Issue 2 ■ Dec 2021

L. D. COLLEGE OF ENGINEERING, AHMEDABAD-15

ExpressIT

Information Technology

Technology, like art, is a soaring exercise of the human imagination.

-Daniel Bell

Message from Team ExpressIT

A new year has tiptoed in. We wish all of our readers a pleasant and prosperous new year. Let's rejoice in the 365 days that it brings. Let's go through its corridors singing praise hymns. Let's come together to raise each other's spirits and greet the new year with open arms.

We want to heartily thank all the individuals who are associated with the department, all the tech-savvy and creative minds for sharing their ideas and experiences, and a special thanks to all of our readers for their positive responses. We will do our best to provide you with more interesting articles and magazines in the near future.

STAY SAFE, STAY HEALTHY, AND, MOST IMPORTANTLY, KEEP READING!

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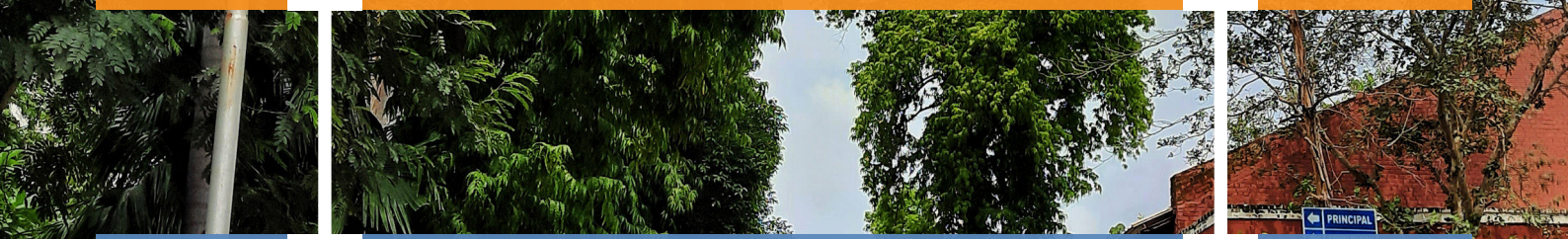
LDCE at the Glance

L. D. College of Engineering, endearingly known as L.D.C.E, is Ahmedabad's premier engineering college, situated in the city's heart surrounded by elite organisations like PRL, ATIRA, ISRO, IIM, and CEPT. Started in 1948 with an aim of imparting quality higher education in various fields of engineering, it has seen unprecedented growth. LDCE offers both undergraduate and postgraduate courses in 14 departments with a total strength of more than 6000 students.



Inside Our Department

The Department of Information Technology was started in the year 2000 and now provides both undergraduate and postgraduate courses. The Department was established with the goal of becoming a centre of excellence for IT research and education, as well as to mould young minds into competent IT professionals. Every year, the department prepares over 180 students with the extreme guidance of highly qualified faculties.

From the Principal's Desk

I congratulate the students for having a department newsletter. L.D. College of Engineering is already in the spotlight as many of the alumni are at the top position or are entrepreneurs and successfully running the business. To continue and to add to this legacy is the responsibility of the students currently studying in the college. The whole world has been uniform due to the ICT tools.

Since COVID, online and digital platforms have gained momentum. So IT students have a pivotal role to play in this new era. The technologies that the world is focusing on are primarily IT technologies such as Artificial Intelligence, Blockchain, Game Theory, Autonomous cars, and Drones. I foresee a bright future for you students, so be the driving force in learning and spreading the technology. At the same time, join hands to work on multidisciplinary projects.

You all have immense power to think, act and execute.

Use this power to excel. I wish you all the very best for the baby steps you take, while you are on campus. I am sure in the future we will witness your big jumps in whatever task you take up.

Dr. R. K. Gajjar
Principal,
L.D. College of Engineering

Our Vision

To shape the young minds of aspiring Information Technology engineers to become the front-runner in the sustainable technological growth of our country, conserving its rich cultural heritage and catering to its socio-economic needs.

Our Mission

Bringing an innovative approach to the teaching-learning process will produce competent Information Technology engineers.

Provide opportunities and necessary exposure to the young engineers to develop themselves into responsible professionals.

Infusing long-term brain power into aspiring minds in order to make them aware of their social responsibilities.

From the HOD's Desk

Dear students,

Firstandforemost,congratulations to the Express IT team. The first issue was widely accepted and applauded. If we analyze the algorithm that we run in our lives, we can see that it is quite iterative, with constant learning and application, and that the algorithm never converges. In the era of artificial intelligence, it's all about feed forward and back propagation. It is debatable whether an algorithm is set by a human or if a human learns from an algorithm. However, at this point, you feed forward your knowledge as well as your hard work and observe the results. If the output is not what you expected, back propagate your findings to set feed forward with more knowledge and hard work.

Knowledge and hard work are the keys to success, and humanity should always be remembered. Whatever you do, keep the betterment of society and the presentation environment in view. Apart from achieving the desired outcomes, success is all about how you build the hidden layers that lead to success. Keep an eye on the path you take to the goal since the nation wants you to be a good keeper (for saving the nation) besides good setter.

Dr. Hiteishi Diwanji
Head of Department, IT

Major Happenings

Student Orientation Program

A "Student Orientation Program" for newly admitted ME students was hosted on September 21, 2021, which was coordinated by Prof. Jahnavi Patel. All faculty members and ME students attended the orientation program.

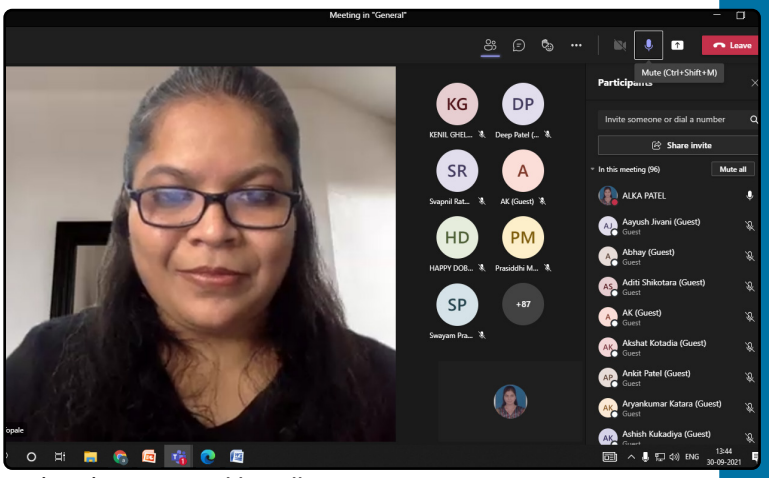
A "Student Orientation Program" for newly admitted BE and MCA students was organised on the online platform MS Teams, under the guidance of Prof. Vidisha Thakkar and Prof. Nirjari Desai, on September 28, 2021. All the faculty members, along with 153+ BE and MCA students, took part in the orientation program.

Student Orientation Program

Engineering Career Ladder

The "Engineering Career Ladder: Work Your Way Up" event was held on September 30, 2021, on the online platform MS Teams. Harshada Topale, Director of Cloud Counselage Pvt. Ltd., organised the event.

Cyber Awareness Campaign



Engineering Career Ladder Talk

An expert talk on "Cyber Awareness Campaign" was organised on October 12, 2021, under the direction of Dr. Purvi Ramanuj and Prof. Mital Panchal. The meeting was hosted on the online platform MS Teams. Mr. Viral Parmar, a serial entrepreneur and founder of the ComExpo Cyber Security Foundation, was the event's keynote speaker. He spoke about cyber awareness in all of its forms, cyber bullying and harassment, social media addiction, cyber fraud and online scams, cyber-criminal psychology, banking and financial fraud, safe internet surfing tips, cyber laws, reporting cyber-crime, and a variety of other topics.

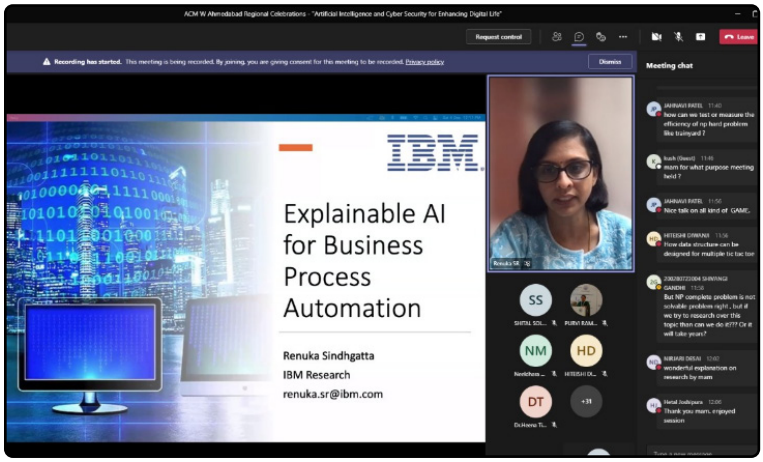
AWS introduction

A webinar on "AWS introduction" was organised on November 29, 2021, under the guidance of Prof. Bakul Panchal and Prof. Swati Patel, with the assistance of student coordinators Prashant Bhavsar and Chintan Chatterjee. The event was hosted by Vikas Upadhyay.

What is Cloud - Public, Private, and Hybrid? AWS Cloud Service Overview, Compute Services, Storage Services, Database Services, AI and Machine Learning Fundamentals, Analytics Fundamentals, AWS Free Tier, How to Get Help and Learn AWS Services & Certification, were some of the topics discussed at the event.

ACM-W Conference

The ACM-W Ahmedabad Regional celebration was held online on December 4, 2021. The CE-IT department of L.D. College of Engineering, the ACM Student Chapter, and ACM-W India collaborated with the ACM Ahmedabad Professional Chapter and Ganpat University to host



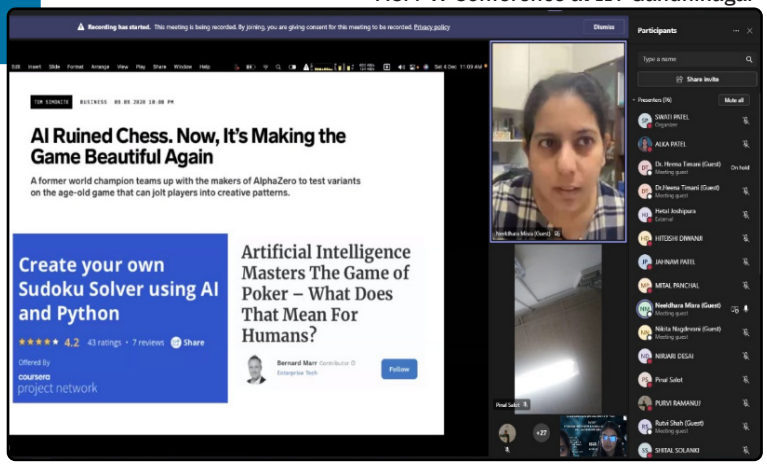
ACM-W Conference at IBM Corporation

the event. "Artificial Intelligence and Cyber Security for Enhancing Digital Life" was the theme of the conference. The conference's keynote speakers included:

Dr. Neeldhara Misra, an associate professor at IIT Gandhinagar, explained the gamification of games using artificial intelligence.

Dr. Renuka Sindhgatta, a senior technical staff member at IBM Corporation, explained how AI and extended AI can be used to automate business processes.

At this conference, we had a variety of research paper presentations on new age technologies. Intelligent spam email detection, gesture recognition for home automation, plant disease detection using machine learning and neural networks, and so on. The coding competition took place online, using the Code Chef platform. The participants were given three



ACM-W Conference at IIT Gandhinagar

Major Happenings

different problem statements, and finally, there was an innovative project presentation in which many projects were presented. At the end of the event, the winners of the ACM-W regional celebration were announced.

The judges for the paper presentation were Prof. Manisha Mehta, Head of the CE department at the Government Polytechnic Gandhinagar, and Prof. Khushali Raval, Assistant Professor in the IT department at the VGEC, Chandkheda. At the event, Krishna Brahmbhatt, a student from the LDCE IT department, took first place; Shruti Parekh, a student from Silver Oak University, took second place; and Zarana Ramani, a ME student from the LDCE IT department, took third place.

In the coding competition, Niyati Thakkar, a student from Bhuj, and

ACM-W Conference

Karika Patel, from the LDCE CE department, tied for first place; Khushi Patel, a student from the LDCE IT department, took second place; and Gneya Pandya, a student from the VGEC CE department, took third place.

Stats

200
Participants

6
Paper Presented

4
Winners (CodeChef Coding Competition)

5
Innovative Project

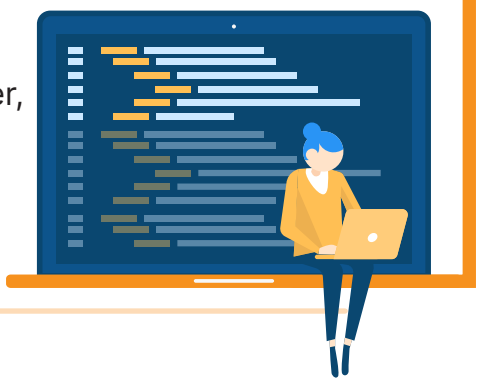
COMPETITIVE CODING

What do you mean, when you hear the word competitive coding?

What do you mean when you hear the word "competitive coding"? Consider the possibility of a coding competition. Competitive coding or programming is a mental sport that takes place on local or global platforms. In this sport, you are given a problem and expected to solve it using a programming language; thus, the name Competitive Programming. The problems are based on mathematics or a logical approach. You may be wondering why we should promote competitive coding. After you start competitive coding, your understanding of data structures and methods improves. It will improve your intellectual capacity for more complex challenges. You will begin to reconcile your previous codes in such a way that your codes become shorter, bug-free, and faster than before. Your program may not always function as you expect or desire.The other possibility is that you have no idea how to solve a specific problem. This type of situation will cause you to deviate from your programming. As a result, competitive coding develops a stiff nature for you. You will become more concentrated and faster than ever. It is a competition among all participants to enhance your potential to function under pressure with your enlightenment.

Now the question arises, where can we do competitive programming? The number of platforms organising such coding competitions has drastically increased these days. Codeforces, Codechef, HackerRank, and HackerEarth are a few examples. As an engineer, there is always the question of whether it will be useful for placements or recruitment. Yes, under the current situation, Kalash Gupta was ranked first in Google Kickstart. Kalash Gupta is the first reference for an interview and job at Google. It's really useful since if you have a strong flow and rating on these platforms, your preference will be increased if you go for an off-campus placement. Some large organisations undertake a coding round first, and as a result, you will have a great understanding of how to resolve these problems.

By
Preet Shah
(3rd Semester, BE IT)



Hall of Fame

STUDENTS

Mitacs Globalink Research Internships offers undergraduate students from all around the world the chance to learn about Canada as a global research and innovation destination. Ishika Tailor, a BE 7th Semester student, was selected for a Mitacs Globalink Research Internship at Athabasca University-Edmonton, Canada, from May to August 2021, under Prof. Maiga Chang's supervision. Prof. Ninan Shing Chen of Taiwan's National Yunlin University of Science co-supervised this research project.

NOTE

Mitacs Globalink Research Internship is a competitive initiative for international undergraduates, where top-ranked applicants participate in a 12-week research internship under the supervision of Canadian university faculty members in a variety of academic disciplines.

Google Summer of Code is a global initiative aimed at increasing the number of student programmers in open-source software development. Vishv Patel, a BE 7th Semester student, was chosen as a Google Summer of Code Student Developer. Vishv was one of 1291 students chosen as the student developer from all over the world.

The **ACM International Collegiate Programming Contest (ICPC)** was held on August 14, 2021, and a team of three 5th semester students named Smit Mistry, Smit Rami, and Vaibhav Parikh, known as the Sicilian Dragons, represented LDCE at the national level. The ICPC, also known as the Olympics of Programming, is a 5-hour world level coding competition. It is divided into multiple levels, starting with the Online preliminary round and progressing to the regional round, regional finals,

NOTE

The ACM ICPC is a multitier, team-based, programming competition operating under the Association for Computing Machinery (ACM). The contest involves a global network of universities hosting regional competitions that advance teams to the ACM-ICPC World Finals.

and world finals. The entire year they dedicatedly practised for this contest, and every weekend they held a 5-hour long practice contest in which they solved problems and learned many tricks and algorithms. Their ICPC journey began with a preliminary Online round of three hours in which they were given six problems and competed against 3500 other teams.

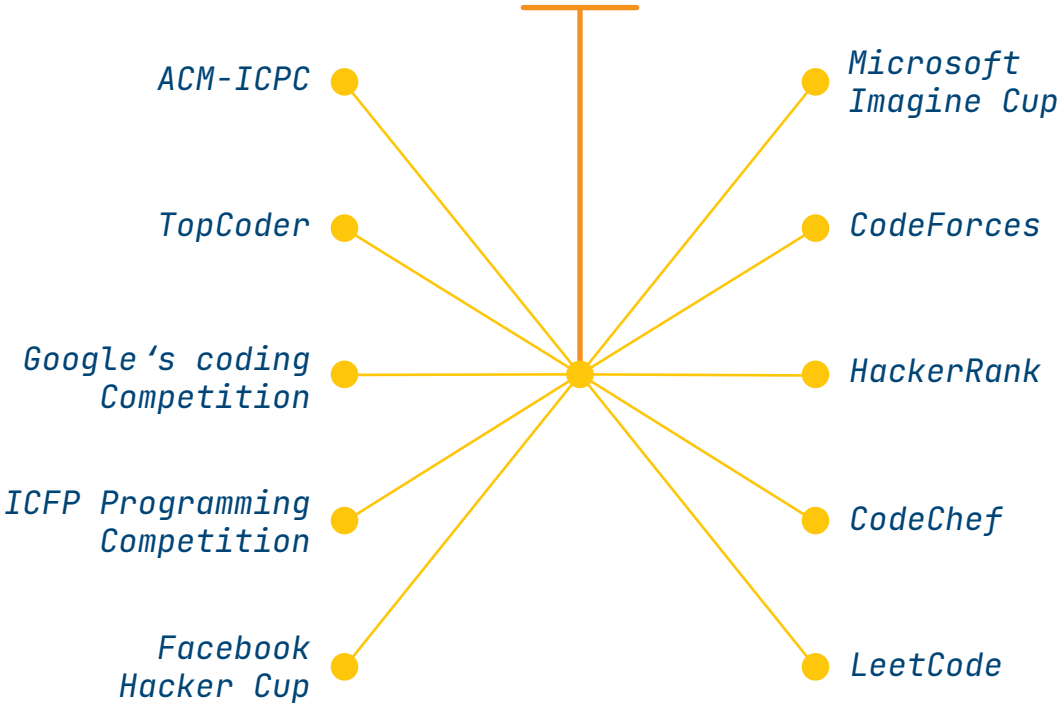
The **Facebook Hacker-Cup** 2021 contest season began on August 25, 2021, with a 72-hour qualification round. Qaisarali Khalid Sulaimani, a BE 5th Semester student, participated in the competition. He qualified in the qualification round, then competed in round 1, advanced to round 2, and finished round 2 with a rank of 2625th.

The Microsoft Learn Student Ambassadors programme is a global network of on-campus ambassadors eager to assist students and communities, lead in their local tech circles, and develop technical and career skills for the future. Janvi Thakkar, a BE 5th Semester student, got selected as a Microsoft Learn Student Ambassador.

NOTE

Facebook Hacker-Cup is an annual international programming competition hosted and administered by Facebook

Various Coding Competition List



Hall of Fame

FACULTY

Dr. Hiteishi Diwanji, our Head of Department, delivered a talk on "Ranking: A Perspective," which was organised by L.D.C.E. to commemorate the one-year anniversary of the inauguration of the "National Education Policy." The lecture was attended by 150+ faculty members from GEC Gandhinagar, GMCA Ahmedabad, Government Girls Polytechnic Ahmedabad, Government Pharmacy College, Gandhinagar, Govt. Polytechnic Ahmedabad, R.C. Technical Institute, Ahmedabad, and VGEC Chandkheda. The discussion included ranking parameters as well as case studies of various ranking formats.

Dr. Hiteishi Diwanji, our Head of Department, and Prof. Komal D. Anadkat, Assistant Professor at Government Engineering College Gandhinagar, published a research paper titled "Effect of Activation Function in Speech Emotion Recognition on the Ravdess Dataset" in the international journal "Reliability: Theory and Application," pp. 228-236.*

The All India ACM W Hackathon-2021 was judged on November 13, 2021, by Dr. Hiteishi Diwanji, our Head of Department. Manipal University Jaipur organised the event, and four teams were evaluated online during the hackathon's jury phase. Health, fitness, pollution, and blockchain were among the ideas presented.

Prof. Swati Patel delivered an online expert lecture on “Queries in MYSQL” at the Government Polytechnic Gandhinagar’s Computer Department on October 27, 2021.

*Links of Paper

1. https://doi.org/10.24412/1932-2321-2021-363-228-236
2. https://doi.org/10.47164/ijngc.v12i3.633

Prof. Pradip Patel, Assistant Professor at LDCE's Information Technology Department, and Dr. Narendra Patel, Professor at BVM Engineering College's Computer Engineering Department, published a research paper titled "Transformation Invariant Real-time Recognition of Indian Sign Language Using Feature Fusion" on August 1, 2021 in the International Journal of Next-Generation Computing, Volume 12, Issue 3, July 2021.*

Prof. Vidisha Thakkar participated, along with five others, to talk about the future of data science, data evaluation, and vital aspects of data. The topic at hand was a "Cookie-Free Future."

Paper Cutting

દિવ્ય ભાસ્કર

અમદાવાદ-સિટીભાસ્કર 23-10-2021

CONVERSATION
THIS WEEK TOPIC
DATA ANALYSTS

આજના સમયની સૌથી ચિંતાજનક સમસ્યા છે ડેટા પ્રાઇવસી. જો ડેટા સાથે ચેડા થયા હોય તો શું કરવું જોઈએ? કઈ રીતે ડેટાને સેફ રાખીને નફાકારક નિર્ણયો લઈ શકાય? ડેટા એનાલિસિસ વડે ડેટા એનાલિસ્ટ્સ કઈ રીતે પોતાનો દૃષ્ટિકોણ રજૂ કરતા હોય છે? સમગ્ર વાતચીતનો ટૂંકસાર અહીં વાંચો

ભવિષ્ય સંપૂર્ણ કૂકી-ફ્રી બનવા જઈ રહ્યું છે જે માટે એપલ અને ગૂગલ જેવી કંપની કામ કરી રહી છે

અમદાવાદની 'દિવ્ય ભાસ્કર' ઓફિસ પર ડેટા સાયન્સના વધતા જતા ક્ષેત્રમાં ડોકિયું કરવા માટે કેટલાક નિષ્ણાતોને **'અમદાવાદ પોસ્ટ'ના જુમાના શાહ** દ્વારા આમંત્રિત કરવામાં આવ્યા હતા. જેમાં તેમની કાર્ય રૂપરેખાઓ, ડેટા સાયન્સનું ભવિષ્ય, ડેટા ઉત્ક્રાંતિ અને કેટલાક નિર્ણાયક પાસાઓ વિશે ચર્ચા કરવામાં આવી

નિષ્ણાંતો

રોનક શાહ	વિદિશા ઠક્કર	શાલિની માથુર	તેજસ મોદી	સંદીપ શાહ	શ્રીજય શેઠ
Crest Data Systems	Asst Professor, L.D. College of Engineering	Fingerprint Analytics	Tatvic Analytics	Optimised Electrotech Pvt Ltd	LegalWiz.in

KEY NOTE

- ડેટા સાયન્સ ઓર્ગેનાઈઝેશનને વધુ નફાકારક નિર્ણયો લેવામાં મદદ કરી શકે છે
- અનઓર્ગેનાઈઝ ડેટા સમય સાથે વધુ રેન્ડમ બની ગયો છે
- સરકાર વ્યક્તિગત માહિતીના ડેટાને એક્સેસ કરી શકતી નથી
- ડેટાની ઉપલબ્ધતામાં વધારો થયો છે
- કંપનીઓ ભેગા કરેલા ડેટા મુજબ પોતાના ઉત્પાદનો બનાવી રહી છે

Q. ડેટા એનાલિસ્ટ્સ અથવા તો વૈજ્ઞાનિકોનું કાર્ય શું છે?

રોનકઃ ડેટા એનાલિસ્ટ્સ ડેટાનો અભ્યાસ કરીને એક્શનેબલ ઈનસાઈટ્સ મેળવે છે. દા.ત. અમે ડેટાનો મોટો ભાગ ફિલ્ટર કરી સાઈબર સુરક્ષા વધારવા તથા થ્રેટસ ઓળખવામાં મદદ કરી શકીએ છીએ.
તેજસઃ ડેટાની સફર કલેક્શનથી શરૂ થાય છે. અમે સંસ્થાઓને નફાકારક નિર્ણયો લેવામાં મદદ કરવા માટે ચોક્કસ માહિતી આપીએ છીએ.
શ્રીજયઃ અમે એવા સ્ટોરીટેલર છીએ જે ડેટાને યોગ્ય દૃષ્ટિથી જોઈ શકે છે અને તેના અભ્યાસ મુજબ અમારા દૃષ્ટિકોણને શેર કરીએ છીએ. અમારા સૂચનો અનુમાનને બદલે વિશ્લેષણ આધારિત હોય છે.
સંદીપઃ શા માટે તે જરૂરી છે તેના સંદર્ભમાં અમે આંકડા સમજીએ છીએ. એક જ વિશ્લેષણમાંથી ઉદ્દેશ બદલાતા સમાન ડેટામાંથી પણ વિવિધ પરિણામો મેળવી શકાય છે.
શાલિનીઃ આજે વિશ્વ ડેટા આધારિત નિર્ણયો લઈ રહ્યું છે અને સાચા વિશ્લેષણ દ્વારા, અમે તેમને ભવિષ્યની આગાહીમાં મદદ કરીએ છીએ.

Q. ડેટાનો વિકાસ કેવી રીતે થઇ રહ્યો છે? શું છેલ્લા 5 વર્ષમાં ડેટા વધુ સુલભ અથવા અપ્રાપ્ય બન્યો છે?

શ્રીજયઃ સમયની સાથે ડેટાની ઉપલબ્ધતા વધી છે, પરંતુ તેમાં વિવિધ પ્રકારના ફોર્મેટ સામેલ છે, જેમાં સ્ટ્રક્ચર્ડ ડેટા અને અનસ્ટ્રક્ચર્ડ ડેટા જેમ કે વિડીયો, ટ્વીટ્સ અને ફોટો હવે વધુ રેન્ડમ બની ગયા છે.
સંદીપઃ ડેટાનો સંગ્રહ પણ સરળ બની ગયો છે. જોકે મોટાભાગના લોકો તેમના ડેટાને ઓનલાઈન શેર કરવા માટે સંમત થવાથી થતા ગુણદોષથી વાકેફ હોય છે.
રોનકઃ જો મારી ઉપર સતત નજર રાખવામાં આવે તો મને અભિવ્યક્તિની સ્વતંત્રતા નહીં રહે. પ્રાપ્ત માહિતી અનુસાર કંપનીઓ હવે પોતાની પ્રોડક્ટ બનાવી રહી છે.
તેજસઃ દર 2 વર્ષે ડેટા ભમણો થઈ રહ્યો છે અને તેનો જથ્થો અને વેગ સતત વધી રહ્યો છે. ભારતમાં સ્માર્ટફોન યુઝર્સની રેકોર્ડ સંખ્યા છે અને અત્યાધુનિક સાધનોની મદદથી ડેટા વધુ માપી શકાય તેવા બની ગયા છે.
શાલિનીઃ રોકાણ ઉપરનું વળતર ડેટાની મદદથી માપવાનું સરળ બની ગયું છે. લોકો ઘણા દૂરના સ્થાન પર હોય તો પણ તેમના માટે ગ્રાહક સુધી પહોંચવું સરળ બન્યું છે.

Q. કૂકીઝ શું છે અને સિસ્ટમ પર તેને મંજૂરી આપવી કેટલી સલામત છે?

તેજસઃ કૂકીઝ એ નાની ફાઇલો છે જે વેબસાઈટ્સ તમારા ડિવાઈસ પર મોકલે છે. જેનો ઉપયોગ સાઈટ્સ દ્વારા પછી તમારા પર નજર રાખવા અને તમારા વિશેની અમુક માહિતી યાદ રાખવા માટે થાય છે. કૂકીઝ વિવિધ પ્રકારની હોય છે, જેમ કે ફર્સ્ટ, સેકન્ડ અને થર્ડ પાર્ટી, પરંતુ તમે તેને મંજૂરી આપ્યા વિના પણ વેબસાઈટની મુલાકાત લઈ શકો છો.
વિદિશાઃ ચોક્કસ મર્યાદા સુધી કૂકીઝને ડેટા એક્સેસ કરવાની મંજૂરી આપવી સલામત છે, પરંતુ તેમને વ્હોટ્સએપ ચેટ જેવા એન્ક્રિપ્ટેડ ડેટાને એન્ડ ટુ એન્ડ એક્સેસ કરવાની મંજૂરી આપવી એ સ્પષ્ટપણે વ્યક્તિની ગોપનીયતા પર આક્રમણ કરે છે.

Q. શું સરકાર ડેટાનું વિશ્લેષણ કરી રહી છે? જો હા, તો કેવી રીતે?

શ્રીજયઃ કાનૂની હુકમ વિના વ્યક્તિગત માહિતીના ડેટાને બાર્જ કરી શકાતા નથી. NATO ખાસ કરીને ડેટા માઇનસીનો ખૂબ જ આગ્રહ રાખે છે. અહીં ડેટાનો આભાર પણ માનવો રહ્યો કે, ડેટાને લીધે જ આધાર અને પાન કાર્ડ લિંક હોવાને કારણે ટેક્સ છેતરપિંડી કરવી અશક્ય બની રહે છે.

Q. ડેટા સાયન્ટિસ્ટ બનવા માટે શૈક્ષણિક લાયકાત શું રહે છે?

તેજસઃ અત્યાર સુધી અમે એન્જિનિયરોને જ ડેટા સાયન્ટિસ્ટ અથવા એનાલિસ્ટ્સ બનવાની તાલીમ આપી રહ્યા છીએ કારણ કે તેઓ પહેલાથી જ આંકડા, ગણિત અને IT ને સમજે છે. જેની આ ક્ષેત્ર માટે ખાસ જરૂરિયાત હોય છે. હાલના સમયમાં તો આપણા પાસે કોઈ એવો સંપૂર્ણ અભ્યાસક્રમ નથી જે તમને ડેટા સાયન્સની પૂરી તાલીમ આપે.

Q. અમદાવાદમાં કેટલી ડેટા એનાલિસ્ટ્સ કંપનીઓ છે?

શ્રીજયઃ અમદાવાદમાં આશરે 300 સંસ્થાઓ છે જે ડેટા એનાલિસિસ સર્વિસ આપે છે.

Q. ડેટા સાયન્સનું ભવિષ્ય શું છે?

સંદીપઃ આવનારા ભવિષ્યમાં કંપનીને ડેટા સાયન્સની ટેકનિકલ વિગતો જાણવાની જરૂર રહેશે નહીં, પરંતુ તેના લાભોનો ઉપયોગ કરી શકશે. સામાન્ય માણસ માટે એક્સેસ વધુ સરળ બનશે.
શ્રીજયઃ ભવિષ્યમાં કાયદાઓ હજુ વધુ કડક બનશે અને વ્યક્તિગતને બદલે સામાન્ય ડેટા પર વધુ ધ્યાન કેન્દ્રિત કરવામાં આવશે.
તેજસઃ ભવિષ્ય કૂકી-ફ્રી છે, ખાસ કરીને થર્ડ પાર્ટી કૂકીઝ માટે. એપલ અને ગૂગલ જેવી કંપનીઓએ તેના પર કામ શરૂ કરી દીધું છે. માર્કેટર્સે તેમના યુઝર્સને ટ્રેક કરવા માટે અલગ રસ્તો શોધવો પડશે.

> અમે ડેટાને યોગ્ય દૃષ્ટિથી જોઈ તેના અભ્યાસ પછી દૃષ્ટિકોણને શેર કરીએ છીએ માટે અમારાં સૂચનો અનુમાનને બદલે વિશ્લેષણ આધારિત હોય છે - શ્રીજય શેઠ

Q. સામાન્ય ડેટા હાઇજિન માટેની શું સલાહ છે?

શ્રીજયઃ જો તમે નથી ઇચ્છતા કે તમારો ડેટા ટ્રેક થાય, તો ફક્ત SSL સર્ટિફિકેશન ધરાવતી વેબસાઈટ્સને એક્સેસ કરો. જો તમને લાગે કે તમારા ડેટા સાથે ચેડા કરવામાં આવ્યા છે, તો તમારો ડેટા દૂર કરવા સંસ્થા/ડેટા અધિકારીને ઈ-મેઈલ કરો.
તેજસઃ નિયમિત સમયગાળામાં કૂકીઝને સાફ કરો અને એપ્લિકેશનની પરવાનગીઓ તપાસો કે તમે ક્યાંક રેન્ડમ એપ્લિકેશન્સને ડેટા એક્સેસની મંજૂરી તો આપતા નથી. વ્યક્તિગત માહિતી, ઈ-મેઈલ અથવા ફોન નંબર જાહેરમાં ક્યારેય શેર કરશો નહીં.
રોનકઃ રેન્ડમ જાહેરાતો અને લિંક્સ પર ક્લિક કરશો નહીં. ખાતરી કરો કે તેઓ વિશ્વસનીય પ્લેટફોર્મ પરથી જ આવી રહી છે.
વિદિશાઃ જે આર્થિક મદદ કરવાનું અથવા કામની ઉત્પાદકતા વધારવાનું વચન આપે તે હંમેશાં ક્રોસ-વેરિફાઈડ હોવું જોઈએ. હું 2 ડિવાઈઝનો ઉપયોગ કરું છું, એક ઈન્ટરનેટ સર્ફ કરવા માટે અને એક બેંકિંગ, બુકિંગ વગેરે માટે.
શાલિનીઃ હંમેશાં કન્સેન્ટ ફોર્મ વાંચો અને જે એક્સેસ આપી રહ્યા છો તેની નોંધ લો. લોકેશન, કેમેરા, માર્કેટોક્નેને એક્સેસ કરવા માટે 'Always' ને બદલે 'Only While Using the App' પસંદ કરો.

અમદાવાદ પોસ્ટ તમને કેવું લાગ્યું? આપને વિનંતી છે કે તમારાં અભિપ્રાયો કે સૂચનો amdavadpost@gmail.com પર શેર કરજો. તમારો ઓપિનિયન અમારા માટે મૂલ્યવાન છે.

Talk about "Cookie-Free Future"

Money - Most misunderstood Concept

By Jaimin Chavda, Assistant Professor, IT

Image from unsplash.com

We are mostly trained by the social ecosystem to earn, spend, and donate money, but we are never trained or taught, formally or informally, to understand and create money. As a result, we will all be trapped in a vicious circle of studies, employment, money, family, assets, and bargaining health and time. In between, there are certain beautiful moments of life-experiences that we go through, which reveal our real worth as humans.

What is money?

Stored energy, notes, coins, metals, stones, a piece of land, papers, insurance, and so many more items that have some value for the time being. There are various types of people around us; for some, it is a source of power; for another, it is an instrument of shopping/pleasure; for another, it is a daily bread-and-butter need; and for some, it is a tool to combat future fears and uncertainties of life (as like, most overthinking results in imagining that all the worst scenarios of life are going to happen to us, and we are the default chosen choice by God, forgetting the law of normal distribution, and we invite the worst cases of life to happen to us). As a result, while evaluating distinct groups, each group has different desires for collecting, holding, spending, saving, protecting, or investing-harvesting based on temporal necessities and wise or poor decisions.

Is Money Powerful Enough to Modify People's choices?

Yes, the system is strong, and the people in it are flexible. The smell of money can buy absolutely anything in the world and has the capacity to corrupt anybody who is involved in the system, either directly or indirectly.

> **If we do not strive for our dreams, someone else will hire us to fulfil their dreams.**

Is it worth it to invest ourselves to earn money?

Everyone works hard for it, in fear of losing it. Greedy people save money by not spending it on necessities, but they forfeit the potential cost. Sometimes it takes two or three generations to build an empire.

Who Controls it's Worth?

Government, Inflation, Market Dynamics, Country/Regions, and Utility Needs

Where do we fit into the system?

It simply relies on the impact of our decision on the economy. A daily wage person spends money on necessities, the middle class on utilities, the upper middle class on brands, and the upper class on displaying it as a statement.

What is Income, is it outcome also?

Physical forms of investment include assets, FDs, stocks, gold, real estate, land, rights, patents, insurance, and digital assets such as cryptocurrency.

Sustainable Investment:

- Time - Everyone has a limited amount of time
- Education/Skills - One has to invest for lifelong
- Respect - can be earned by actions
- Brand - name is enough.

What Is an Appropriate Amount of Money?

Ultimately, what matters is earn that much, what we can't count on remaining while spending.

There is no free lunch, everyone has to pay the price to get a value!!

What money can't buy?

Love, Trust, Friendship, Passion, Motivation, Happiness, Health, Peace, Success, Imagination, Wisdom, and Freedom!

TECHNO IT HUB

Techno IT Hub is a start-up and mentoring hub founded by Bhumi Sharma, a BE final year student from our department. The Techno IT Hub aims to bridge the gap between students and industry by providing assistance and encouragement to create opportunities, technical and non-technical solutions, and promoting our country's finest minds. It offers services and courses at a very minimal cost, start-up opportunities, and many other benefits with the goal of enhancing student-industry connectivity.

When Bhumi Sharma enrolled at LDCE, she observed that there were many students who were eagerly awaiting the opportunity to learn and enhance their knowledge through courses or internships, but they either had to pay a lot of money or they would not be able to get such internships or courses because of financial constraints. Considering this scenario, she founded Techno IT Hub, where she offered internships, training, and a variety of other services with the goal of providing high-quality education at an affordable price.

Techno IT Hub start-up got selected for incubation at GISC and financial assistance of Rs. 97013 was granted.

Bhumi Sharma
Co-Founder of Techno IT Hub

Dr. Hiteishi Diwanji, our esteemed Head of Department, inaugurated the Techno IT Hub on October 21, 2021. It was not just about the grant they received, but also about the mentorship and other benefits, such as technical assistance and advice at each stage. ***"Money can be earned by some means; all you need is the right mentorship"*** she says. She is grateful to GISC for both the investment and the correct supervision.

Bhumi Sharma's comrades were her

family members, who encouraged and inspired her from the start of her journey, and then faculty members, especially Prof. Vidisha Thakkar and Prof. Madhuri Patel, under whose guidance she was able to do this commendable job, and her team, who supported and motivated her ideas.

Participating in hackathons and code fests was the guiding principle or key to accomplishing this achievement. She gained a lot of confidence and help from these competitions. She also stated that it assisted in removing her fears, such as facing too many people in the audience, and that the competitions helped her in breaking out of her comfort zone and being more confident in her decisions. "Success in every competition is not important," she said, "but learning something from them should be the main goal."

She wants Techno IT Hub to be a global brand rather than just a state or national one. She wants to provide a social service of low-cost education to as many people as possible who wish to learn something new or contribute to society without relying on money.

Techno IT Hub Inauguration Ceremony

5	5+	8+
startup collabo-rations	Courses Offered	Sucessful Projects

Is Artificial Emotional Intelligence the next era?

By Mehul Parikh, Associate Professor, IT

Artificial Intelligence (AI) is a trendy word these days. Technocrat and Non-technocrat are talking about AI and ML. Till now, AI has successfully implemented the concepts of knowledge representation, learning, planning, reasoning, and problem solving. Another challenging aspect of AI is the replication or augmentation of emotions in machines, and this concept opens the door to Artificial Emotional Intelligence.

Introduction

Intelligence can be categorised into two categories: 1) Logical Intelligence and 2) Emotional Intelligence. Computer programming is an example of logical intelligence. For a long time, people have been behind on logical intelligence, and it is measured with IQ. Logical Intelligence is converted into Artificial Intelligence, and many applications are developed for smart work. The next era will be emotional intelligence, in which machines will be able to understand sophisticated human feelings such as desirability, liking, suspicion, and so on.

Emotional intelligence entails psychological actions directed at oneself or others, as well as the use of emotions to solve problems, make logical judgments, and generate new ideas based on human action and thought. It's a combination of social and personal intelligence.

As a result, a broad concept of

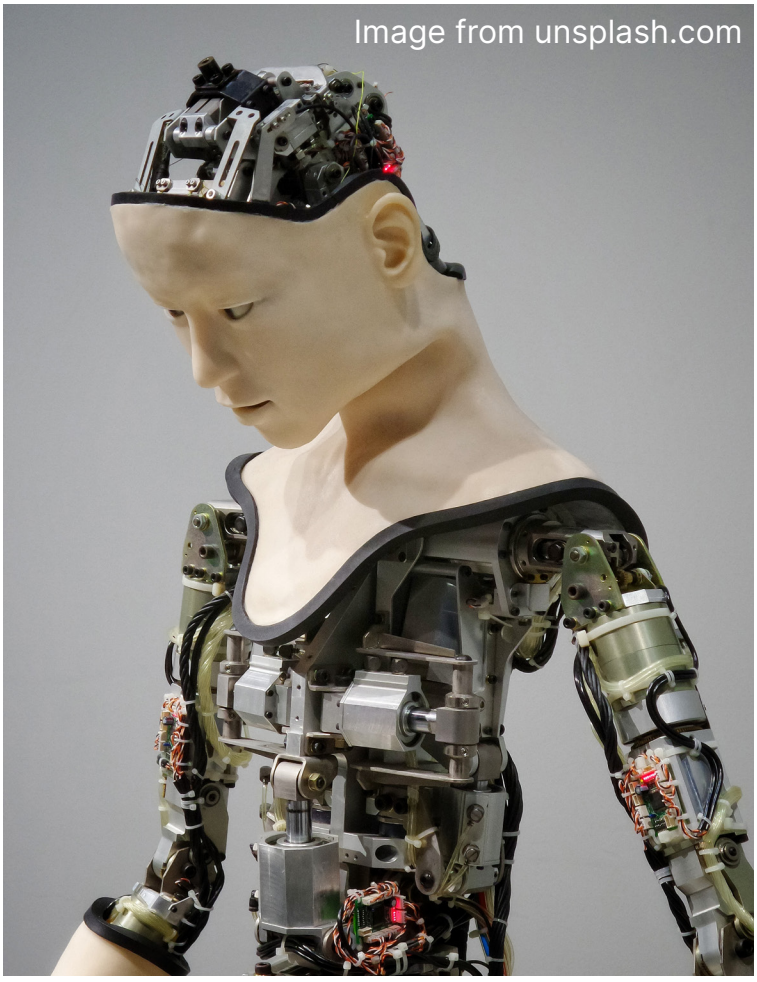
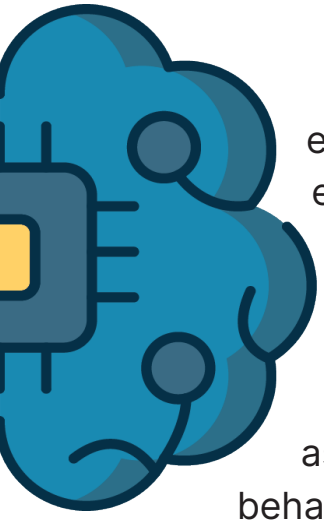


Image from unsplash.com



emotional intelligence emerges. Emotional intelligence is defined as the ability to identify, interpret, and understand emotions, as well as the ability to behave and make decisions effectively. The following are some examples of emotional intelligence definitions:

Emotional Intelligence, defined by Peter Salovi and John Mayer, is the ability to take care of the feelings of a person and others, to differentiate between different emotions and display them properly, and to use emotional information to guide your thinking and understanding.

Emotional intelligence is defined as the ability of an individual to recognize, comprehend, administer, and articulate emotions contained within themselves and in relationships with others.

Characteristic of Emotional Intelligence

Self-Awareness: the ability to recognise and understand one's own emotions, strengths, weaknesses, and goals in order to understand how they affect others.

Self-Regulation: the ability to control self-feelings and emotions, which will be useful to build respect, trust and the habit of change itself.

Motivation: the ability to achieve goals and get others to work for the achievement of those goals.

Empathy: the ability to consider other people's feelings, especially while making decisions.

Social skills: the ability to manage relationships in order to steer people in the desired direction.

Requirement of Artificial Emotional Intelligence

If emotions are combined with artificial intelligence, machines will be able to understand users' reactions. When your system is booting up and it takes a long time, Windows will show you different visuals to divert your impatience. Many intelligent algorithms, such as a bot for interacting with the system and people without showing emotion, are being developed. If we integrate emotions, the programme will be able to recognise the user's mood and adjust its behaviour accordingly.

Application Of EI

- Remote Health Monitoring
- E-learning
- Safer Travelling
- Gaming
- Productive Interview
- High productive digital advisements

Tech Talk

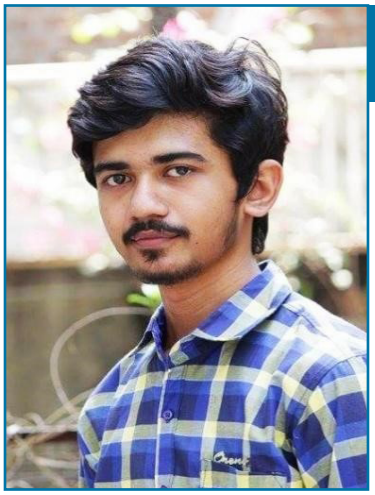
Advantages of EI

- Increased team performance and personal effectiveness.
- Decreased occupational stress and destructive behaviour.
- It improves decision making capabilities.
- Reduced staff turnover
- Increased personal well being
- Increased leadership ability
- Reduce bullying.

Disadvantage of EI

- Manipulates people-If EI becomes a skill, then people can make use of it by making them do what you want.
- Prevents people to use their Critical thinking capability
- Can be used for personal gain
- Privacy among people will get destructive.
- Takes more time to develop this skill
- Reduces manpower

Placement Experience



Akshat Shah
Software Engineer at TCS

Getting a job in a multinational company is a difficult task since you are competing with people from all over the world. You must be smarter than everyone else. It was a fantastic experience for me to be placed as a digital cadre at one of the world's largest IT companies, TCS. Throughout this journey, I was rejected by a number of companies, but as we can say, "We are being prepared for the right moment." For this to happen, I had to do a lot of brainstorming and competitive coding on various online platforms. I owe this achievement to my friends and teachers, who have constantly encouraged and mentored me along my path. Finally, I will advise that you should never be afraid of being rejected since it will make you a better version of yourself.

Placement Experience

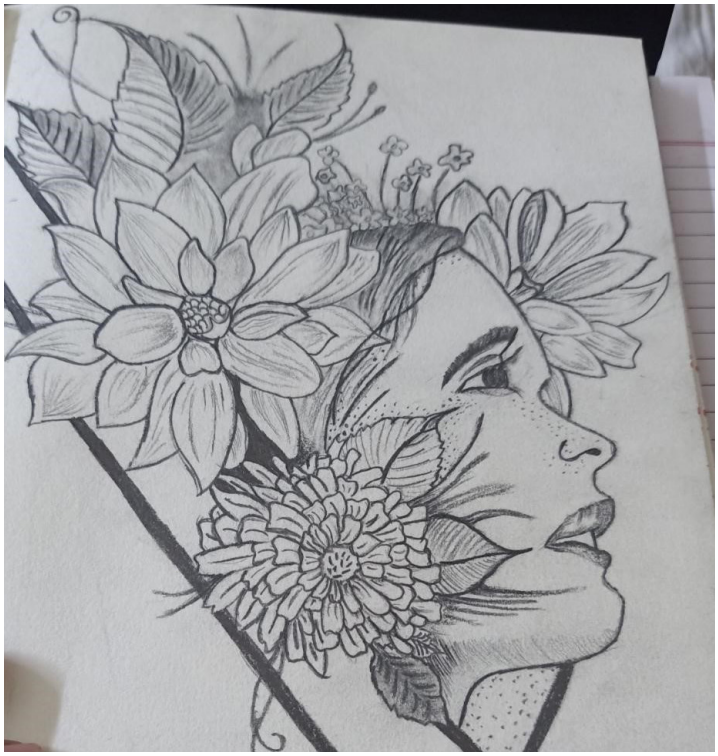
Astha Shah
Software Engineer at Maruti Techlabs

As the saying goes, "Difficult work is the key to progress." Taking this into consideration, I made a concerted effort to find a suitable line of work and, as a result, I began working as a software engineer at a great organization, Maruti Techlabs. To make this happen, I prepared for the cut-off rounds by focusing on aptitude problems and completed them. For the coding rounds, I used numerous YouTube channels and coding websites. With the time I had, I was able to practise enough problems to pass the coding rounds, and I was ready for it from the start, which proved beneficial. Also, during the COVID time, when a cloud of uncertainty loomed over us, our placement cell assisted and supported us with placements, for which I am extremely thankful.

Charmi Patel
Software Engineer at Maruti Techlabs

Keeping in mind that "hard effort is the key to success," I worked harder to get a good job, and as a result, I began working as a software engineer at a well-known company, Maruti Techlabs, in my hometown with a good package. I, like everyone else, have done the exact same thing to get where I am today. I took several competitive aptitude and coding exams. I used some popular websites to crack technical interviews, and I also watched HR interviews online to improve my communication skills. Of course, it was difficult to get work during the COVID outbreak, but I am grateful to our placement cell for their guidance.

Creative CORNER



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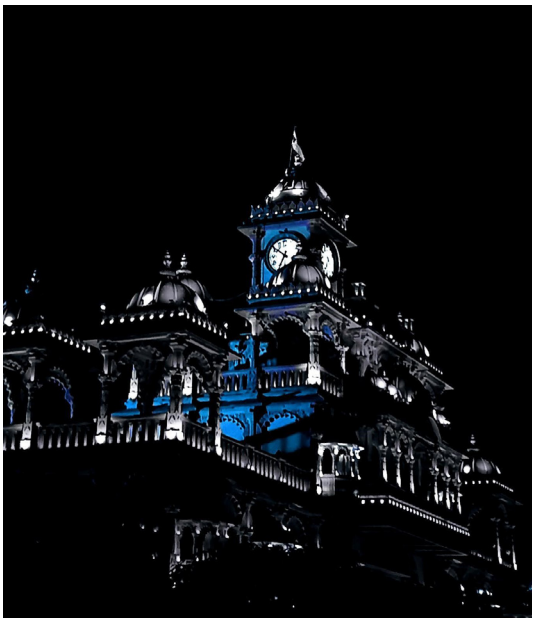

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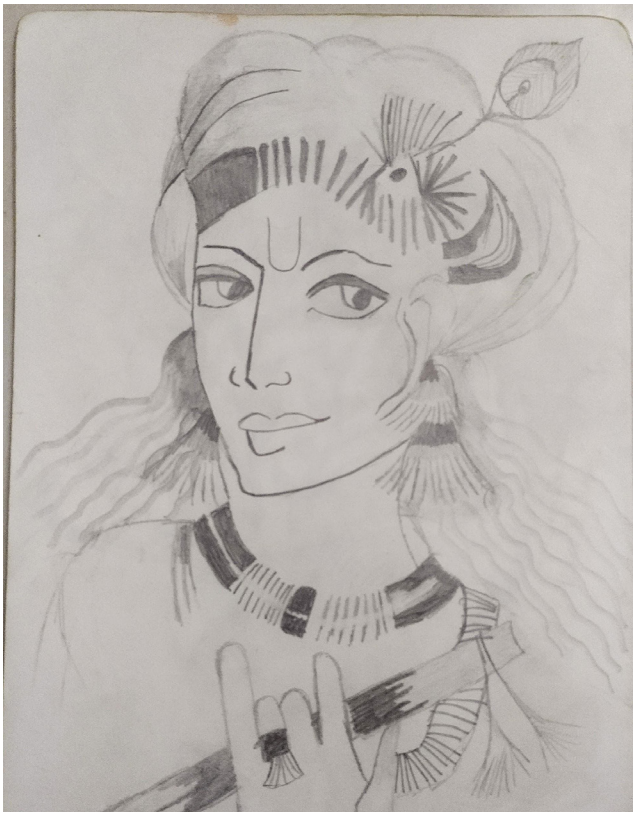

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