new opportunities for distance learning and education, bring improvement in the health of women, and finally increase the literacy rate among women.

ICT is a broader term that includes all communicational devices, cell phones, radio, television, and computer along with satellite systems. Various services and appliances such as video conferencing and distance learning programs are also included in ICT with analogue technology.

Need For ICT

To develop their marketable skill

To enhance their economic opportunities

To participate in informed decision making

To promote themselves as an individual

To participate in the modern world

To use technology related to their economic development

To change the attitude and behaviour perspective of society toward women

To create a psychological comfort level for women at their workplace by providing them with knowledge and skill



To increase access to jobs, market and improve entrepreneurship

To Increase of average household income in villages

The following are some of the advantages offered by ICT to women:

ICT has given women the opportunity to work from home. It has given the freedom to people to operate from the comfort of their own houses.

It is helping in knowledge dissemination and enables women to know about the day-to-day happenings of the country as well as in other countries.





The quality of education has increased. Literacy levels, awareness, and confidence levels among women have improved significantly. Learning has become hassle-free and enables women to learn in their comfort after finishing household chores. E-governance initiatives have made the life of women easy. It is now easy to get services like birth certificates, income certificates, and all necessary certificates online. Loss of wages and bribes and the requirement to travel long distances to get certificates are all eliminated. Emails, chat, and Voice over Internet Protocol (VoIP) have connected people in rural areas to connect with their kith and kin abroad and in faraway places. Some people use these services to get job opportunities abroad. Timely information through facilities like video conferencing for getting information from experts in different fields like agriculture, eye care, astrology, nutritional information, and prenatal care is available to women especially

Challenges:

Women fall into the category of less informed who have poor access to information and information on many matters is restricted for cultural, social, economic, and geographic reasons. The main hurdle that prevents women from accessing information is illiteracy. Civil society and government have not still utilized the full potential of ICT in women's empowerment. Hence, they are not very much in creating enabling frameworks and spaces for the growth of ICT infrastructure. ICTs come at a financial cost. This is the major hurdle for the penetration of ICT at the community as well as at the individual level. This is compounded by the fact women in India have an average meager income and do not have decision-making power in the household to invest in these technologies. Penetration of ICTs also depends upon the physical infrastructure requirements like electricity, telephone lines, internet gateways etc. Linguistic barriers prevent knowledge available on the internet to get disseminated to the poorest and illiterate sections of society. Lack of trained human resources to handle technology and networking issues. Realizing the challenges allows us to address the barriers better and devise strategies that consider the complex dimension of women's lives.

Some of the strategies suggested for women's empowerment through ICTs.

Improving access to women entrepreneurs' relevant ICTs and the climate remaining socio-cultural constraint that may act as barriers to their use of ICTs. Creating an environment where women feel welcome and comfortable learning with others getting trained on using ICT and participating in community development activities, including community advocacy efforts. Establishing an ICT education center for women where women can receive basic courses: Internet use, MS-Excel, MS-PowerPoint, and computer basic.



Content in the local language is extremely important if ICTs are to make a difference in women's lives. It is therefore important to develop content that addresses local/regional/national needs, to provide information relevant to local/regional/national issues and disseminate that information in appropriate language. Increasing opportunities for women in supervisory and management-level leadership positions in ICTs companies. Developing ICT-based programs that address women's specific needs and that are run by women e.g. literacy programs, business planning courses, ICT training, access to health information and services, access to market and trading information services and e-commerce initiatives. Enabling women's participation in e-governance and building gender awareness among women and men participants. Engendering projects requires participatory processes that involve men and women in the community, inputs from gender experts and organizations that work on gender issues, and gender sensitization of project staff.

Conclusion

Information and Communication Technology is also playing an important role. Through ICT women are getting security, awareness, knowledge, employment, confidence, popularity, *etc.* ICT provides resources, information, and opportunities for development. Women need access to the educational and training opportunities necessary to equip them for the rapidly changing skill requirements. Women need access to the educational and training opportunities necessary to equip them for the rapidly changing skill requirements. Civil society actors, administrator including NGOs need to develop advocacy strategies to address the role of ICTs in the promotion of their equality in decision-making and accountability. To make women independent, powerful, and strong in all fields with the help of ICT necessary actions are to be taken at regional, national, and international levels .

ERPNext & Frappe: Revolutionizing Business with Open-Source Technology



In today's fast-paced digital world, organizations of all sizes require robust and efficient solutions for business process automation. Enterprise Resource Planning (ERP) software plays a crucial role in managing core business functions like finance, human resources, supply chain, inventory, and customer relations. Among various ERP solutions, ERPNext, built on the Frappe framework, has emerged as a powerful, flexible, and cost-effective open-source alternative to proprietary ERP systems.

What is ERPNext?

ERPNext is an open-source, web-based ERP software designed to help businesses streamline operations, enhance productivity, and maintain real-time visibility into their processes. Developed by Frappe Technologies, ERPNext provides a comprehensive suite of modules catering to different business domains, including manufacturing, retail, healthcare, education, agriculture, and services. Unlike traditional ERP systems that require expensive licenses and heavy infrastructure, ERPNext offers an affordable, scalable, and easy-to-deploy solution, making it an ideal choice for startups, SMEs, and even large enterprises.

Key Features of ERPNext:

Accounting & Finance - Automated financial transactions, invoicing, and real-time analytics for efficient financial management.

Inventory & Stock Management - Tracks stock movement, warehouse operations, and supply chain activities to ensure optimized inventory flow.

Customer Relationship Management (CRM) - Helps businesses manage customer interactions, monitor the sales pipeline, and enhance lead generation.

Human Resources (HR) & Payroll - Automates recruitment processes, maintains employee records, tracks attendance, and handles payroll processing seamlessly.

Project Management - Enables planning, tracking, and execution of projects with tools like Gantt charts and Kanban boards.

Manufacturing - Manages bill of materials (BOM), work orders, and production planning for streamlined manufacturing operations.

Healthcare & Education - Offers tailored solutions for hospitals, clinics, and educational institutions to enhance service delivery and administration.

Multi-Tenancy & Customization - Easily customizable platform to meet specific business needs with in-built development tools and modular architecture.



The Frappe Framework: The Backbone of ERPNext

Frappe is a low-code, full-stack web framework built on Python and JavaScript. It follows the Model-View-Controller (MVC) architecture, making it a highly modular and scalable platform. Frappe allows developers to build applications rapidly with minimal coding, leveraging its powerful features such as Doctypes, Workflows, REST APIs, and an intuitive UI.

Key Features of Frappe Framework:

Modular Architecture - Enables the creation of reusable and extensible applications.

REST API & Webhooks - Facilitates seamless integration with third-party applications.

Role-Based Access Control - Ensures data security and user-specific privileges.

Data Management - Built-in database management using MariaDB with a powerful querying engine.

Web-Based & Mobile-Friendly - Fully accessible from any device with a web browser.

Customization & Automation - Allows scripting, custom fields, and workflows without modifying core

Report Builder & Dashboarding - Provides real-time insights and analytics.

Why ERPNext & Frappe are Ideal for IT and Business Professionals?

With the rapid evolution of technology, businesses need agile and adaptable solutions. ERPNext, powered by Frappe, provides an unparalleled open-source alternative that is easy to implement and scale. IT professionals benefit from the ease of customization, robust security, and strong community support. Additionally, developers can build industry-specific modules or integrate ERPNext with emerging technologies such as Artificial Intelligence (AI), Blockchain, and Internet of Things (IoT).

Real-World Applications in Agriculture and Rural Development

As a student of Agricultural Information Technology, understanding ERPNext and Frappe can be particularly valuable. Agricultural businesses, cooperatives, and rural enterprises can utilize ERPNext for:

Farm Management - Tracking crop cycles, weather data, and farm inputs.

Supply Chain Optimization - Managing procurement, logistics, and warehouse storage.

Financial Inclusion - Enabling rural banking, microfinance, and digital payments.

E-Governance Initiatives - Implementing transparent and efficient public service programs.

NCC Journey: A Path of Discipline, Leadership, and Growth

"Discipline is the bridge between goals and accomplishment." – Jim Rohn

And if there's one place that teaches discipline in its truest form, it's the **National Cadet Corps (NCC)**.

Are you someone who dreams of becoming stronger - physically, mentally, and emotionally? Do you wish to discover the leader within you, challenge your limits, and stand out from the crowd? Then the **NCC** is your path to transformation.

Joining NCC was one of the most empowering decisions of my life, and it can be for you too. If you're looking for a platform that builds discipline, leadership, confidence, and resilience, look no further - NCC is not just an extracurricular activity, it's a journey of self-discovery.



Balancing academics with NCC is undoubtedly a challenge - one that pushes you out of your comfort zone. Imagine waking up at dawn for drills, training under the sun, and attending exhaustive camps during semester breaks - all while staying on top of studies. It sounds tough, and it is. But that's where the transformation happens.

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The Importance of Mental Health: A Key to a Fulfilling Life

Mental health is often overlooked in comparison to physical health, but it plays an equally critical role in our overall well-being. Mental health influences how we think, feel, and act, and it impacts every aspect of our lives—our relationships, our careers, and even our physical health. Despite its importance, mental health is often a subject of stigma, misunderstanding, and neglect. It's time we start recognizing and prioritizing mental health as an essential part of our overall health.

Understanding Mental Health



Mental health refers to the state of our emotional, psychological, and social well-being. It affects how we handle stress, relate to others, and make decisions. Just like physical health, mental health is dynamic—it can improve or worsen depending on various factors such as life experiences, genetics, environment, and individual choices.

A person with good mental health can generally manage life's ups and downs, form positive relationships, and work productively. In contrast, poor mental health can result in challenges such as depression, anxiety, and other mental health disorders that can severely affect one's daily life and ability to function.

The Importance of Mental Health



Emotional Well-being

Mental health is foundational to our emotional well-being. When our minds are healthy, we are more equipped to handle negative emotions like stress, sadness, or frustration. We are better able to stay calm during challenges, make decisions with clarity, and approach problems with resilience.

Physical Health Connection

There's a strong connection between mental and physical health. Mental health conditions such as depression and anxiety can lead to physical symptoms like fatigue, headaches, and trouble sleeping. Moreover, chronic mental health issues can increase the risk of developing serious physical health conditions, such as heart disease, diabetes, or stroke.

On the flip side, maintaining good mental health can promote better physical health outcomes.



When we feel mentally well, we're more likely to take care of our bodies by exercising, eating healthily, and seeking medical care when needed.

Better Relationships

Mental health is essential in forming and maintaining healthy relationships. When we feel emotionally balanced, we communicate more effectively, listen with empathy, and respond positively to others. Mental health challenges, however, can lead to misunderstandings, isolation, or difficulty in expressing oneself. By taking care of our mental health, we can nurture stronger connections with our friends, family, and colleagues.

Increased Productivity and Success

A healthy mind can lead to greater productivity, whether at work, school, or in personal projects. People with good mental health are more likely to focus on tasks, stay motivated, and perform well under pressure. In contrast, mental health struggles can cause distractions, lack of motivation, and decreased performance.

Mental health also plays a significant role in achieving long-term goals. A strong mental state fosters resilience and perseverance, even when facing setbacks. Those with positive mental health are more likely to bounce back



from challenges and continue pursuing their objectives.

Resilience in Coping with Life's Challenges

Life is filled with inevitable challenges, including loss, failure, stress, and uncertainty. People with good mental health are more resilient, able to cope with adversity, and bounce back from hardships. They maintain a sense of hope, even in the face of difficulties, and possess the emotional strength to navigate through tough situations.

The Stigma Around Mental Health

Unfortunately, there is still a stigma surrounding mental health, particularly when it comes to seeking help or talking openly about struggles. Society often associates mental health issues with weakness or failure, leading many individuals to avoid acknowledging their challenges. This stigma can prevent people from seeking the help they need, leading to a worsening of their conditions.



It's crucial to break down these barriers by fostering a culture of openness, understanding, and support. Mental health should be discussed just as openly as physical health, with no shame or judgment attached to it.

Taking Care of Your Mental Health

Maintaining good mental health involves a combination of self-care, social support, and professional help when needed. Here are some ways to take care of your mental well-being:

Practice Self-care: Take time each day for activities that help you relax and recharge. This could include exercise, meditation, journaling, or spending time with loved ones.

Stay Connected: Building strong social connections is vital for mental health. Reach out to friends, family, or support groups regularly to foster a sense of belonging.

Seek Professional Help: If you're experiencing persistent mental health challenges, it's essential to seek help from a mental health professional. Therapy, counseling, or medication can provide effective solutions for managing mental health disorders.

Adopt Healthy Habits: Eat nutritious meals, stay physically active, and prioritize sleep. Physical health has a direct impact on mental health, so these habits contribute to emotional well-being.

Practice Mindfulness: Mindfulness and relaxation techniques can help reduce stress, improve focus, and promote emotional stability.

Conclusion

Mental health is an integral part of our overall health, influencing how we think, feel, and interact with the world. By understanding its importance and prioritizing mental well-being, we can lead healthier, more fulfilling lives. Whether it's improving emotional resilience, enhancing relationships, or boosting productivity, mental h

કવિતાનું આગમન (Kavitaanu Aagaman): ગુજરાતી કાવ્ય માટે એક આગમન

કવિતા, એક એવી યાત્રા, જ્યાં શબ્દોની સરહદો ઓગળી જાય છે, અને લાગણીઓનો દરિયો ધૂધવે છે. ગુજરાતી ભાષાના મધુર સ્વરોમાં, કવિતાનું આગમન એક ઉત્સવ સમાન છે. જાણે, વસંતની પહેલી લહેરખી, જે સૂકા પાંદડાંને પણ જીવંત કરી દે છે.

કવિતાનું આગમન એટલે:

હૃદયના ધબકારનું પ્રતિબિંબ: કવિતા એ માત્ર શબ્દોનો સમૂહ નથી, પરંતુ હૃદયના ઊંડાણમાંથી નીકળતો એક નાદ છે. એ લાગણીઓનો પડઘો છે, જે આપણા આત્માને સ્પર્શી જાય છે.



શબ્દોની રંગોળી: ગુજરાતી ભાષાના શબ્દો જાણે રંગોળી જેમ ફેલાઈ જાય છે, અને કવિતા એક સુંદર રંગોળી બની જાય છે. એમાં પ્રકૃતિના રંગો, સંબંધોની મીઠાશ, અને જીવનના અનુભવોનો સમાવેશ થાય છે.

મૌનનું સંગીત: કવિતામાં શબ્દોની સાથે મૌન પણ એક સંગીત બની જાય છે. એ શાંતિના એ પળો છે, જ્યાં શબ્દોની ગેરહાજરીમાં પણ ઘણું બધું કહેવાઈ જાય છે.

સંસ્કૃતિની ધરોહર: ગુજરાતી કવિતા આપણી સંસ્કૃતિની એક અમૂલ્ય ધરોહર છે. એ આપણી પરંપરાઓ, મૂલ્યો, અને ઇતિહાસને જીવંત રાખે છે.

આશાનો દીવો: કવિતા અંધકારમાં પણ આશાનો દીવો બનીને પ્રકાશ ફેલાવે છે. એ આપણને મુશ્કેલ સમયમાં પણ હિંમત આપે છે, અને સુંદર ભવિષ્યની કલ્પના કરવા પ્રેરણા આપે છે.

ગુજરાતી કવિતાનું આગમન, એક એવી યાત્રા છે, જ્યાં:

શબ્દોની મહેફિલમાં લાગણીઓ નૃત્ય કરે છે.

પ્રકૃતિના ખોળામાં શાંતિનો અનુભવ થાય છે.

જીવનના સત્યોને સરળ શબ્દોમાં વ્યક્ત કરવામાં આવે છે.

From Dreams to Reality: The Power of Self-Belief

"Believe in yourself, and the world will believe in you."



Every great achievement starts with a dream—but it is self-belief that turns dreams into reality. History proves that those who succeed are not always the most talented or privileged, but the ones who never stop believing in themselves.

Doubt and fear will always exist, but true strength lies in pushing forward despite them. Self-belief transforms challenges into opportunities, failures into lessons, and aspirations into achievements.

Believe fiercely, act boldly, and watch the impossible become your story. Let your vision be clear, your heart unwavering, and your spirit unshakable. The world may doubt you—but when you believe in yourself, even the greatest obstacles become stepping stones toward your destiny

So, dare to dream, but more importantly, dare to believe in yourself. Because the moment you do, nothing is impossible.

"A dream with belief is not just a wish—it is a destiny waiting to unfold."

Mental Health Awareness: Breaking the Stigma in College Life

As college students, we are often juggling academics, social pressures, and personal growth, all while adjusting to new environments. In such a high-pressure environment, mental health issues can sometimes take a backseat. However, the stigma surrounding mental health remains a significant challenge for many students, making it difficult for them to seek help when needed.

The stigma surrounding mental health issues is rooted in misconceptions and negative stereotypes. Many students may feel that mental health problems are a sign of weakness or that they should be able to handle everything on their own. This mindset can lead to isolation and prevent students from reaching out for support. In reality, mental health struggles are common and can affect anyone, regardless of their academic or social status. It's essential to challenge



these stereotypes and create an environment where students feel comfortable discussing their mental health.

Raising awareness about mental health is crucial, especially for college students. College life can be stressful—balancing coursework, exams, extracurricular activities, and the pressures of social life can often lead to anxiety, depression, and burnout. Left untreated, these issues can affect academic performance, relationships, and overall well-being. By prioritizing mental health awareness, colleges can help students recognize the importance of seeking help when needed and create a supportive environment where mental health is viewed as equally important as physical health.





Breaking the stigma starts with education. Colleges should promote mental health resources and encourage open discussions about mental well-being. Workshops, awareness campaigns, and peer support programs can play a key role in educating students and fostering a culture of empathy. Campus counseling services are also an important resource that many students may not fully utilize due to fear of being judged. By normalizing the conversation around mental health, colleges can help students feel more comfortable seeking help.

Additionally, developing healthy coping mechanisms is vital. Students should be encouraged to practice self-care—whether it's through exercise, meditation, or simply taking breaks to recharge. Building a strong support system of friends, professors, or counselors can also make a big difference during challenging times.

Ultimately, the more we talk about mental health on campus, the more we can reduce the stigma and create a supportive community where students are empowered to seek help and prioritize their well-being. Let's remember: taking care of our mental health is not a sign of weakness, but rather a sign of strength.

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The Mystery of Black Holes

Black holes have long been one of the most fascinating and mysterious phenomena in the universe. These enigmatic cosmic objects have captured the imagination of scientists and the public alike, as they continue to challenge our understanding of space, time, and gravity. But what exactly are black holes, and what do we know about them so far?

What is a Black Hole?

A black hole is a region of space where gravity is so strong that nothing, not even light, can escape its pull. This immense gravitational force is created when a massive star collapses under its own weight at the end of its life cycle. The point of no return around a black hole is called the event horizon—once something crosses this boundary, it is inevitably pulled toward the singularity, a point of infinite density at the core.

Types of Black Holes

Scientists categorize black holes into three main types based on their size and origin:

Stellar Black Holes – These form when massive stars collapse after exhausting their nuclear fuel. They typically range from a few to several tens of solar masses.

Supermassive Black Holes – Found at the centers of galaxies, these black holes contain millions to billions of times the mass of the Sun. The Milky Way's own Sagittarius A* is a supermassive black hole.

Intermediate and Primordial Black Holes – These are theoretical or rare categories that may exist between stellar and supermassive sizes or could have formed in the early universe.

How Do We Detect Black Holes?

Since black holes do not emit light, scientists rely on indirect methods to detect them, such as:

Gravitational Effects: Observing how a black hole's immense gravity affects nearby stars and gas clouds.

X-ray Emissions: When matter falls into a black hole, it heats up and emits X-rays, which can be detected by space telescopes.

Gravitational Waves: The collision of black holes generates ripples in spacetime, which were first detected by LIGO (Laser Interferometer Gravitational-Wave Observatory) in 2015.



Breakthrough Discoveries

First Ever Black Hole Image (2019): The Event Horizon Telescope (EHT) captured the first direct image of a black hole in the M87 galaxy, confirming Einstein's predictions.

Hawking Radiation Theory: Proposed by Stephen Hawking, this theory suggests that black holes slowly evaporate over time by emitting radiation.

Merging Black Holes: The detection of merging black holes through gravitational waves has given us new insights into their behavior and evolution.

Unanswered Questions

Despite these discoveries, many mysteries remain?

What exactly happens inside a black hole beyond the event horizon?

Can black holes serve as gateways to other universes?

How do supermassive black holes form so quickly in the early universe?



Campus Culture at the College of Agricultural Information Technology, AAU, Anand

The College of Agricultural Information Technology (CAIT) at Anand Agricultural University (AAU) is renowned for its vibrant campus culture, blending academic Excellence with extracurricular activities. Students here experience a unique mix Of technological advancements, agricultural innovation, and a dynamic social Environment that fosters holistic growth.



Academic Environment

The academic culture at CAIT is built around cutting- edge technology and agricultural Advancements. Students engage in research projects, participate in hands- on training Sessions, and collaborate on innovative solutions to real-world agricultural challenges. The college also hosts seminars, workshops, and guest lectures from industry experts To keep students updated with the latest trends.

Extracurricular Activities and Student Life

Beyond academics, CAIT offers a variety of extracurricular activities. Students Participate in cultural festivals, tech events, and agricultural exhibitions. The University organizes annual sports meets, cultural nights, and social service Programs through NSS (National Service Scheme) to instill leadership and Teamwork skills. The lush green campus, modern facilities, and active student Clubs contribute to a well- rounded student experience.

Campus Infrastructure and Facilities

The AAU campus boasts state- of-the- art infrastructure, including modern Classrooms, research laboratories, computer centers, and hostels. The well-Equipped library provides access to numerous academic resources, and the Digital learning platforms enable seamless education. The campus also features Recreational spaces, cafeterias, and a serene environment that enhances the Learning experience.

Community and Networking

One of the defining aspects of CAIT's culture is its strong sense of community. Students build lasting relationships with peers, faculty, and alumni, creating a network that supports professional growth. The college also collaborates with National and international institutions, offering exchange programs and Internship opportunities that broaden students' perspectives.



Why Our College Environment is Better Than Others !!



One of the main reasons our college is better than others is the personalized attention we receive from our professors. Unlike larger institutions where classes can be overcrowded, our college offers smaller class sizes, ensuring that professors have the time and space to engage with each student. This means that students are not just a number but are recognized as individuals, with professors offering mentorship and guidance both inside and outside the classroom. The accessibility and approachability of our faculty create a learning environment where students feel supported and encouraged to succeed.

In addition to the academic support, our college boasts a vibrant campus life. There is a strong emphasis on extracurricular activities, from clubs and societies to sports and the arts. These activities provide students with opportunities to build leadership skills, form lasting friendships, and explore new interests beyond their studies. Our college offers a sense of community where everyone can find a group or activity that aligns with their passions. This inclusivity creates a lively and engaging atmosphere that makes campus life both fulfilling and fun.

Our college also offers state-of-the-art facilities that enhance the student experience. The campus is equipped with modern lecture halls, well-equipped labs, and extensive digital resources that make learning easier and more efficient. The library is not just a place for quiet study, but also a hub of resources, offering everything from books to digital databases that support research and academic growth. With these resources, students have the tools they need to excel in their studies and make the most of their college years.



Beyond academics, our college prioritizes the well-being of its students. With a focus on both mental and physical health, the college offers counseling services, wellness programs, and fitness facilities that encourage students to take care of themselves. The emphasis on maintaining a healthy balance between work and personal life is one of the many reasons why our college environment is so positive. It's a place where students can thrive not only academically but also in terms of their overall health and happiness.

The diversity of our student body further enhances the college environment. Students from various cultural, social, and academic backgrounds come together to form a community that is inclusive and enriching. This diversity of perspectives fosters an environment where students learn from one another, both inside and outside the classroom. The exchange of ideas and experiences creates a global outlook that prepares students for success in an interconnected world.

Finally, the sense of community at our college is unmatched. Despite being a growing institution, the campus maintains a close-knit atmosphere where students, faculty, and staff

Interact regularly. This strong sense of belonging creates an environment of collaboration and support, where students feel comfortable reaching out for help and are more likely to succeed as a result. The relationships that are built here last far beyond graduation, thanks to a strong alumni network that continues to support students well into their careers.

In conclusion, our college offers an environment that is truly exceptional. With personalized academic support, a rich and diverse campus life, modern facilities, a focus on well-being, and a strong sense of community, it's an ideal place for students to thrive. It's a college experience that goes beyond just earning a degree, offering a holistic environment where students are encouraged to grow both personally and academically. This is what makes our college environment better than others.

The Happiest Days of Our College Life

College life is a special time filled with new experiences, friendships, and fun moments. It is a journey of learning, growing, and making memories that stay with us forever. When I think about my college days, some moments stand out as the happiest, filled with laughter, excitement, and joy.

The first day of college was both exciting and scary. Walking into the campus, meeting new people, and attending my first class felt like the beginning of a big adventure. Everything was new, and I was full of hopes and dreams. Making friends and exploring the college made this day one of the most memorable.

One of the best things about college was the friendships I made. We spent hours in the canteen, laughing over silly jokes, helping each other with studies, and sharing our dreams. These friends became like family, and every moment with them was filled with happiness.

College festivals were some of the most exciting days. There were music, dance, and fun competitions where everyone participated. The energy, the cheers, and the joy of celebrating together made these events unforgettable. Whether winning a prize or just enjoying the performances, these days brought a lot of happiness.

While college was fun, studies were also important. One of the happiest moments was when I did well in a tough exam. After many nights of studying and hard work, seeing good results made me feel proud and happy. It showed that hard work always brings success.

Some of the best moments were unplanned—sudden road trips, skipping classes for a movie, or enjoying late-night snacks with friends. These little adventures made college life even more special. The laughter, the fun, and the memories we made will always stay with me.

The last day of college was full of emotions. It was a mix of happiness and sadness. We celebrated our journey, but at the same time, it was hard to say goodbye to friends and teachers. We promised to stay in touch, knowing that these college memories would always be special.



Balancing Hobbies in a Busy College Life

College life is a whirlwind of lectures, assignments, exams, and social events. Amidst all this, students often find themselves struggling to keep up with their hobbies—those activities that bring them joy, relaxation, and personal growth. However, managing hobbies alongside a demanding academic schedule is not impossible. With the right strategies, you can continue doing what you love without compromising your studies.



1. Prioritize and Plan Your Time

The biggest challenge in college is time management. With so many responsibilities, it's easy to feel overwhelmed. The key is to schedule your hobbies just like your academic tasks. If you enjoy painting, writing, or playing an instrument, set aside a specific time in your weekly routine for it.

Use tools like Google Calendar, Notion, or simple to-do lists to block time for hobbies. Even 30 minutes a day can make a big difference in keeping your interests alive.

2. Integrate Hobbies into Daily Activities

Not all hobbies require separate time slots. Some can be merged into your daily routine:

Love reading? Carry a book and read while commuting.

Enjoy photography? Capture moments on your way to class. Passionate about fitness? Turn your walk to college into a mini-workout. Small adjustments can keep you connected with your hobbies without disrupting your schedule.

3. Join College Clubs and Communities

Most colleges have clubs dedicated to different interests—music, dance, writing, coding, gaming, and more. Joining a club makes it easier to stay consistent with your hobby while also meeting like-minded people. Plus, being part of an organized group can help you learn new skills and stay motivated.

If a club for your hobby doesn't exist, why not start one? It could be a great way to bring together students who share the same passion.

4. Use Hobbies as a Stress Reliever

College can be stressful, but hobbies can act as a mental escape. Instead of seeing hobbies as an

extra burden, treat them as a way to recharge. Activities like sketching, playing an instrument, or even gardening can help you relax after a long study session.

Hobbies don't have to be time-consuming to be effective. Even 5–10 minutes of doing something you love can refresh your mind and improve productivity.

5. Turn Your Hobby into Something Productive

If time is a constraint, look for ways to make your hobby beneficial in other aspects of your life. For example:

If you love writing, start a blog or contribute to your college magazine.

If you enjoy coding, take on small freelance projects.

If you're into photography or video editing, use it to create content for social media or college events.

This way, your hobbies can enhance your resume, open career opportunities, or even earn you some extra income!

6. Be Flexible and Enjoy the Process

Sometimes, college gets overwhelming, and it's okay if you can't give your hobbies as much time as you'd like. The goal isn't to stick to a strict schedule but to find joy in the little moments when you can engage in what you love.


Even if you pause for a while, don't give up on your hobbies. You can always come back to them when your schedule allows. The key is to enjoy the process rather than stress about managing everything perfectly.

From Procrastination to Productivity

We've all been there promising ourselves that we'll start an assignment early, only to find ourselves rushing at the last minute. Procrastination is something every student struggles with, and while it feels harmless at first, it often leads to stress, poor-quality work, and sleepless nights. So, how can we move from being serial procrastinators to productive students?

First, we need to understand why we procrastinate. Most of the time, it's not just laziness. It could be because the task seems too big, we don't know where to





start, or we're afraid of failing. The key is to break the work into small, manageable steps. Instead of thinking, "I have to complete this entire project," start with "I'll just research the topic for 15 minutes." This makes the task feel less overwhelming.


Another trick is the "5-minute rule." If you don't feel like studying, tell yourself you'll do it for just five minutes. More often than not, once you start, you'll keep going. The hardest part is just beginning!

Distractions are another major reason for procrastination. Our phones, social media, and even just random thoughts can pull us away from work. Try using the Pomodoro technique work for 25 minutes, then take a 5-minute break. It helps maintain focus without feeling exhausted.

Lastly, reward yourself. Set small goals and treat yourself when you complete them. Whether it's a snack, an episode of your favorite show, or a short walk, having something to look forward to makes it easier to stay on track.

At the end of the day, productivity isn't about working all the time it's about working smart. By making small changes in our daily routine, we can stop procrastinating and actually get things done. And trust me, finishing your work on time feels way better than the stress of a last-minute panic!

Javerchand Meghani: A Beacon of Gujarati Literature and Folk Culture



Introduction

Javerchand Meghani (1907–1947), popularly known as the "Rasabiji" of Gujarat, was a prominent Indian poet, writer, and folk-lore enthusiast. His literary works, rooted deeply in the ethos of Gujarat, remain a cornerstone of Gujarati culture. Meghani is celebrated not only for his poignant poetry and stories but also for his efforts in preserving and promoting Gujarati folk music and traditions. His work continues to inspire and influence generations, making him one of the most respected literary figures in India.





Early Life and Education

Born in Chhota Udepur, Gujarat, Javerchand Meghani came from a humble background. He showed an early interest in literature and culture, developing a deep affinity for folk traditions. Meghani studied at the Gujarat Vidyapith in Ahmedabad, where he was influenced by Mahatma Gandhi's ideals of simplicity and self-reliance. His academic pursuits were balanced with a rich engagement with local folklore, which significantly shaped his writing.

Literary Contributions

Javerchand Meghani's literary journey is most notable for his contribution to Gujarati poetry and the preservation of folk culture. He is best known for his vibrant and evocative poems, many of which reflect the struggles, joys, and aspirations of common people. Some of his famous works include *"Ranglo"*, *"Saurashtra"*, and *"Gujarat no Narno"*. His work often delves into the themes of patriotism, social justice, and the rich cultural heritage of Gujarat.

Meghani also made significant contributions as a storyteller. His ability to weave narratives that touched the hearts of people made him a beloved figure in the Gujarati literary community. His stories often featured characters drawn from rural Gujarat, highlighting their emotions and values.

Folk Culture and Music

Meghani's work transcended the boundaries of written literature. His deep understanding and love for folk music led him to collect, preserve, and perform folk songs. His collections of folk songs, including *"Mojan No Mor"* and *"Bhavai"*, are a testament to his dedication to preserving the cultural fabric of Gujarat. Meghani's renditions of folk songs were both beautiful and powerful, making him an icon of Gujarati folk music.

The Enduring Value of Book Reading for College Students



In today's digital age, where social media and online content often dominate our attention, reading books may seem like a lost art. But for students at college though, reading is really a vital thing with a ton of awesome benefits academically, emotionally and personally. While digital media provides quick information, books offer depth, reflection, and lasting knowledge. Here's why college students should continue to prioritize reading books in their academic and personal lives.

1. Academic Success and Knowledge Retention



Textbooks and academic papers often cover complex material that requires a deeper level of understanding. Unlike short online articles or videos, books allow for thorough exploration of topics, which helps students retain information better. By reading extensively, students can grasp nuanced concepts, sharpen their critical thinking skills, and apply this knowledge effectively in their studies.

2. Enhanced Focus and Mental Discipline

In a world full of distractions, reading a book encourages sustained focus and concentration. Unlike browsing social media or watching videos, which often divide our attention, reading requires full engagement. This mental discipline helps students raise their attention span and is really handy when it's time to buckle down and study for tests or when there are projects that are super long and involved.

3. Emotional Growth and Empathy

Books, particularly fiction and memoirs, help students connect with different emotions and experiences. This process of immersing oneself in the lives of characters from various walks of life cultivates empathy and emotional intelligence. For college students, reading serves as something of real comfort for the soul. In hard times and rough times during college, good books are incredibly valuable for learning things and just for giving support.

4. Improved Communication Skills

One of the most immediate benefits of reading is vocabulary expansion. As students read more, they encounter new words and phrases, which naturally enhances their communication skills. This improved vocabulary enables students to express themselves more clearly and persuasively, which is crucial for academic essays, presentations, and future career opportunities.

5. A Lifelong Learning Habit

Reading books encourages a habit of lifelong learning. College is only the beginning and there's still so much learning to do. Reading books and learning beyond what happens in the lecture hall is how students can keep that curiosity around learning alive and dynamic. Engaging with books on various subjects broadens perspectives and prepares students for the ever-evolving demands of the workforce.

6. Relaxation and Stress Relief

College life can be pretty intense, and sometimes the best way to relax is something that students struggle to figure out. Reading provides an excellent escape, offering a break from academic pressure.

Whether it's diving into a thrilling mystery or a thought-provoking novel, books offer students a mental retreat, helping to manage stress and rejuvenate the mind.

7. Balancing Books and Digital Media

using digital platforms for quick information and books for in-depth exploration and critical thinking. This balance gets students learned not just broadly but also deeply.

Conclusion

In times when we're constantly distracted by all sorts of gadgets like phones and computers, the longstanding habit of picking up a good book is absolutely crucial for students today. From enhancing academic performance to fostering emotional intelligence and improving communication skills, the value of reading cannot be underestimated. By making time to read, students not only invest in their education but also in their personal growth, preparing them for lifelong success.

Sayajirao Gaekwad : A Visionary Leader and Revolutionary Icon

Sayajirao Gaekwad is a name that resonates with history, power, and leadership. A visionary and revolutionary, Gaekwad's contributions to his community, society, and history are worth recognizing and cherishing. He is an important figure who carved a legacy as a social reformer, a key leader, and an individual who had a lasting impact on his society.

Early Life and Background

Born into a family that was deeply rooted in culture and history, Shayji Rao Gaekwad's early life set the stage for the remarkable work he would later pursue. He hailed from a background where knowledge and wisdom were highly valued, shaping his values and ideals from a young age. His family played an instrumental role in nurturing his intellectual curiosity and passion for social justice.

Leadership in Revolutionary Movements

Sayajirao Gaekwad emerged as a prominent leader during the turbulent times of social change. At a time when society was rife with inequality, his leadership style was rooted in both compassion and



decisiveness. Gaekwad stood at the forefront of numerous revolutionary movements aimed at dismantling oppressive systems and advocating for equality.

His leadership was characterized by a unique combination of wisdom and action, as he was not only an advocate for reforms but also a participant in various on-ground efforts. Through strategic alliances, public discourse, and tireless efforts, Gaekwad helped mobilize communities for the causes he believed in, such as education, social justice, and empowerment for marginalized groups.



Contributions to Society and Culture

One of Sayajirao Gaekwad's most significant contributions was his dedication to uplifting his community through education. He believed that education was the key to breaking societal barriers, and he worked tirelessly to establish institutions that would serve as pillars for future generations. His efforts led to the establishment of schools, community centers, and learning hubs that provided opportunities for the underprivileged to gain knowledge and improve their lives.

In addition to his educational efforts, Gaekwad played an important role in promoting cultural identity and pride. In an era where colonial influences were pervasive, he focused on preserving local traditions, languages, and heritage. Through his work, he instilled a sense of cultural pride and unity among the people, encouraging them to value their roots while pushing for modernization and progress.

Social Reforms and Advocacy

As a social reformer, Sayajirao Gaekwad was deeply committed to addressing the injustices that plagued society. He was particularly vocal against caste discrimination, gender inequality, and the exploitation of the poor. He recognized that the path to a just society required challenging long-held traditions and breaking the shackles of social hierarchy.

His advocacy for the empowerment of women, for instance, was revolutionary in its own right. He campaigned for women's rights to education, employment, and social participation, at a time when such ideas were met with resistance. His progressive views contributed to the slow but steady transformation of societal norms, and his leadership inspired many other reformers of the time.

Legacy and Impact

The legacy of Sayajirao Gaekwad is deeply etched in the fabric of the communities he served. His name continues to be associated with progress, empowerment, and the pursuit of equality. His life serves as a reminder that true leadership is not defined by power but by the ability to inspire change, challenge the status quo, and lead with integrity and purpose.

Today, many of the institutions and initiatives he established continue to thrive, shaping the lives of countless individuals. His work laid the groundwork for the generations that followed, and his ideas of education, social justice, and cultural preservation continue to resonate in modern society.

Conclusion

Sayajirao Gaekwad was not just a leader; he was a trailblazer who brought about significant social change. His life's work, from his efforts in education to his campaigns for social reform, left an indelible mark on history. As we reflect on his legacy, we are reminded of the power of visionary leadership and the enduring importance of fighting for justice, equality, and the betterment of society.

ESTATE EXPLORER: From a Idea to a Real-World Startup



As students, we often underestimate the amount of free time we have during our academic years. The truth is, we all have the potential to do something impactful—we just need to use our time wisely. A few hours of dedication every day can shape our future, and that's exactly what I did with ESTATE EXPLORER.

The Beginning of Something Big

In 2023, I co-founded ESTATE EXPLORER with my elder brother. The idea came from a simple realization: buying and selling property is a complicated process, and people often struggle to find reliable information and trustworthy builders. We wanted to change that by creating a platform that makes real estate transactions smooth, transparent, and efficient.

The Journey and Achievements

Starting a business while studying was challenging, but every step taught me something valuable. Our hard work was recognized when we received a grant from iHub, a Gujarat government initiative that supports innovative startups. This grant helped us take ESTATE EXPLORER to the next level.

One of our proudest moments was getting featured at Bharuch's biggest property expo—CREDAI Real Estate & Property Expo 2025. Presenting our work to industry leaders, builders, and customers was an unforgettable experience that reinforced our belief in our vision.

Making a Real Impact

The most rewarding part of this journey is knowing that our platform is helping people. Builders have seen improved business opportunities, and customers have found it easier to buy their dream homes. Our goal is to make property buying as simple as online shopping—fast, easy, and completely transparent.

A Big Thank You to My College

Throughout this journey, my college has played a huge role in shaping my entrepreneurial mindset. From providing the right environment to constantly pushing me forward, my college has always encouraged me to take bold steps and explore new ideas. Their support has been a major factor in making my startup dream a reality.

The choice is ours: waste our time or use it to build something meaningful.

ESTATE EXPLORER is not just a startup; it's proof that with passion and persistence, we can turn ideas into reality.

Can AI Replace human ..?



During A conference , Nvidia a very famous company in GPUs introduce its latest AI robots, such as Blue and Issac GROOT N1. The robots can done the tasks that were done by human, including talking ,joke-telling and conducting complex tasks. Blue which was created in collaboration with Disney Research can talk like human while Isaac GROOT N1 can conduct different task in different area with vision, language and action.

As increasing use of more Artificial intelligence in our daily life like chatbots which answer the question , robots in a factory or many more like generative AI and many more raise a question in our deep minds that,

Can AI Substantial of Humans.. in future?

There are some places where AI is Superior in compare of human like It can scan massive amount of information in speed and assist doctors in diagnosing of illness from medical reports .Ai is fast , efficient and multitasking. But its still not able to do tasks in which humans are superior like creativity , critical and emotions based thinking/ decision making.

For the example AI can handle customer support but it cant understand frustration or emotional points of customer.

So can humans replace by AI.? Not really based on world scenario. AI can performs some things better but cannot perform everything which human can. Or AI can helpful us in large area or problem which running in the world but if we use it correctly .

Revolutionizing Agriculture through Information Technology



Agriculture has long been the backbone of India, providing food security and employment. With technological advancements, integrating Information Technology (IT) into agriculture has become essential for improving efficiency and sustainability. The College of Agricultural Information Technology (CAIT) plays a crucial role in equipping students with the skills to drive this digital transformation.

One of the key innovations in agri-tech is the use of Geographic Information Systems (GIS) and remote sensing. These technologies enable farmers to monitor soil health, assess crop conditions, and predict yields with remarkable accuracy. At CAIT, students learn to utilize such data-driven techniques to optimize resources and enhance productivity. Smart irrigation systems, equipped with sensors, further aid in precise water management, crucial for drought-prone regions.

Artificial Intelligence (AI) and Machine Learning (ML) are also transforming agriculture. AI-powered tools help detect crop diseases, manage pest infestations, and provide real-time insights for farmers. CAIT actively engages students in developing AI-driven solutions, contributing to a smarter agricultural ecosystem.

Digital platforms and mobile applications have made market access easier for farmers. Platforms like eNAM and Kisan Suvidha ensure fair prices and seamless trade. Inspired by these, CAIT encourages students to design user-friendly applications that bridge the gap between farmers and markets.

Additionally, blockchain technology is enhancing transparency in supply chains by tracking produce from farm to table, reducing fraud, and improving consumer trust.

Despite these advancements, challenges remain. Limited internet access and low digital literacy hinder the adoption of agricultural IT solutions. Government initiatives like Digital India are working to bridge this gap.

As sustainable agriculture becomes imperative, technology integration is no longer optional—it is a necessity. CAIT stands at the forefront of this revolution, nurturing professionals who will lead the future of agri-tech. By harnessing IT, agriculture is poised for unprecedented growth, ensuring food security and prosperity for generations to come.



The Unseen Battles of a Teenager



Teenage years are often painted as a vibrant mosaic of carefree adventures, self-discovery, and boundless energy. Yet, beneath this colorful façade lies a silent battlefield—an intricate web of emotions, expectations, and inner turmoil that often goes unnoticed. These unseen battles are intense, shaping not just who teenagers are today but who they will become tomorrow. As the saying goes, “Be kind, for everyone you meet is fighting a battle you know nothing about.” The Pressure to Fit In The pressure to belong is relentless. The fear of rejection can feel like a shadow that looms over every interaction.

Social media, a realm of filters and highlights, becomes a double-edged sword—offering connection while intensifying insecurities. The chase for likes and validation often leads to ‘identity masking,’ where teens hide their true selves in exchange for acceptance. As Ralph Waldo Emerson said, “To be yourself in a world that is constantly trying to make you something else is the greatest accomplishment.” Imagine the weight of constantly curating an online persona—smiling faces, perfect lives—while silently struggling with self-doubt. The desperate desire to fit in can push teenagers to adopt habits and interests that don’t reflect their true selves. “People wear masks to cover up their pain, but those masks often become cages.”

Academic Expectations and Stress The pursuit of academic excellence often feels like an endless race. Grades, competitive exams, and future ambitions create a pressure cooker environment. Failure



feels catastrophic, and even success is tainted by self-doubt the haunting voice of imposter syndrome whispering, “You’re not good enough. You’re just lucky.” A teenager drowning in assignments and expectations may sit at a desk, staring blankly at textbooks, the pages blurring as anxiety tightens its grip. It’s the silent battles—burnout, sleepless nights, and crippling self-doubt— that leave unseen scars. “Success is not the key to happiness.

Happiness is the key to success.”

Identity Crisis and Self-Discovery Adolescence is a storm of change—physically, emotionally, and mentally. The search for identity can feel like wandering in the dark. Teens grapple with existential questions: Who am I? What defines me? The tension between personal desires, societal expectations, and familial demands can be suffocating. Imagine a teenager gazing into a mirror, eyes searching for answers. A reflection fragmented by uncertainty, torn between being true to themselves and meeting expectations. “It takes courage to grow up and become who you really are.”

Mental Health Struggles Mental health remains an invisible battlefield. The term “high-functioning depression” describes those who hide pain behind smiles, while “smiling anxiety” masks turmoil. Often, their cries for help go unheard, dismissed as “just a phase.” Picture a teenager laughing with friends, yet feeling isolated— drowning in thoughts they can’t express. “The worst kind of pain is when you’re smiling just to stop the tears from falling.”

The Road to Resilience Despite the battles, resilience blooms. With understanding parents, empathetic friends, and accessible mental health support, teenagers can rise above adversity. Psychologists call this “post-traumatic growth,” where hardship becomes the soil from which strength emerges. “Stars can’t shine without darkness.” The journey may be challenging, but every step forward is a testament to inner strength.

How Anime Influences Modern Art and Storytelling

Anime is more than just colorful characters, big eyes, and epic battles—it's an art form that has revolutionized how we perceive visual storytelling. From iconic series like "Naruto" and "solo leveling" to masterpieces like "Your Name" and "Spirited Away," anime has captured the hearts of millions across the globe. But its impact goes far beyond entertainment; it shapes the very essence of modern art and storytelling.



The Visual Influence of Anime: Anime's artistic style is instantly recognizable. The exaggerated facial expressions, vibrant color palettes, and intricate details give each character a unique identity. Many digital artists and illustrators borrow anime's distinctive style to create captivating characters. Interestingly, some of the world's most famous animators, including Pixar's John Lasseter, have cited Japanese animation as a major influence.

Anime also brings a cinematic approach to visual storytelling, using dramatic angles, unique framing, and dynamic movements. Shows like "Attack on Titan" and "Demon Slayer" use first-person perspectives and sweeping camera angles, making viewers feel deeply connected to the action.

The "Speed Lines" Technique: Ever noticed those streaky lines behind a character when they're moving fast? This anime technique, called "speed lines," conveys intense motion and excitement. It's now a staple in comics and digital art.

Storytelling Techniques in Anime: Anime isn't afraid to dive deep into the human experience. It blends complex plots with relatable emotions, often focusing on themes of friendship, identity, loss, and determination. A character's journey in anime is more than a

hero's triumph—it's a reflection of real-life struggles and growth. Anime's use of non-linear narratives, symbolism, and metaphors sets it apart. Classics like "Neon Genesis Evangelion" and "Steins;Gate" are known for their intricate plots that demand viewers' attention. These stories challenge conventional storytelling, leaving fans to interpret deep messages long after the credits roll.

Anime's Influence on Webcomics: Webcomic creators often use anime's visual language and narrative style. For example, the popular webtoon "Tower of God" showcases character designs, expressions, and action scenes reminiscent of anime. **The Impact on Pop Culture:** Anime's reach is undeniable in pop culture. From fashion to memes, anime-inspired content floods social media. Clothing brands embrace anime aesthetics, and fan art

dominates platforms like DeviantArt and Instagram. It's not uncommon to see anime characters on

everything from backpacks to tattoos.

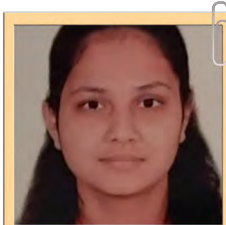
The Worldwide Cosplay Phenomenon: Cosplaying, or dressing up as anime characters, has become a global subculture. Events like Comic-Con and Anime Expo host thousands of fans who bring their favorite characters to life with stunning accuracy.

The Future of Art and Storytelling with Anime: As technology evolves, anime's influence is paving the way for VR, AR, and AI-generated art. Imagine immersive experiences where you live out your favorite anime scenes or create personalized anime avatars that react to your emotions.

Could AI Generate the Next Great Anime?: With advancements in artificial intelligence, we may see AI artists creating anime episodes or manga in real time. Will this enhance creativity or take away the human touch?

Conclusion: Anime's impact on art and storytelling is undeniable—it's a style, a culture, and a movement. As anime continues to inspire future generations of artists and creators, one thing remains clear: the world of anime is limitless, and its influence is only growing stronger.

Social Media: Revolution or Demolition?



Vishwa Patel
First Year

As we navigate the uncharted waters of 2025, it's evident that social media has revolutionized our lives. However, beneath the surface of this revolution lies a demolition of our values, culture, and humanity.

The relentless pursuit of trends has become the hallmark of our generation. We're living in an era where our lives are dictated by what's trending, and our self-worth is measured by the number of likes and followers we accumulate. The ancient Indian culture, once a beacon of wisdom and tradition, is slowly gathering dust.

While innovation and technological advancements have made our lives easier, they've also created a culture of dependency and entitlement. The rise of AI, for instance, has automated jobs, leaving many talented individuals without employment. The Ghibli art trend, which has taken the world by storm, is a stark reminder of the consequences of unchecked technological progress. An artist who spent 1.5 years perfecting their craft can now be replaced by a 5-minute AI-generated output.

Social media platforms like Instagram, initially designed to connect people and provide entertainment, have morphed into anxiety-inducing, competition-driven spaces. Children as young as three are creating reels, and toddlers are being thrust into the spotlight, raising concerns about their mental and emotional well-being.

Cybercrimes are on the rise, and the social media trap is becoming increasingly difficult to escape. However, this doesn't mean we should abandon social media altogether. Instead, we must learn to use these platforms responsibly, within limits, and for the betterment of society.

As we move forward, it's essential to recognize that change is an inherent part of the universe. However, it's our responsibility to ensure that this change is positive, constructive, and humane. We must strive to create a digital landscape that promotes empathy, kindness, and understanding.

In conclusion, social media is a double-edged sword. While it has the potential to revolutionize our lives, it also poses a significant threat to our humanity. As we navigate this complex digital world, let us remember to use social media responsibly, to promote positivity, and to preserve our values and culture for future generations.

Tribal Communities of Gujarat



A tribal community is a group of people who share a common ancestry, culture, and often a specific geographic area with strong kinship and traditions, often living in relative isolation from larger, more complex societies.

In India, tribal communities are also referred to as "Adivasis" and include groups like the Bhil, Gond, and Meena. These tribal communities are among the oldest inhabitants of many regions, often having distinct histories and cultures that predate the rise of larger, more complex societies.

In Gujarat, the home to diverse Adivasi (tribal) communities, comprising 14.8% of the state's population, with major groups like Bhil, Halpati, Dhodia, and Kathiya, known for their unique cultural practices, art forms like Warli paintings and Pithora paintings. Gujarat has over 26 scheduled tribe groups, with Bhils being the largest and others including Naikada.

These communities are concentrated in the eastern districts like Dang, Tapi, Surat, Narmada, Panchmahal, Dahod, etc., from the Rajasthan border in the north to the Maharashtra border in the south.

The Communities has the Cultural Practices like Art of paintings, a form of Sacred art, particularly notables using motifs like Tigers, Camels and Elephants. Festivals including Holi, Diwali and Dev Deepawali, often celebrated melas (fairs) and traditional dances. Tribal Communities have their own folk songs and dances, which are performed during festivals and marriages. Communities have rich tradition of using herbs and natural remedies for healing, with Bhagat Bhava playing significant role in religion, health, and society.

The Future of Space Travel: Are We Ready for Life Beyond Earth?

Humanity has long dreamed of venturing beyond Earth, exploring distant worlds, and even settling on other planets. With recent advancements in space technology and renewed interest from both governmental space agencies and private companies, this dream is inching closer to reality. But are we truly ready for life beyond Earth?

The Technological Leap

In the past decade, the rapid development of reusable rockets, space habitats, and sustainable life-support systems has propelled the space industry forward. Companies like SpaceX, Blue Origin, and NASA are making significant strides toward establishing a human presence on the Moon and Mars. The Artemis mission, aiming to return humans to the Moon by the late 2020s, serves as a stepping stone for further exploration.



Moreover, innovations in propulsion systems, like nuclear thermal propulsion and ion thrusters, promise to reduce travel time and make interplanetary missions more feasible. Artificial intelligence and robotics are also playing crucial roles in autonomous exploration and habitat management.

Challenges Beyond Earth

While technological advancements are promising, the challenges of space travel remain daunting. The harsh environment of space presents radiation exposure, microgravity effects on the human body, and psychological stress from isolation. Developing robust medical systems and effective countermeasures is essential to ensure astronaut well-being.

Additionally, creating self-sustaining habitats on extraterrestrial surfaces requires advancements in in-situ resource utilization (ISRU). Extracting water from lunar or Martian soil, generating oxygen, and growing food in controlled environments are pivotal for long-term survival.

Ethical and Societal Considerations

As we prepare for interplanetary colonization, ethical questions arise. Who gets to decide who goes to space? How do we ensure equitable access to resources? Establishing international space laws and cooperative agreements will be necessary to prevent conflicts and ensure responsible exploration.

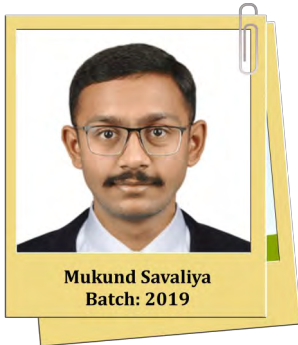
The Role of Collaboration

Global collaboration has been a key factor in space exploration, with the International Space Station serving as a successful model of international cooperation. Future missions to Mars and beyond will require joint efforts from space agencies, private companies, and scientific institutions.

Investment in research, infrastructure, and sustainable technologies will accelerate progress, making life beyond Earth a feasible reality within the next few decades.

Alumni's Speaks

1. What were the most impactful events, opportunities, or experiences during your college time?



My college years were truly transformative, and there were several moments that had a lasting impact on me. Participating in technical festivals and engaging in international-level online coding competitions was an incredible opportunity to apply the knowledge gained in class to real-world problems and to further develop my problem-solving skills. Additionally, I had the opportunity to serve as the General Secretary in my final year and as the Class Representative (CR) in my third year, which helped me grow both personally and professionally. The various guest lectures in college that shaped my understanding, along with industry interactions and internships, were instrumental in expanding my horizons and bridging the gap between theoretical learning and practical application. The friendships and teamwork experiences I gained from group projects in my final year and extracurricular activities also played a crucial role in shaping my personal growth, pushing me to take on leadership roles and develop critical soft skills.

2. What is one essential thing that students should do before graduating?

Before graduating, as AIT offers an interdisciplinary course, I would highly recommend that students actively seek real-world projects, even if they are outside their comfort zone. These experiences will not only deepen your understanding of your chosen field but will also provide invaluable insight into the industry.

3. What inspires your passion for your career or personal interests?

For me, the drive comes from the constant challenge of solving problems and creating impactful solutions. The tech industry is dynamic and ever-changing, which fuels my passion for learning every day and staying updated with the latest trends. On a personal level, I draw inspiration from the ability to create things that

can make a positive difference in people's lives—whether through software, innovation, or simply having the right attitude towards work, my team, my organization, and the world.

Alumni's Speaks



4. Can you share highlights of your journey after graduation? Were there any surprises or challenges?

After graduation, my journey has been filled with exciting opportunities and challenges as I delve deeper into my field. I am currently working as a Software Intern at Vantiva in Chennai while pursuing my M.Tech in CSE (Data Science) at Nirma University, India. One of the key realizations during this phase has been the importance of continuous learning whether through online courses, certifications, or hands-on experiences.

5. What additional skills or knowledge would you recommend students to learn beyond the curriculum?

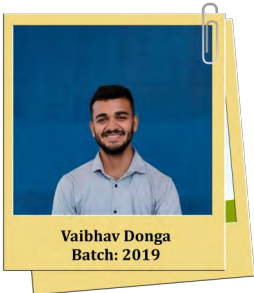
While the curriculum provides a solid foundation, it's essential to keep up with the evolving world of technology by constantly learning and gaining hands-on knowledge. I believe it's equally important for students to develop soft skills such as communication, teamwork, and leadership by actively engaging in college activities and projects both inside and outside the university. These skills are critical in any professional environment and often make a bigger difference than technical expertise alone. Additionally, understanding the basics and attending expert sessions organized by the college will help you maintain a healthy pace of learning.

6. What advice or message would you like to share with our young readers?

My advice to the younger folks would be is College is a time for exploration, learning, and self-discovery. Don't be afraid to make mistakes, as they often lead to the most profound growth. Stay curious, embrace challenges, and build strong relationships with peers and professors—these connections could be invaluable in the future. And most importantly, never stop learning. The world is always changing, and staying adaptable will be your greatest asset.

Alumni's Speaks

1. What were the most impactful events, opportunities, or experiences during your college time?



College was more than just classrooms and exams, it was a canvas of experiences that shaped my journey. The most impactful moments came from stepping beyond textbooks: engaging in college activities, participating in competitions, and forming connections with mentors who saw potential even when I doubted myself. But perhaps the most defining experiences were the spontaneous one sports on ground, celebrated festivals. Overall refined by experiences which give me confidence and many lessons to learn.

2. What is one essential thing that students should do before graduating?

Take a moment to build your identity beyond your degree. Ensure you step out of college with something that sets you apart. Also, learn skills outside your domain, challenge yourself with things that scare you, and seek growth in unexpected places.

3. Can you share highlights of your journey after graduation? Were there any surprises or challenges?

The journey after graduation was a mix of clarity and uncertainty. Some doors opened unexpectedly, while others required persistent knocking. One of the biggest surprises was realizing that grades matter less than skills, and adaptability. Challenges came in the form of the pressure to follow a conventional path, but overcoming them led to opportunities that I had never imagined.

4. What additional skills or knowledge would you recommend students to learn beyond the curriculum?

Communication, the way you present ideas matters as much as the ideas themselves. Adaptability learn how to analyze situations and pivot when needed. Relationship Building, the right connections can open doors you didn't even know existed.

5. What advice or message would you like to share with our young readers?

Alumni's Speaks

Your college journey is a Launchpad, but the real adventure begins when you step beyond what is expected of you. Don't be afraid to take risks, explore unconventional paths, and chase what excites you. Go out there and make something remarkable and memorable. Lastly, enjoy yourself as much as possible because college time never comes back once it's gone!

1. What were the most impactful events, opportunities, or experiences during your college time?



During my college years, the most impactful experience was joining the NCC, where I was honored to be awarded the title of Active Cadet. This, along with my participation in the IGC-RDC, helped me develop leadership and teamwork skills, especially during such challenging times.

2. What is one essential thing that students should do before graduating?

One essential thing I believe every student should do before graduating is to start preparing for the future. Whether it's clearing exams for further studies or acquiring technical skills for the corporate world, being proactive in setting a foundation is crucial for success.

3. Can you share highlights of your journey after graduation? Were there any surprises or challenges?

My passion for graphic design comes from the excitement of turning creative ideas into impactful visuals. The ever-evolving nature of the field keeps me motivated to learn and grow, and the satisfaction of seeing my work make a difference drives me to keep moving forward.

4. Can you share highlights of your journey after graduation? Were there any surprises or challenges?

After graduation, one of the biggest challenges was deciding my next step. I explored multiple fields, took exams, and even considered an MBA. Through this process, I discovered my true passion for graphic design, which taught me the value of persistence and staying open to unexpected opportunities.

5. What additional skills or knowledge would you recommend students to learn beyond the curriculum?

I recommend students stay updated with industry trends and technologies. Gaining skills like financial literacy and entrepreneurship—things not always taught in the curriculum—can also be game-

Alumni's Speaks

changers in building a successful career.

6. What advice or message would you like to share with our young readers?

To the young readers, don't limit yourself to just textbooks. College is about personal growth, so participate in extracurriculars, step out of your comfort zone, and embrace new experiences. Trust the journey, and know that every mistake is a chance to learn.

1. What were the most impactful events, opportunities, or experiences during your college time?



College played a huge role in shaping my career. Working with ISRO, participating in technical expos, and even cultural activities gave me exposure and confidence. These experiences not only helped me learn but also made my dream job a reality.

2. What is one essential thing that students should do before graduating?

One thing every student should do is complete at least one end-to-end project—something that includes both a technology learned in college and one that aligns with your career goals. When you work on a project from scratch, you understand real challenges, and that experience stays with you forever.

3. Can you share highlights of your journey after graduation? Were there any surprises or challenges?

I love going deep into a subject until I can understand every bit of it. Science and technology have always fascinated me, and the more I explore, the more my interest grows. That curiosity keeps me motivated to learn and work on new things.

4. Can you share highlights of your journey after graduation? Were there any surprises or challenges?

After college, I completed a Data Analytics with Python course by NAHEP. Then I found exactly what I was looking for—a job in the Agri + IT domain. I joined RPA Agriculture Infrastructure, Ahmedabad, a company that provides crop advisory using satellite GIS technology. I started as a Computer Vision Intern and now work as a Junior Python Developer, developing ML, statistical, and deep learning models for agriculture use cases. The journey has been exciting, full of learning, and exactly what I wanted.

5. What additional skills or knowledge would you recommend students to learn beyond the curriculum?

Alumni's Speaks

Apart from the curriculum, students should focus on practical skills like machine learning, data analysis, cloud computing, and problem-solving. Also, soft skills like communication and teamwork are just as important in real-world jobs.

6. What advice or message would you like to share with our young readers?

Stay curious, keep exploring, and apply your knowledge in real projects. Learning theory is good, but when you implement it, that's when the real magic happens. Be open to challenges, and never stop improving yourself!

1. What were the most impactful events, opportunities, or experiences during your college years?



College was a turning point in my life, full of eye-opening moments. The best experiences came from stepping out of the classroom—getting involved in practical, connecting with inspiring professors, and participating in college programs and events. Cultural events and student clubs taught me teamwork, leadership, and collaboration, which were invaluable skills.

2. What is one essential thing students should do before graduating?

Build skills beyond textbooks! Develop practical knowledge, improve communication and problem-solving skills, and grab internship opportunities. Also, start a project—whether it's personal or professional—that truly reflects your passion. It will set you apart and show what you're capable of.

3. What inspires your passion for your career or personal interests?

Curiosity and the desire to make a real impact drive me. I really enjoy learning, solving problems, and creating something meaningful. Seeing the results of my work and knowing that it makes a difference keeps me motivated every day.

4. Can you share highlights of your journey after graduation? Were there any surprises or challenges?

Life after graduation was exciting but full of surprises. At first, shifting from theory to real-world application was tough, but persistence and adaptability helped. One big realization was that career paths aren't always straight—they often take unexpected turns. The best opportunities sometimes come when you least expect them, so staying open to change is key.

Alumni's Speaks

5. What additional skills or knowledge would you recommend students learn beyond the curriculum?

There's so much to learn outside of academics! Strong communication and storytelling skills help you express ideas effectively. Problem-solving and adaptability prepare you for unexpected challenges. Networking and building connections can open doors to amazing opportunities. Also, having a basic understanding of technology, data, or coding gives you a competitive edge in almost any field.

6. What advice or message would you like to share with young readers?

Your degree is just one part of your journey—what truly matters is your ability to learn, adapt, and take initiative. Don't be afraid to explore, take risks, and step out of your comfort zone. Every challenge is an opportunity to grow, and success comes from passion and persistence.

1. What were the most impactful events, opportunities, or experiences during your college Time?



During my college years, several events and opportunities shaped my journey. The college organized various activities like sports events, seminars, and technical competitions. Among them, coding competitions had the most impact, as they greatly improved my problem-solving skills and helped me become a better coder. Additionally, serving as the class representative enhanced my leadership abilities, teaching me how to manage multiple responsibilities efficiently. These experiences played a crucial role in shaping both my technical expertise and personal growth.

2. What is one essential thing that students should do before graduating ?

Before graduating, students should focus on building a strong foundation in every subject. It is essential to thoroughly understand each concept, not just for exams but for real-world applications. Dive deep into the topics, clarify doubts, and ensure that your basics are crystal clear. A solid grasp of fundamental concepts will not only help in academics but also in future career opportunities, making problem-solving and innovation much easier.

3. Can you share highlights of your journey after graduation ? Were there any surprises or challenges ?

Alumni's Speaks



After graduation, my journey was filled with both challenges and achievements. One of the toughest moments was facing rejections from top tech companies like Amazon and Oracle. However, I didn't let setbacks define me. With persistence and continuous learning, I secured two offers one as an Associate Software Engineer at Squad Technologies Pvt. Ltd. in Ahmedabad and another as a Professor in the BCA department at Ganpat University. After careful consideration, I chose to begin my career as a Software Engineer, marking the start of an exciting and rewarding professional journey.

4. What additional skills or knowledge would you recommend students to learn beyond the curriculum ?

Beyond the curriculum, students should focus on developing essential skills that will set them apart. The two most important ones are problem-solving and communication. Strong logical thinking and problem-solving abilities help in tackling real-world challenges effectively, especially in technical fields. Equally important is communication, as expressing ideas clearly and confidently is crucial in any career. Along with these, staying updated with industry trends and gaining hands-on experience through projects or internships will give students a competitive edge.

5. What advice or message would you like to share with our young readers ?

As students of the College of Agricultural Information Technology, you are already on the right path so never doubt your potential. Focus on giving your 100% in everything you do, stay dedicated, and success will surely follow. Keep learning, keep growing, and embrace every challenge as an opportunity.

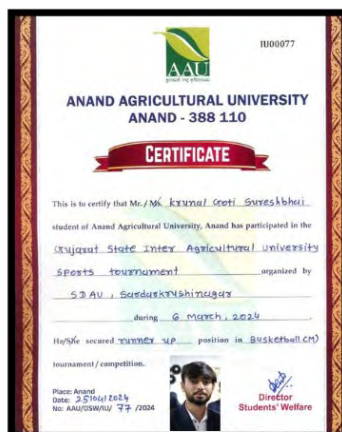
"Your hard work and determination today will shape the success you achieve tomorrow."

Wishing you all the best for a bright and rewarding future!

SPORTS ACHIEVEMENTS



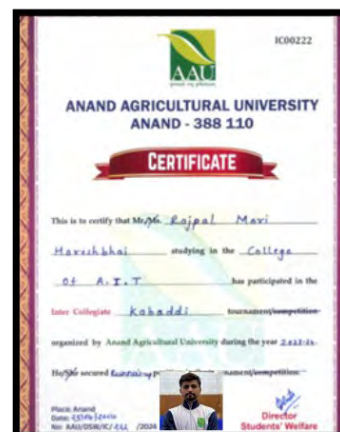
UNIVERSITY PLAYERS



Krunal Goti



Dhritree Vachhani



Rajpal Mori



INTER-COLLEGE WINNERS



Alpa Sonagara



Vraj Maheshwari



Jaynandinidevi Gohil



INTER-COLLEGE RUNNERS-UP



Kabaddi



Athletics

NCC C CERTIFICATE HOLDERS(GIRLS)



 **Rhutu Shah**



 **Sonagara Alpa**



 **Tejani Axita**

NCC C CERTIFICATE HOLDERS(BOYS) NCC B CERTIFICATE HOLDERS(BOYS)



 **Ravi Rathod**



 **Harshvardhansinh Makwana**

NSS ACTIVITY



Matrubhasha Divas



Shaheed Divas



Gujarat Sthapana Divas



Blood Donation Camp



Cleanliness Campaign

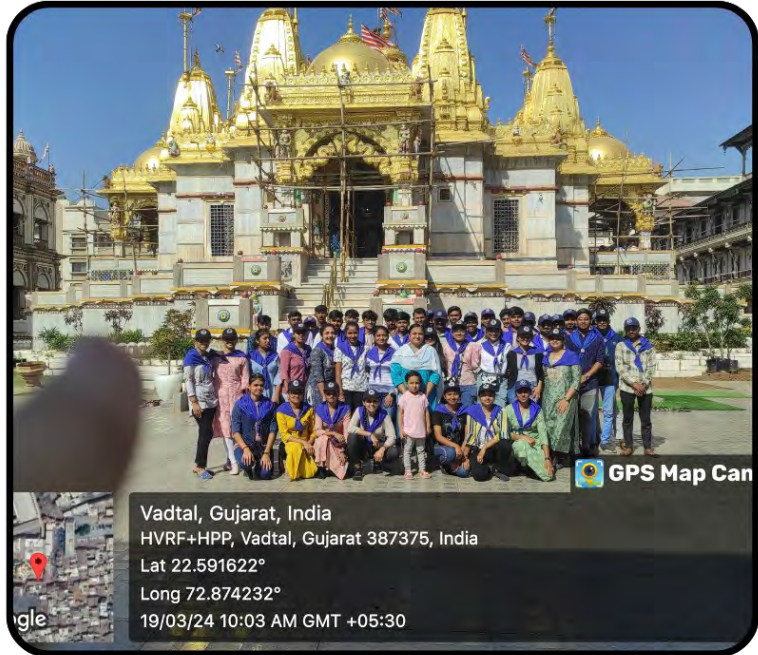


Thalassemia Test



NSS SPECIAL CAMP

2023 - 2024

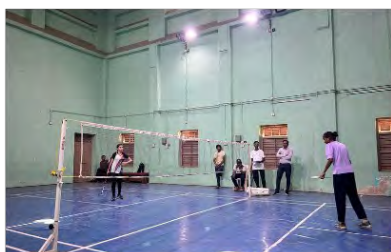




2024 - 2025



SPORT'S DAY







ADVENTURE ACTIVITIES



CULTURAL ACTIVITY



DAYS CELEBRATION



SIGNATURE DAY



GROUP DAY



BOLLYWOOD DAY



TRADITIONAL DAY



PROFESSIONAL DAY

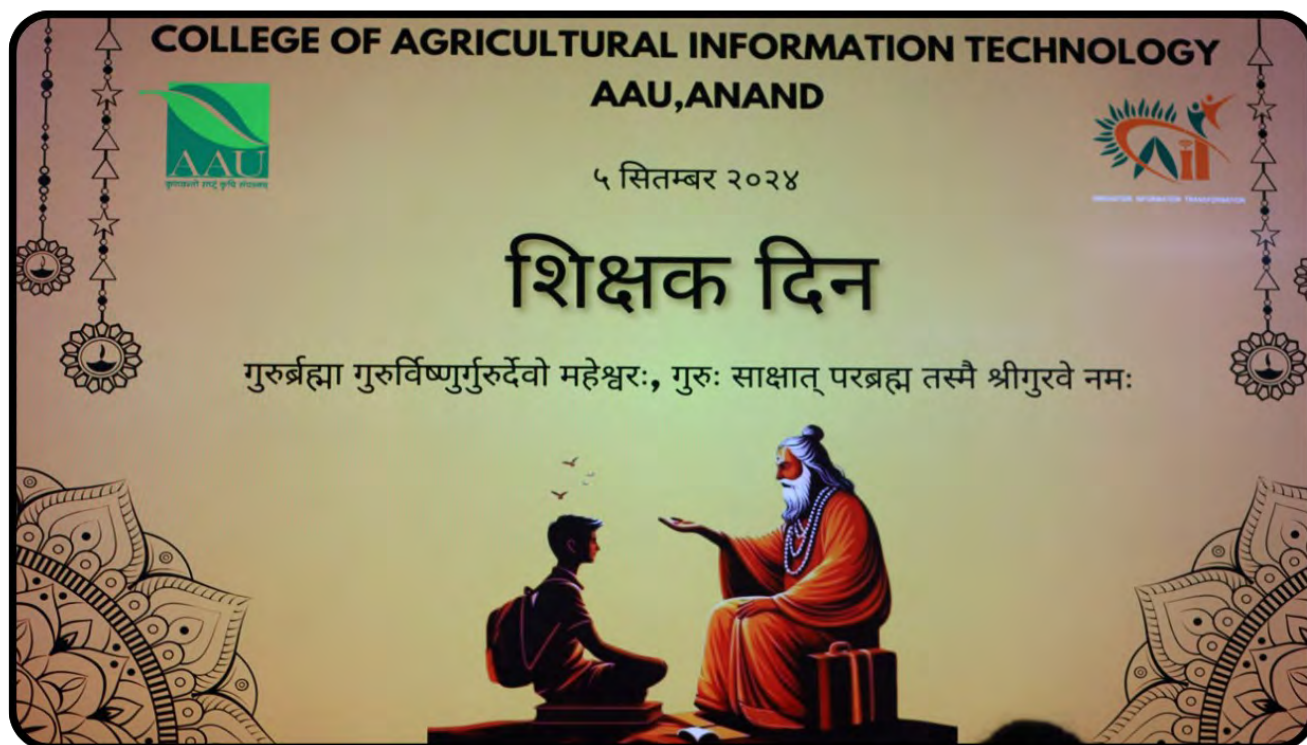
FRESHER 2K24



FAREWELL 2K25



TEACHER'S DAY



EDUCATION TOUR 2023

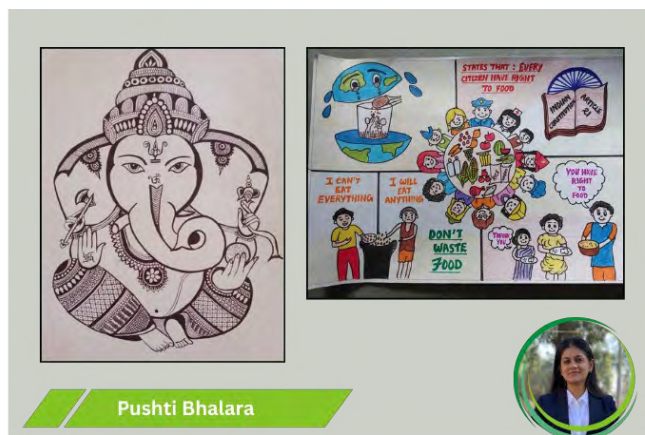
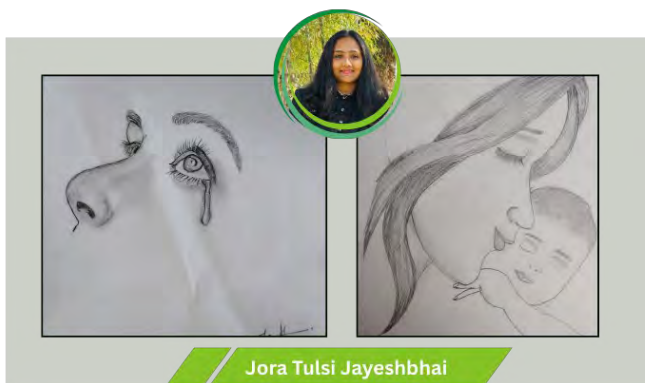


EDUCATION TOUR 2024



CREATIVE CORNER

PAINTING



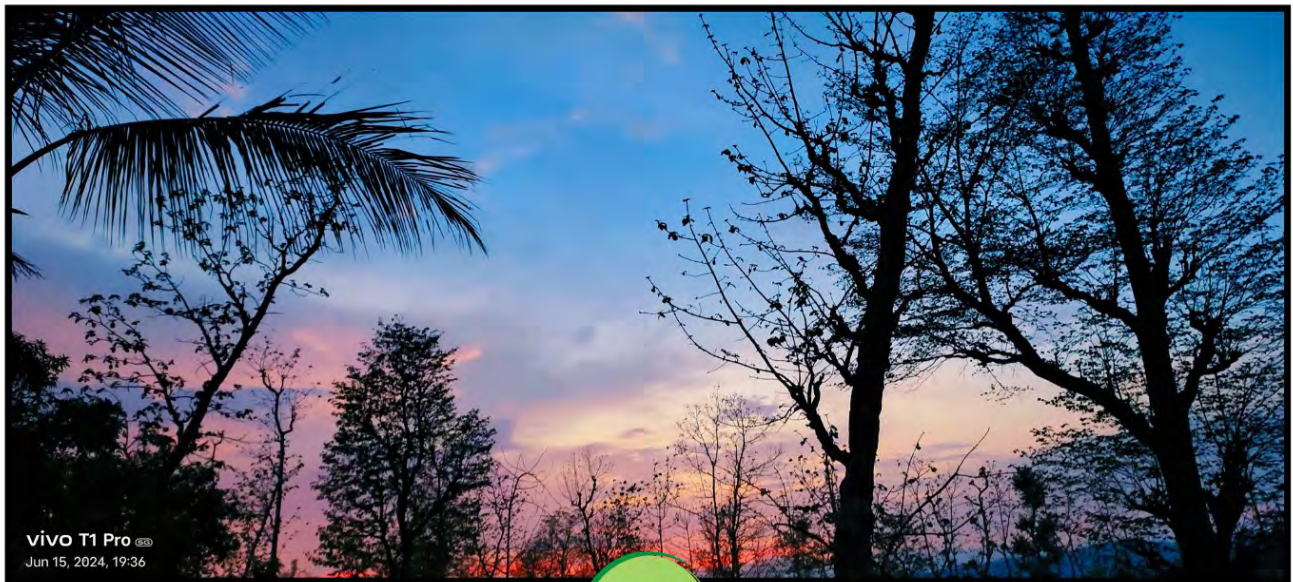
PHOTOGRAPHY



Prince Parmar



Pankaj Makwana



Mandeep Bhabhor



Jadav Rushil V.



Shayari

Code ki duniya mein jo samajh gaya
Zindagi ka har bug wah sulajhgaya,
Har Error ek seekh sunaata hain,

Jo seekh le, safar asaan banaata
hain,
Data jaisa hain apne jeevan,

Jo Input doge, wahi milega phir se
ban ban. Backup rakhna har rishte
ka,

Warna ek crash sab chheen sakta
hain. Networking sirf computer ka
nahi,
Rishton mein bhi stability chahiye
bhai, Jo connection strong rakhe
dil se,

Wahi life ka best IT guy...!

Code ki duniya mein master jo ban
gaya, Zindagi ka har bug woh fix kar
gaya.

Har Error ko Debug jo karna seekh
liya, Life ka system who Optimize kar
gaya. Data jaisa hain apna emotion,

Jo Input doge, wahi milega as a
Notion. Encryption rakhna har rishte
mein,

Warna hack ho jayega, koi Phishing
ke bahane mein. Networking sirf
computer ka khel nahi,

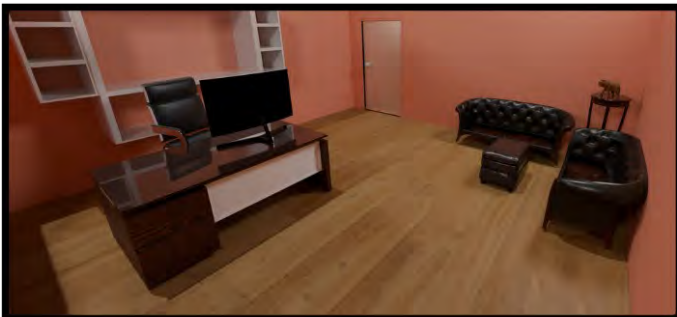
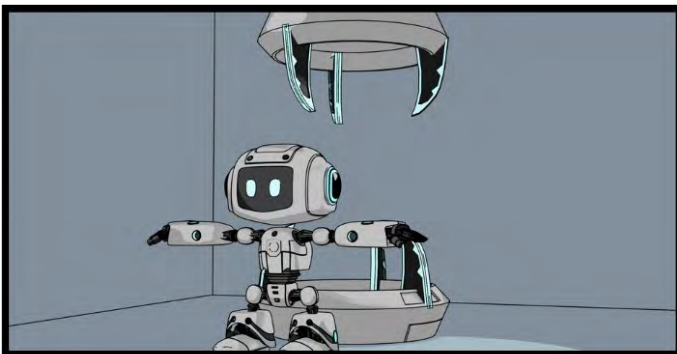
Logon se connect ho, yeh bhi halka
mazak nahi.

Jo Secure rakhe apni trust firewall,
wahi banega life ka real Protocol ...!

Harshvardhansinh



3D Models



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Er. V. I. Mehra (Assistant Professor)

Rathod Yashpal (Third Year)

Makwana Harshvardhansinh (Third Year)

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Gohil Jaynandinidevi (Third Year)

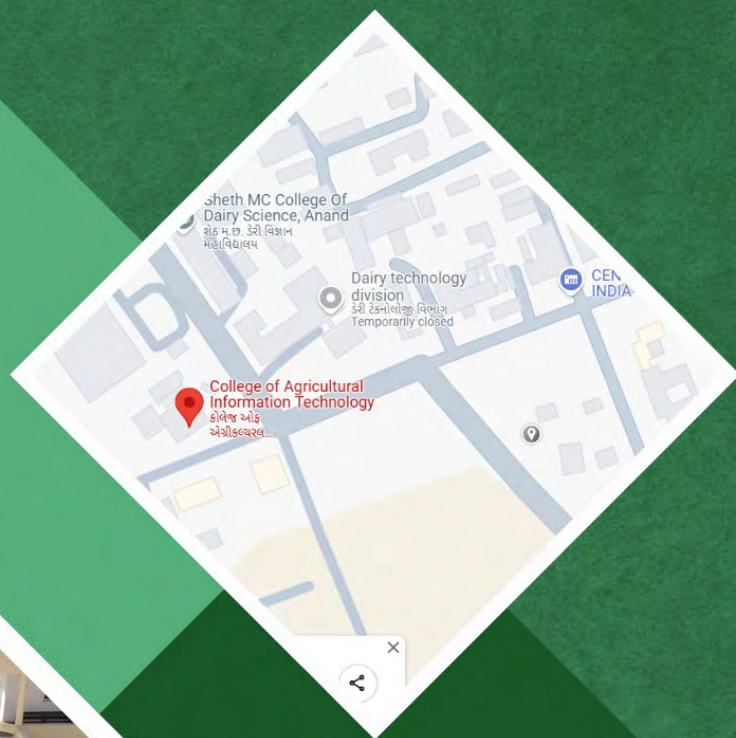
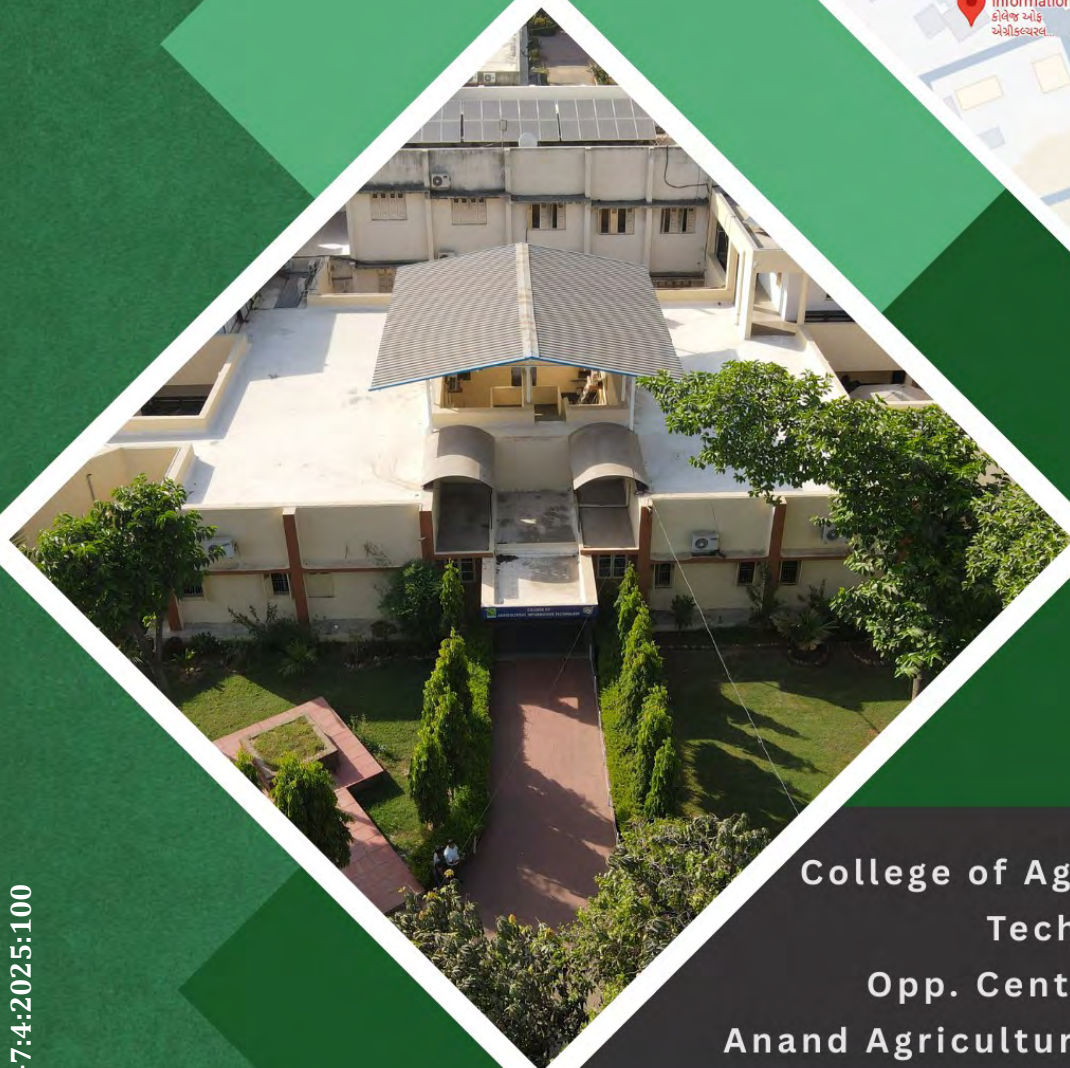
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