



**CHANDIGARH
ENGINEERING COLLEGE
CGC, LANDRAN, MOHALI**
Building Careers. *Transforming Lives.*

The Communiqué

(Capturing Moments, Preserving Memories)

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An Institution of Excellence

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Vision of the Chandigarh Engineering College- CGC, Landran, Mohali

To become a leading institute of the country for providing quality technical education in a research based environment for developing competent professionals and successful entrepreneurs.

Mission of the Chandigarh Engineering College- CGC, Landran, Mohali

1. To provide state of the art infrastructure and engage proficient faculty for enhancing the teaching learning process to deliver quality education.
2. To give a conducive environment for utilizing the research abilities to attain new learning for solving industrial problems and societal issues.
3. To collaborate with prominent industries for establishing advanced labs and using their expertise to give contemporary industry exposure to the students and faculty.
4. To cater opportunities for global exposure through association with foreign universities.
5. To extend choice based career options for students in campus placements, entrepreneurship and higher studies through career development program.





(Prof.)Dr. Rajdeep Singh
Director Principal
Chandigarh Engineering College-CGC, Landran, Mohali

Dear Students, Faculty, and Staff,

I am delighted to communicate with you all via the pages of our college's quarterly magazine. As we unite to celebrate the accomplishments and advancements of recent months, I am overwhelmed with pride and gratitude for the exceptional contributions of every member of our campus community. Our college transcends the conventional role of an educational institution; it serves as a fertile ground for the cultivation of aspirations, the refinement of skills, and the shaping of destinies. These pages celebrate the fundamental nature of exploration, creativity, and dedication that defines our institution.

Furthermore, I wish to express my admiration for our outstanding faculty members for their relentless dedication to the dissemination of knowledge and insight. Their dedication to scholarly achievement and fervour for pedagogy has played a crucial role in moulding the intellects of our students. To our students, I express my profound respect for their insatiable curiosity and unwavering dedication to achieving their goals. Their accomplishments in academia, arts, athletics, and numerous other domains serve as a profound reflection of their diligence and resolve. At last, I wish to convey my sincere appreciation to the editorial team and all those who contributed to the development of this magazine for their meticulous efforts and steadfast dedication. This publication exemplifies our creativity, vision, and commitment to upholding exceptional standards. My good wishes to all.



Dr. Harpal Singh
Professor & Head, Applied Sciences Department

Greetings Everyone!!!

Dear Colleagues and Students,

CEC-CGC is a high-quality organization. Since its establishment, the organization has consistently provided support to the nation's youth with determination, reliability, and positive reinforcement. The Institute is dedicated to promoting a strong commitment to academic inquiry and creative expression among the students. Words are insufficient to fully represent the grandeur of this institution, which is in a state of continuous growth. Participating in a team dedicated to optimizing the potential of both students and staff is consistently rewarding. The results, research endeavours, placements etc. demonstrate that Chandigarh Engineering College-CGC has consistently maintained a competitive edge in the field. The college magazine serves as a documentation of the journey, highlighting the various activities organized by the different departments within the institution. I commend the editorial team for their diligent efforts in producing this magazine.



From the Editor's Desk....

Dear Readers,

Greetings and welcome to the 34th edition of *Communiqué*, a quarterly publication of CEC-CGC. I am pleased to present this latest edition of our college magazine.

This edition illuminates the fierce blend of cherished traditions and bold innovations that define our academic and cultural odyssey. With a fire that never fades, our writers lay bare their souls, capturing the unique spirit that makes this college shine like a guiding star, crafting articles that echo in the hearts of many. We elevate the remarkable talents of our students, united in the unwavering dedication of our faculty and staff, who pave the path to the future with their relentless passion.

With hearts entwined, the whole editorial team gazes in wonder at the limitless imagination, the cherished moments, and the steadfast commitment offered by all who have walked this path together in crafting this edition. Your voice and vision have soared, elevating this publication to breathtaking new realms.

Enjoy the read!

Dr. Inderjot Kaur
Editor-in-Chief

RANKING & AWARDS 2024

- 1 Chandigarh Engineering College-CGC Landran, Punjab, has been selected for certification under the prestigious "Institution of Happiness (IOH)" project 2024** conducted by QS I-GAUGE.
- 2 NAAC A+ Grade obtained in March 2024**
 - CEC-CGC Landran has achieved NAAC A+ Grade by NAAC
- 3 Dataquest Tech School survey, 2024**
 - 1st In Punjab in Top 100 T-Schools (Overall) – Government and Private
 - 1st in Punjab in Top T-Schools (Private)
 - 5th rank in North India (Zone Wise)
 - 12th rank in Top 100 T-Schools (Private)
 - 17th rank in Top 100 T-Schools (Overall) – Government and Private
- 4 India Today Ranking 2024**
 - 7th In Top 10 Colleges with Best Value for Money (Private All Over India)
 - 1st Rank in Private College in Punjab (Self-Financed)
 - 57th Rank across country Private Colleges
 - 85th Rank across country Private and Govt Colleges
- 4 DQ-CMR T-School Employability Index Survey 2024**
 - 13th Top 100 T-Schools (Factual Ranking) Employability Index
 - 7th Top Private T-Schools (Factual Ranking)
 - 7th in North Zone- Top 10 Zone Wise Institutes
 - 90th in Top 100 T-Schools (Perceptual Ranking) Employability Index
 - 16th in Regional Top 50 Ranking (North - Perceptual Ranking)
- 5 Outlook 2024**
 - 138th among top 160 private institutes in India
- 6 THE WEEK-Hansa Research Survey 2024**
 - 64th Rank in Govt and Private All Over India
 - 38th Rank in Private Colleges In all over India
 - 8th in North Zone Govt and Private Colleges in all over India
- 7 Times of India Engineering Survey 2024**
 - 141st in Top 175 Engineering Institute Rankings 2024
- 8 NIRF 2024 (Engineering Category)**
 - CEC-CGC Positioned in the band of 101-150 in the Engineering Category
- 9 NIRF 2024 (Overall Category)**
 - CEC-CGC Positioned in the band of 151-200 in the Engineering Category

CEC-CGC, Landran selected for certification under "Institution of Happiness (IOH)" Project

Chandigarh Engineering College-CGC Landran, Punjab, has been selected for certification under the prestigious "Institution of Happiness (IOH)" project 2024 conducted by QS I-GAUGE. This recognition highlights the college's commitment to fostering a positive and supportive environment for its students and staff. The IOH certification evaluates institutions based on various parameters that contribute to overall happiness and well-being, including academic excellence, campus infrastructure, student support services, and community engagement. By achieving this certification, CEC-CGC Landran has demonstrated its dedication to creating a holistic and enriching educational experience that goes beyond academic achievements, focusing on the overall well-being and happiness of its stakeholders. This accolade further solidifies the college's reputation as a leading educational institution that prioritizes the happiness and satisfaction of its students and staff.



Dr. Rajdeep Singh receiving IOH Certificate

AICTE Training and Learning Academy (ATAL) -sponsored Faculty Development Program on “LabVIEW for IoT Applications in Healthcare”



ATAL -FDP on “LabVIEW for IoT Applications in Healthcare”

The Department of Electronics and Communication Engineering (ECE) at Chandigarh Engineering College (CGC), Landran, Mohali, organized a one-week (6-day) AICTE Training and Learning (ATAL) Academy-sponsored Faculty Development Program (FDP) on “LabVIEW for IoT Applications in Healthcare” from November 4th to 9th, 2024, in physical mode. The FDP was attended by 35 participants from institutions such as D.A.V College Ambala, UIET Kurukshetra, CGC Landran, BBSBEC Fatehgarh Sahib, Lovely Professional University Jalandhar, Chandigarh College of Engineering Mohali, and Chandigarh University. The program commenced on November 4th, 2024, at 9:00 AM in the Seminar Hall of Block 1 at CGC Landran, with an inaugural lecture by the Chief Guest, Dr. G. Kulanthaivel, Professor of Electronics and Communication Engineering and Dean (International Affairs) at NITTTR, Chennai. Eminent speakers, included Dr. Parikshit Sahatiya from BITS Pilani Hyderabad, Mr. Nitesh Pradhan (Assistant Manager at VVDN Technologies), Mr. Ajay Kumar Godara (Founder and Director of Enovate Skill), Mr. Yashwant Rana (Field Application Engineer at VVDN Technologies), Dr. Sunil Singla from TIET Patiala, and Mr. Vasantha Kumar V (Project Lead at Mew Technology, Bangalore). They conducted various technical sessions throughout the FDP. To enhance participant’s understanding of real-world IoT applications in healthcare, an industrial visit was organized on the 5th day at the Centre for Development of Advanced Computing (CDAC) Mohali, an R&D organization under the Ministry of Electronics and Information Technology (MeitY). The FDP concluded with a Valedictory Session addressed by the Chief Guest, Mr. Deepak Wasan, Executive Director of NIELIT Chandigarh/Ropar, and the Guest of Honour, Dr. Sarwan Singh, Joint Director at NIELIT Chandigarh/Ropar.



Inaugural Ceremony of ATAL –FDP



Welcome of Chief Guest Dr. G. Kulanthaivel, NITTTR, Chennai by Campus Director, Dr. P.N. Hrisheeksha



Group photograph of participants (ATAL –FDP)

Peer Mentoring Session on "Exploring Technical Sales in Engineering"

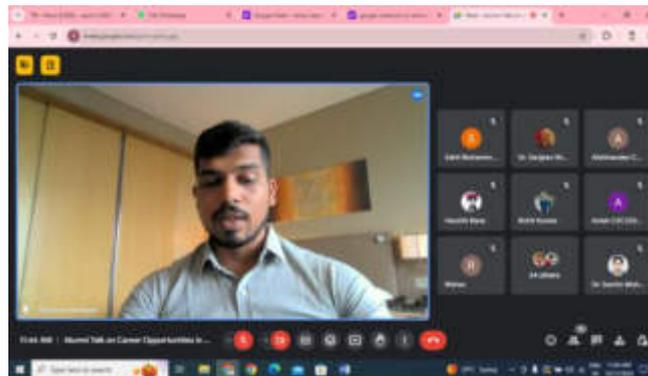
On October 5, 2024, the Department of Mechanical Engineering, hosted a peer mentoring session titled "Exploring Technical Sales in Engineering." The event featured Ms. Kanishka Birla, an alumna from the 2019-2023 batch and a Technical Sales Engineer at SMS Group India, Gurugram. The session bridged academic learning with industry applications, focusing on the skills required for success in technical sales. Ms. Birla shared her experiences, emphasizing the importance of combining technical knowledge with effective communication and problem-solving skills. She also highlighted the role of co-curricular activities in enhancing employability and career growth.



Ms. Kanishka Birla interacting with the students during the session

Alumni Talk on "Career Opportunities in the Oil and Gas Industry"

The Department of Mechanical Engineering organized an alumni talk titled "Career Opportunities in the Oil and Gas Industry" on October 11, 2024. The session was conducted by Mr. Shubham Mahajan, an alumnus from the 2014-2018 batch and Deputy Manager at British Petroleum. The session aimed to connect academic learning with industry practices. Mr. Mahajan shared his journey from college to a managerial role, offering insights into career opportunities in the oil and gas sector. He highlighted essential skills like adaptability, communication, and problem-solving, along with the technical and environmental challenges unique to the industry. The session provided students with an understanding of various career paths, industry expectations, and the importance of professional networking.



Mr. Shubham Mahajan interacting with the students during the session

Expert Talk on "Career Avenues in Merchant Navy"

The Mechnorobs Club of the Department of Mechanical Engineering organized an expert talk titled "Career Avenues in Merchant Navy" on October 17, 2024. Mr. Parkash from CMC Maritime Academy, Chennai, as the speaker, conducted the session. The talk aimed to enlighten students about the diverse career opportunities in the Merchant Navy, providing insights into the necessary skills, qualifications, and industry demands. The session covered various technical aspects, including the operational and engineering competencies required in maritime roles, such as navigation, ship machinery handling, cargo management, and emergency protocols. Mr. Parkash also discussed the training processes, certifications, and career progression in the Merchant Navy, emphasizing discipline and adaptability as crucial traits for success in this global profession. The session concluded with an interactive discussion, leaving the participants inspired and informed about this challenging yet rewarding field.



Mr. Parkash interacting with the students

ECE Department organized Technovate

The Department of Electronics and Communication Engineering at Chandigarh Engineering College organized “Technovate” event on 16th October, 2025 under Electronic Project Club (EPC), featuring exciting and engaging competitions such as Hack-X-Plosion, Giga-Debate, Quiz-Quest, and Fire of Battles. A total of 77 students participated and competed equally across all four categories. The primary objective of hosting these intellectual events and sessions were to foster innovation, teamwork, academic excellence, and strategic thinking, inspiring students to grow both academically and personally by challenging them to step beyond their comfort zones.



Inaugural Ceremony of Technovate event under EPC



Giga Debate Competition(Technovate)

Faculty participation in “Engineering Next 2024: Reimagining the world with AI”, Infosys DC -Chandigarh

The Engineering Next 2024: Reimagining the World with AI event, held offline at Infosys DC Chandigarh on 10th October 2024, brought together industry leaders, innovators, and academic experts from the IT Department, Chandigarh Engineering College-CGC, Landran to explore AI's transformative impact across sectors. Keynote speakers, including Mr. Neeraj Thaman, Mr. Mandeep Walia, Dr. Sumit Goyal, and Mr. Amit Sadana, shared insights into AI's role in engineering, business innovation, and academia. A panel discussion featuring representatives from leading institutions and Infosys focused on AI-driven curriculum advancements and fostering academia-industry collaboration. The event showcased cutting-edge AI solutions, established opportunities for research partnerships, and inspired participants to develop innovative applications of AI in solving real-world challenges.



Faculty members with Infosys experts

Industrial Visit to Raju Bros Softech Pvt. Ltd., Gurugram, Haryana

The industrial visit to Raju Bros Softech Pvt. Ltd., Gurugram, Haryana, organized by the Department of Information Technology, Chandigarh Engineering College-CGC, Landran, on 3rd and 4th October 2024, provided students with valuable industry exposure. Hosted by company founders and alumni Ishant Raju and Nishant Raju, the visit showcased cutting-edge testing technologies, including LED Intensity Testing, LED Analyzers, and FCT Custom Hardware. Students gained insights into advanced electronic component testing for vehicles and the integration of AI and IoT in automation. This hands-on experience deepened their practical knowledge, offered an understanding of industry challenges, and enhanced their readiness for careers in technology-driven domains.



Students interacting with the experts

CSE Department organized ZEST-O-FIESTA 2K24

The CSE Department organized a technical and non-technical event, “ZEST-O-FIESTA 2K24,” on October 1, 2024. Zest-O-Fiesta provided students with a vibrant platform to sharpen and showcase their technical aptitude, collaborative abilities, and creative thinking. By categorizing the event into two distinct sections—technical and non-technical—it offered a wide range of opportunities for participants to demonstrate their skills. The event fostered team synergy, encouraged students to step out of their comfort zones, and promoted healthy competition, inspiring innovative ideas. It was an enriching experience that empowered students to channel their potential in a dynamic and supportive environment. The technical events included Project Display, Ideathon, Bug-Debug, Code Relay, Trivia (Quiz), Graphic Designing, and Crack the Code. The non-technical events comprised Painting Competition, Photo Hunt, Reel Ki Feel, Chess, Nail Art, Stumble Guys, and BGMI. The event aimed to recognize and value the active participation of all individuals involved. It provided exposure by sharing ongoing efforts and rewarding impactful contributions on various social platforms.



Poster of the Event



Students presenting their ideas



Group Photograph of faculty and student coordinators



Group Photograph of the winners

Inauguration of Centre of Excellence – AIoT

On December 16, 2024 the Institution Innovation Council (IIC) of Chandigarh Engineering College, CGC Landran, inaugurated the Centre of Excellence – AIoT during a Faculty Development Program on "AI and Its Practical Scope." The event was led by Mr. Navdeep Singh Gill, CEO and Founder of Xenon Stack. The CoE-AIoT is a cutting-edge facility dedicated to research and innovation in the integration of Artificial Intelligence (AI) and the Internet of Things (IoT). Mr. Navdeep highlighted the importance of AIoT in driving intelligent automation and solving real-world challenges. He emphasized how the lab would provide hands-on experience to students and faculty, bridging the gap between academia and industry. This initiative by IIC-CGC Landran marks a significant step in equipping students with the necessary skills for the evolving tech industry, fostering innovation, collaboration, and future-ready talent development in AIoT.



Mr. Navdeep alongwith IT Department dignitaries inaugurating AIoT lab

FDP on “Artificial Intelligence And Its Practical Scope”

The Faculty Development Program (FDP) on Artificial Intelligence and its Practical Scope, organized by CoE-AIoT, Department of Information Technology, Chandigarh Engineering College-CGC, Landran in collaboration with XENONSTACK, was held offline from December 16-20, 2024 with 42 faculty members attending the theoretical and practical sessions. The program provided educators with theoretical and practical knowledge of AI, covering emerging technologies, ethical AI practices, Generative AI, and Machine Learning. Industry experts from XENONSTACK led the sessions, including Mr. Navdeep Singh Gill, CEO, who introduced fundamental AI concepts, Generative AI, AGI, and Agentic AI; Mr. Suryakant, Solution Architect, who covered Machine Learning paradigms, Neural Networks, and Computer Vision; Mr. Akash, Solution Architect, who discussed Generative AI for NLP applications; and Dr. Amit Kumar, Senior AI Researcher, who provided insights into AI ethics and responsible AI development. The program enhanced participants' understanding of AI, facilitated hands-on experience with AI tools, and emphasized the integration of AI into academic curricula while ensuring ethical implementation.



FDP Participants with Mr. Navdeep Singh Gill, CEO, XENONSTACK and Director Principal, CEC-CGC

Infosys Springboard Digital Literacy Platform Awareness Session

On 5th November 2024, the Department of Information Technology at Chandigarh Engineering College-CGC, Landran organized a hybrid awareness session on the Infosys Springboard Digital Literacy Platform. Hosted by Ms. Neha Antil and Ms. Dimple Bhasin, Senior Analysts at Infosys Limited, the session provided an in-depth overview of the platform's key features, learning modules, certifications, and skill-building opportunities. Coordinated by Ms. Megha Sharma, the session engaged 372 participants from IT-CEC, CSE-CEC, ECE-CEC, and CSE-COE, guiding them on how to effectively navigate and utilize the platform for academic and career growth. Through interactive discussions and live demonstrations, students gained insights into leveraging the platform to enhance their digital literacy, develop professional skills, and access certification opportunities. The session successfully empowered students to engage with Infosys Springboard regularly, helping them build essential digital competencies and prepare for future career prospects.



Interactive session of students and faculty with the expert

Motivational talk on “Start Small, Dream Big: Lessons In Scaling From Founders”

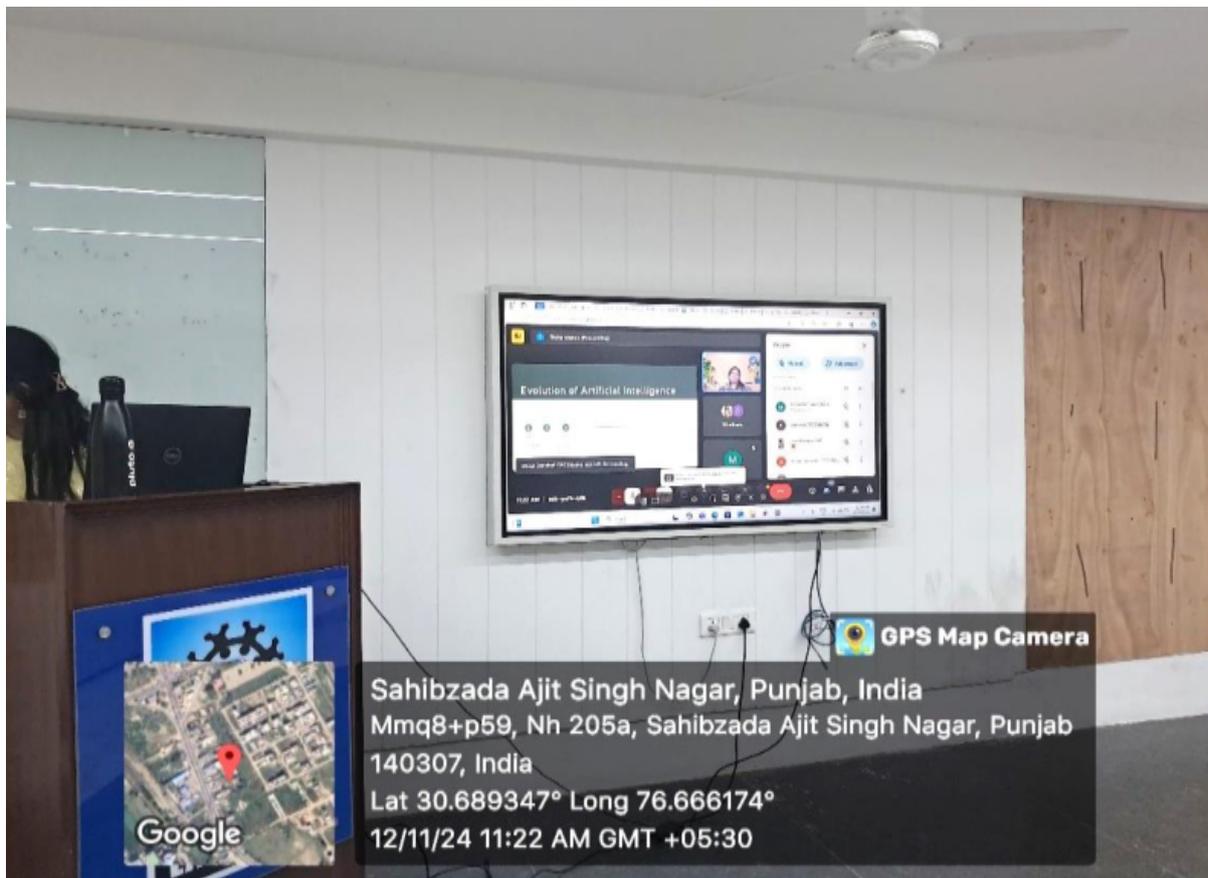
On 4th October 2024, the Institution Innovation Council of Chandigarh Engineering College-CGC, Landran, organized an offline motivational talk titled “Start Small, Dream Big: Lessons In Scaling From Founders” for the 2023-2027 batch of the Information Technology Department. Led by Dr. Amanpreet Kaur (IIC President and HOD-IT), the session featured prominent startup founders—Mr. Anish (Makes360 Pvt. Ltd.), Mr. Khushvender Singh (SenpaiHost LLP), and Mr. Avinash (Webtechfly)—who shared their entrepreneurial journeys, challenges, and strategies for scaling businesses. Topics covered included startup funding, market research, intellectual property, and emerging technologies like drone advancements. The event aimed to instill a growth mindset, encourage innovation, and provide networking opportunities for students. With 137 students and four faculty members in attendance, the session successfully sparked interest in entrepreneurship, emerging technologies, and potential startup formation, equipping students with valuable insights and motivation to pursue their own ventures.



Interactive session of students and faculty with the expert

Expert Talk: Artificial Intelligence - From Evolution to Revolution in IT and Beyond

On 12th October 2024, an online Expert Talk on "Artificial Intelligence: From Evolution to Revolution in IT and Beyond" was organized, featuring Mr. Mohinder Kumar (Director) and Ms. Richa Mishra (Associate Project Manager) from Cloud Techner. The session, attended by 50 participants, focused on AI's evolution, industry impact, and societal applications, bridging academic knowledge with real-world industry insights. Discussions highlighted AI's role in IT, healthcare, finance, and education, along with opportunities in emerging technology sectors. Interactive sessions and an AI solution showcase provided a platform for networking and professional engagement. The event successfully enhanced participants' understanding of AI's transformative potential, industry applications, and career prospects, fostering collaboration between students, faculty, and industry professionals.



Interactive session of students and faculty with the expert

CSE Department organized Alumni Talk on “Essential Technological Skills for Students”

The Department of Computer Science and Engineering organized an Alumni Talk titled "Essential Technological Skills for Students" on October 11, 2024, for B.Tech 3rd semester students. The session, delivered by Mohammad Amaan, Associate R&D Engineer at NOKIA, lasted for two hours. During the session, Mohammad Amaan shared his expertise on several key topics like Placement Preparation: Effective strategies and tips to secure jobs and internships, Data Structures & Algorithms (DSA), The importance of mastering DSA for coding and problem-solving, and Project Development: Guidance on building impactful projects that stand out to employers. The talk aimed to equip students with critical technological skills, emphasizing placement preparation, mastering DSA, effective project development, resolving technical doubts, improving time management, and understanding the role of competitive programming. These insights were designed to better prepare students for successful careers in the tech industry.



Alumni talk on Essential Technological Skills for Students



Appreciation to Alumni

Applied Sciences Department conducted Pre-Parivartan activity in Village Kailon

Applied Sciences Department organized a Pre-Parivartan activity titled “Cultural Diversity and Inclusion” in village Kailon on 7th October 2024. This Pre-Parivartan activity was a part of the annual cultural and techno fest of CGC Landran. The department conducted several activities in this village and distributed gifts to the participating villagers. The community members enjoyed Nukkad- Natak and dance performance of our students.



Students at Village Kailon



Performance by students



Group photo of students



Dance performance at village Kailon

Applied Sciences Department & IIC organized an Expert Talk

The Department of Applied Sciences and Institution's Innovation Council (IIC) organized an expert talk on "Quantum Computing in Engineering: A Revolutionary Impact" on 16th October 2024 to introduce students and faculty to the transformative potential of quantum technology in the engineering field. The session covered fundamental principles of quantum mechanics. The speaker explained how quantum algorithms like Shor's and Grover's could revolutionize cryptography, optimization, and artificial intelligence. Additionally, real-world applications in material science, data analysis, and complex problem-solving were discussed, emphasizing the future role of quantum computing in overcoming current engineering challenges.



Expert lecture on Quantum Computing and its Principle

Workshop on Basics of IPR and its importance for Innovations and Early Stage Entrepreneurs

The department of Applied Sciences organized workshop on Basics of IPR and its importance for Innovations and Early Stage Entrepreneurs which was conducted by Dr. Dinesh Arora IPR Head, Centre for Boudhik Sampada, RISE Department on 13th November, 2024. The main objective of the workshop was to make students aware about the importance of intellectual property rights (IPRs) and to explain the procedure for filing a patent. The learned speaker dwelled about the various laws associated with IP & Industrial management.



Dr. Dinesh Arora IPR Head delivering the lecture



Students attending the IPR workshop

Industrial Visit to Solitaire Infosys Pvt. Ltd

Applied Sciences Department organized an industrial visit to Solitaire Infosys Pvt. Ltd. on 11th November, 2024 for B.Tech IT 1st semester students. The main objective of this visit was to bridge the gap between theoretical knowledge and practical application in the field of Information Technology. This visit aimed to provide students with exposure to industry practices, real-time software development processes, and an understanding of IT infrastructure and workflow in a corporate environment.



Group photo of IT students outside Solitaire Infosys Pvt. Ltd.



Students during the industrial visit

Applied Sciences Department organized Industrial visit

An Industrial Visit was organized by the Department of Applied Sciences to Solitaire Infosys Pvt. Ltd. on 12th November, 2024 for B.Tech CSE 1st semester students. This visit was planned to enhance the technical skills of the students and to make them familiar with the real time software development processes. The visit gave students a chance to see how industry works and also to understand about IT systems.



Group photo of CSE students outside Solitaire Infosys Pvt. Ltd.



Students attending the session during their visit

Visit To CII Chandigarh Fair for awareness program on Financial Markets

The Stock Exchange Board of India took an initiative to bring all stock exchanges and MIIs together at one platform which can be made accessible to general public or potential investors in the market. They had set up a space at CII Chandigarh Fair, where our students visited to take part in an awareness program being conducted by them regarding Financial Market on 26th October, 2025. The session was conducted by Mr. Chandra Nath Pandey, Sr. Manager (BD) Multi Commodity Exchange of India Ltd. The Students of MBA, experienced a variety of different approaches to Financial or investment markets. The major takeaway was the regulatory framework of SEBI which includes the working of various stock exchanges and commodity exchanges. After the session, they were able to recall, how our investments are managed by the two depositories NSDL & CDSL.



Students at CII Chandigarh Fair



Students attending session at CII Chandigarh Fair

MBA Department inked MOU with Poshprofs Trainers

On October 4th, 2025, the MOU Signing Ceremony was organized to formalize the strategic partnership between MBA Department and Poshprofs Trainers. This collaboration aims to address the training needs of the students in the field of Microsoft Excel, Financial Analysis, Technical Analysis and Digital Marketing. The collaboration will help the students in getting the directional insights on the future career opportunities from the industry specific people especially in BFSI Sector.

The ceremony was graced by key representatives from both organizations:

- Mr. Kanwaljit Singh, Founder & CEO Poshprofs Trainers
- Dr. Ramandeep Saini, Director Principal, Chandigarh Business School of Administration
- Dr. CharuMehan, HOD-MBA Department
- Ms. Upasna, IIC Coordinator, Chandigarh Business School of Administration
- Ms. Ruby Sharma, Assistant Professor, Chandigarh Business School of Administration



The MOU Signing Ceremony between MBA Department and Poshprofs Trainer

Understanding EQ vs. IQ: The Importance of Both

*Article by: Dr. Sonia Jindal
Assistant Professor, MBA Department*

In the realm of personal development and achievement, two acronyms often come up in discussions: EQ (Emotional Intelligence) and IQ (Intelligence Quotient). While both are essential for success in life, they play distinct roles in how we process information, interact with others, and navigate our world. This article will explore the differences, importance, and interplay of EQ and IQ in shaping human behavior and performance.

What is IQ (Intelligence Quotient)?

IQ is a measure of an individual's cognitive abilities or intelligence. It typically reflects your capacity to reason, problem-solve, think critically, and process complex ideas. Traditionally, an IQ test involves various exercises that evaluate areas such as logical reasoning, mathematical skills, verbal proficiency, and spatial awareness. The resulting score is intended to provide a snapshot of a person's intellectual potential compared to the general population.

IQ is often considered an important predictor of academic success and professional competency. For example, individuals with higher IQs may excel in environments that demand analytical thinking, memory, and quick problem-solving, such as in technical or scientific fields.

Key Characteristics of IQ:

- Logical reasoning
- Problem-solving skills
- Analytical thinking
- Academic achievement
- Cognitive abilities in areas like math, language, and spatial understanding

What is EQ (Emotional Intelligence)?

EQ, or Emotional Intelligence, refers to the ability to perceive, understand, manage, and regulate emotions — both your own and those of others. Unlike IQ, which is more focused on cognitive skills, EQ involves social and emotional skills. It helps individuals navigate complex social dynamics, build relationships, and manage stress and conflict.

The concept of EQ was popularized by psychologist Daniel Goleman in his 1995 book, *Emotional Intelligence*. Goleman identified five components of EQ:

1. Self-awareness – Recognizing your own emotions and how they affect your thoughts and behavior.
2. Self-regulation – Managing or redirecting disruptive emotions and impulses.
3. Motivation – Harnessing emotions to pursue goals with energy and persistence.
4. Empathy – Understanding the emotions of others and responding to them appropriately.
5. Social skills – Managing relationships and building rapport with others.

People with high EQ tend to be good at recognizing emotional cues, resolving conflicts, and fostering positive environments, both at work and in personal relationships.

Key Characteristics of EQ:

- Empathy and social awareness
- Strong communication skills
- Emotional self-regulation
- Conflict resolution and collaboration
- Ability to manage stress and adapt to challenges

EQ vs. IQ: Which is More Important?

While both IQ and EQ contribute to success, research has shown that emotional intelligence may be even more important than traditional cognitive intelligence in many aspects of life. For example, in leadership positions, having high EQ allows individuals to build strong teams, inspire others, and handle workplace stress effectively. Studies have indicated that emotional intelligence can predict leadership success and job performance as much, if not more, than cognitive ability.

IQ and Academic Success: IQ is certainly a strong predictor of academic achievement. Higher IQ can correlate with better grades, performance on standardized tests, and the ability to handle complex academic tasks. However, in the real world, academic performance is only one part of success. Other factors such as emotional intelligence can be crucial when dealing with personal challenges, interpersonal relationships, and navigating career growth.

EQ and Career Success: On the other hand, EQ plays a critical role in career advancement, especially in professions that require interpersonal interactions, such as teaching, healthcare, sales, and management. High EQ enables individuals to handle work stress, communicate effectively, and maintain positive work relationships — all factors that contribute to career longevity and success.

Personal Life: In personal relationships, emotional intelligence is key. Understanding and empathizing with others, managing conflicts constructively, and being able to regulate your own emotions are vital for maintaining healthy and fulfilling relationships.

Conclusion

In the end, both IQ and EQ are vital in shaping an individual's ability to navigate the world, build relationships, and succeed in various areas of life. While IQ may open doors in academic and technical domains, EQ is the key to unlocking success in interpersonal relationships and emotional well-being.

Ultimately, the most successful individuals are those who understand that emotional intelligence and cognitive intelligence go hand-in-hand. By nurturing both, individuals can become more well-rounded, adaptable, and effective in all areas of their lives.

The Role of Generative AI in Agriculture

Article by: Dr. Arwinder Kaur, Associate Professor, IT Department

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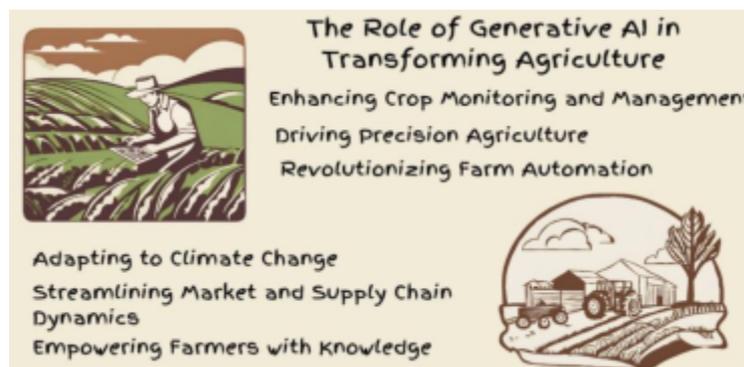
Ms. Amanpreet Kaur, Assistant Professor, IT Department

Agriculture is changing as a result of generative artificial intelligence (GenAI), which is tackling issues like resource inefficiencies, climate change, and growing food demand. GenAI gives farmers practical insights to increase sustainability and productivity by utilizing data from sensors, drones, satellites, and weather models. Crop management and monitoring are only one of its many uses. GenAI uses historical and real-time data analysis to find early indicators of pests, infections, or nutrient deficiencies. This allows for prompt treatments and stops significant losses. Additionally, it makes remarkably accurate crop output predictions, which aid farmers in better planning for harvests and market demands.

GenAI reduces expenses and environmental effect in precision agriculture by customizing suggestions for pesticide, fertilizer, and irrigation applications. By increasing the effectiveness of self-governing machinery such as tractors and drones, it facilitates automation by allowing for accurate planting, spraying, and harvesting. AI systems that track the productivity, food, and health of animals in real time are also beneficial to livestock farming.

To assist farmers in reducing risks and creating climate-resilient practices, GenAI provides prediction models as agriculture adjusts to climate change. By predicting demand and assessing market trends, it also optimizes supply chains, cutting down on food waste and guaranteeing profitability. GenAI-powered virtual assistants give farmers, particularly smallholders in poor nations, real-time assistance.

Despite obstacles like exorbitant prices and problems with accessibility, GenAI has enormous potential to transform agriculture. It can guarantee global food security and advance sustainable practices by encouraging inclusive adoption and moral data use. GenAI is a catalyst for a more intelligent and resilient agricultural future, not merely a tool.



Advancements in AI-Driven Signal Processing for Real-Time Applications

*Article by: Ms. Nidhi Chahal
Assistant Professor, ECE Department*

Signal processing, a cornerstone of modern engineering, has witnessed remarkable advancements with the integration of artificial intelligence (AI). The fusion of AI and signal processing has unlocked unprecedented possibilities in real-time applications, from healthcare diagnostics to autonomous systems. This synergy is revolutionizing how signals are analyzed, interpreted, and utilized. One of the most transformative developments in this field is Deep Learning-based Signal Processing. Neural networks, especially convolution and recurrent architectures, are enabling the extraction of complex features from signals such as audio, images, and biomedical data. For example, AI-driven electrocardiogram (ECG) analysis systems are capable of detecting abnormalities like arrhythmias with accuracy rivaling expert cardiologists, thus accelerating diagnosis and treatment.

In the realm of communications, AI-enhanced Signal Modulation and Demodulation is optimizing bandwidth utilization and reducing latency in 5G networks. Machine learning models are being employed to predict channel conditions, enabling adaptive signal transmission for improved efficiency and reliability. This is a significant milestone as industries gear up for the next wave of connectivity with 6G.

Real-Time Noise Reduction is another critical area where AI is making strides. By employing adaptive filters and machine learning models, systems can suppress noise and enhance signal clarity in applications such as voice assistants, hearing aids, and audio-visual conferencing systems. AI-based denoising algorithms are particularly valuable in environments with unpredictable noise patterns.

In imaging and vision systems, AI-enabled Signal Reconstruction is driving advancements in fields like medical imaging, remote sensing, and security. Techniques like compressed sensing, paired with AI, allow for high-quality image reconstruction from limited data, reducing costs and processing times. As AI continues to evolve, its integration with signal processing is poised to redefine industries, enabling smarter, faster, and more efficient systems. This convergence not only enhances technological capabilities but also opens new avenues for innovation across diverse domains.

Cloud Computing for Small Business

Article by: Ms. Dapinty Saini

Assistant Professor, CSE Department

The Benefits of Cloud Computing for Small Businesses

In today's fast-paced digital landscape, small businesses face unique challenges in staying competitive, managing costs, and scaling efficiently. Cloud computing offers a transformative solution, enabling businesses to leverage advanced technology without the overhead of traditional IT infrastructure. Here, we explore how cloud computing benefits small businesses and why it has become an essential tool for growth and innovation.

1. Cost Efficiency

One of the most significant advantages of cloud computing is its cost efficiency. Small businesses can access cutting-edge software, storage, and computing power on a pay-as-you-go basis, eliminating the need for substantial upfront investments in hardware and software. This model reduces capital expenditures and allows businesses to allocate resources more effectively.

2. Scalability

As businesses grow, their IT needs often evolve. Cloud computing provides unparalleled scalability, allowing small businesses to adjust their resources based on demand. Whether expanding storage capacity, increasing processing power, or accommodating more users, the cloud offers the flexibility to scale up or down seamlessly.



3. Enhanced Collaboration

Cloud computing facilitates real-time collaboration among team members, regardless of location. Tools like Google Workspace, Microsoft 365, and project management platforms allow employees to work on documents simultaneously, share files instantly, and communicate effectively. This fosters a more dynamic and efficient work environment.

4. Data Security and Backup

Many small businesses worry about data security, and cloud providers often offer robust security measures, including encryption, firewalls, and regular security audits. Additionally, cloud solutions typically include automatic backups and disaster recovery options, ensuring critical data is safe and accessible in emergencies.

5. Remote Accessibility

In an increasingly remote work environment, cloud computing enables employees to access essential files, applications, and tools from anywhere with an internet connection. This flexibility not only improves productivity but also helps businesses attract and retain talent by offering remote work options.

6. Competitive Edge

Cloud computing levels the playing field for small businesses by providing access to tools and technologies that were once only available to larger enterprises. Advanced analytics, artificial intelligence, and machine learning services offered by cloud providers empower small businesses to make data-driven decisions and stay ahead of industry trends.

7. Reduced Environmental Impact

By utilizing shared resources hosted in data centres, small businesses can reduce their carbon footprint. Cloud providers optimize their facilities for energy efficiency, contributing to a more sustainable approach to IT operations.

Conclusion

Cloud computing is no longer a luxury but a necessity for small businesses looking to thrive in the modern marketplace. By reducing costs, enhancing scalability, and providing access to advanced technologies, the cloud empowers businesses to focus on their core objectives while staying agile and innovative. Adopting cloud solutions can be a game-changer, enabling small businesses to compete effectively and achieve long-term success.

Advancements in Optical Fiber Communication: Paving the Way for Ultra-Fast Connectivity

*Article by: Dr. Simarpreet Kaur
Assistant Professor, ECE Department*

Optical fiber communication, the backbone of modern data transmission, is witnessing transformative advancements to meet the ever-growing demand for faster and more reliable connectivity. With the rise of technologies such as 5G, cloud computing, and the Internet of Things (IoT), optical fiber systems are evolving to support unprecedented data rates and efficiencies.

Space Division Multiplexing (SDM) is one of the most groundbreaking developments in optical communication. By utilizing multiple spatial modes or cores within a single optical fiber, SDM significantly increases the capacity of fiber networks, pushing data transmission rates into the terabit-per-second range. This technology addresses the looming "capacity crunch" faced by traditional single-mode fibers. Another revolutionary advancement is **Coherent Optical Communication**, which leverages advanced modulation formats and digital signal processing (DSP) to improve spectral efficiency and signal quality. Coherent systems enable long-distance data transmission without significant signal degradation, making them ideal for submarine and terrestrial fiber links. The integration of **Artificial Intelligence (AI) and Machine Learning (ML)** in optical networks is enhancing their performance through predictive maintenance, real-time traffic management, and fault detection. AI-powered algorithms optimize signal routing and resource allocation, ensuring efficient network utilization. **Silicon Photonics** is another game-changer, enabling the development of compact, low-cost, and energy-efficient optical components. This technology is critical for building high-performance transceivers and switches, paving the way for data centres and next-generation networks.

Additionally, the adoption of **Wavelength Division Multiplexing (WDM)** continues to expand, allowing multiple data channels to be transmitted simultaneously on different wavelengths, thereby maximizing fiber utilization. As optical fiber communication continues to innovate, it is not only addressing the data demands of today but also shaping the future of global connectivity. These advancements are vital for powering smart cities, autonomous systems, and the seamless digital experiences of tomorrow.

Faculty Achievements

Dr. Amanpreet Kaur, H.O.D, Information Technology Department successfully completed the "Accreditation and Outcome Based Learning" under NPTEL Swayam, a Government of India initiative.



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
AMANPREET KAUR
for successfully completing the course

Accreditation and Outcome Based Learning

with a consolidated score of **70** %

Online Assignments	21.96/25	Proctored Exam	48/75
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Total number of candidates certified in this course: **1675**

Aug-Oct 2024
(8 week course)

Indian Institute of Technology Kharagpur

Roll No: NPTEL24GE66S1054900443 To verify the certificate  No. of credits recommended: 2 or 3

Prof. Haimanti Banerji
Coordinator, NPTEL
IT Kharagpur

swayam

Dr. Arvinder Kaur, Associate Professor from the Department of Information Technology successfully completed the "Operating System Fundamentals" under NPTEL Swayam, a Government of India initiative.



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
ARVINDER KAUR
for successfully completing the course

Operating System Fundamentals

with a consolidated score of **68** %

Online Assignments	21.47/25	Proctored Exam	46.5/75
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Total number of candidates certified in this course: **2487**

Jul-Oct 2024
(12 week course)

Indian Institute of Technology Kharagpur

Roll No: NPTEL24CS108S554900697 To verify the certificate  No. of credits recommended: 3 or 4

Prof. Haimanti Banerji
Coordinator, NPTEL
IT Kharagpur

swayam

Faculty Achievements

Dr. Monika, Assistant Professor from the Department of Information Technology successfully completed the "Research Methodology" under NPTEL Swayam, a Government of India initiative.



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
MONIKA
for successfully completing the course
Research Methodology
with a consolidated score of **67** %

Online Assignments	23.38/25	Proctored Exam	43.88/75
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Total number of candidates certified in this course: **3922**

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

Jul-Sep 2024
(8 week course)

M. Vignesh
Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

FREE ONLINE EDUCATION
swayam
एनपीटीई स्वयम

Roll No: NPTEL24GE41S132900146 To verify the certificate  No. of credits recommended: 2 or 3

Ms. Megha Sharma, Assistant Professor from the Department of Information Technology successfully completed the "Research Methodology" under NPTEL Swayam, a Government of India initiative.



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
MEGHA SHARMA
for successfully completing the course
Research Methodology
with a consolidated score of **70** %

Online Assignments	23.04/25	Proctored Exam	46.75/75
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Total number of candidates certified in this course: **3922**

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

Jul-Sep 2024
(8 week course)

M. Vignesh
Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

FREE ONLINE EDUCATION
swayam
एनपीटीई स्वयम

Roll No: NPTEL24GE41S132900134 To verify the certificate  No. of credits recommended: 2 or 3

Faculty Achievements

Ms. Amanpreet Kaur, Assistant Professor from the Department of Information Technology successfully completed the "Operating System Fundamentals" under NPTEL Swayam, a Government of India initiative.



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
AMANPREET KAUR
for successfully completing the course
Operating System Fundamentals
with a consolidated score of **61** %

Online Assignments	22.06/25	Proctored Exam	39/75
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Total number of candidates certified in this course: **2487**

Jul-Oct 2024
(12 week course)

Indian Institute of Technology Kharagpur

Prof. Haimanti Banerji
Coordinator, NPTEL
IT Kharagpur

swayam

Roll No: NPTEL24CS106S554900647 To verify the certificate  No. of credits recommended: 3 or 4

Ms. Lakhvinder Kaur from the Department of Information Technology successfully completed the "Digital Logic and Circuits Simulations" under NPTEL Swayam, a Government of India initiative.



INI
SWAYAM ONLINE COURSE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
LAKHVINDER KAUR
for successfully completing the course
Digital Logic and Circuits Simulations
with a consolidated score of **73** %

Online Assignments	21.5/25	Proctored Exam	51.75/75
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Total number of candidates certified in this course: **175**

Aug-Oct 2024
(8 week course)

BANARAS HINDU UNIVERSITY

Dr. Ashutosh Mohan,
Coordinator, B.H.U., Varanasi

swayam

Roll No: INI24MA02S154900008 To verify the certificate  No. of credits recommended: 2 or 3

Faculty Achievements

Ms. Lubna from the Department of Information Technology successfully completed the "Descriptive Statistics with R Software" under NPTEL Swayam, a Government of India initiative.



NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
LUBNA
for successfully completing the course
Descriptive Statistics with R Software
with a consolidated score of **50** %

Online Assignments	15.88/25	Proctored Exam	34.5/75
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Total number of candidates certified in this course: **401**

Aug-Oct 2024
(8 week course)

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL24MQ133S854900420 To verify the certificate No. of credits recommended: 2 or 3

Mr. Amitabh Sharma from the Department of Information Technology successfully completed the "Accreditation and Outcome Based Learning" under NPTEL Swayam, a Government of India initiative.



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
AMITABH SHARMA
for successfully completing the course
Accreditation and Outcome Based Learning
with a consolidated score of **84** %

Online Assignments	22.92/25	Proctored Exam	61.5/75
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Total number of candidates certified in this course: **1675**

Aug-Oct 2024
(8 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL24GE66S1054900353 To verify the certificate No. of credits recommended: 2 or 3

Faculty Achievements

Dr. Vinay Bhatia received **SWAYAM certification** in the Course “Digital Logic and Circuit Simulations” attended from July –Oct 2024.



Dr. Varsha Sood achieved **Foundations of Project Management Coursera certification** in the month Nov. 2024.



Faculty Achievements

Dr.Gagandeep Jindal, Professor in the CSE Department, received the ISTE Best Teacher Award 2024 for his commitment to advancing educational standards and inspiring future leaders through his dedication to teaching. The award ceremony was held on October 25, 2024, at BGIET Sangrur. The award was presented by Hon'ble Vice Chancellor of IKGPTU, Dr. Susheel Mittal, along with ISTE President Dr. Pratap Singh Kakasaheb Desai, Hon'ble Prof. Dr. Boota Singh Sidhu, Former Vice Chancellor of MRSPTU Bathinda, and Prof. Dr. R. P. Singh Sukerchakia, ISTE Section Chairman for Punjab, Chandigarh, Himachal Pradesh, and Jammu & Kashmir.



Dr.SheljaJhamb, CSE Department got a certificate of recognition as NPTEL discipline star.



Faculty Achievements

CSE department faculty appeared for NPTEL exam and 200 faculty members cleared this Exam.



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
SUKHPREET KAUR
for successfully completing the course
Theory of Computation

with a consolidated score of **70** %

Online Assignments	20.5/25	Proctored Exam	49.75/75
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Total number of candidates certified in this course: **2121**

Prof. B. V. Ratish Kumar
Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jul-Sep 2024
(8 week course)

Prof. Satyaki Roy
Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL24CS71S132900328 To verify the certificate  No. of credits recommended: 2 or 3



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
GEETANJALI
for successfully completing the course
Data Base Management System

with a consolidated score of **61** %

Online Assignments	19.79/25	Proctored Exam	41.25/75
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Total number of candidates certified in this course: **7134**

Jul-Sep 2024
(8 week course)

Prof. Haimanti Banerji
Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL24CS75S232900559 To verify the certificate  No. of credits recommended: 2 or 3

Faculty Achievements



NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

This certificate is awarded to

MANDEEP KAUR

for successfully completing the course

Data Base Management System

with a consolidated score of **51** %

Online Assignments	18.13/25	Proctored Exam	33/75
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Total number of candidates certified in this course: **7134**

Jul-Sep 2024
(8 week course)



Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS75S232900591

To verify the certificate



No. of credits recommended: 2 or 3

Faculty Achievements (Patents)

- **Ashima Kalra , Sonia Jindal , Bhawna Tandon, Ashish Debnath, Akash Dutta, Darpan Kochar, Rishabh Batta** got their patent granted on 5th November, 2024. The title of the patent is “Multifunctional Service System for Housing Society.”



- **Abhishek Sharma, Vishal Kumar Sahni, Paras, Dr.Ashima Kalra** filed patent on “System To Enable Offline Data Transfer in Internet of Things Applications”
- **Bhavneet Kaur, Dr. Bhawna Tandon** filed patent on “Automated Caliper for Dimension Measurement.
- **Mayank, Khushi, Mehak Sachdeva, Kanya, Sahil Kumar, Dr. Ashima Kalra, Dr.Dinesh Arora** filed patent on “Medi ATM”.
- **Ashish Singh, Anup Kumar, Dr Abhishek Sharma, Dr Dinesh Arora** filed patent on “A Gesture based drone control system”.
- **Nishant Anand, Prince Rana, Sahil Kumar, Dr Abhishek Sharma, Dr Dinesh Arora** filed patent on “RFID Based Authentication System”.
- **Hitesh, Nidhi Chahal** filed patent on “GSM Based Prepaid Energy Meter.

Faculty Achievements (Publications)

- Dr. Arvinder Kaur, Associate Professor, Department of Information Technology, Yugal Kumar & Jagpreet Sidhu published research paper on “Exploring meta-heuristics for partitional clustering: methods, metrics, datasets, and challenges” in *Artificial Intelligence Review*, vol. 57, no. 287 in September 2024.
- Kaur, R., Kaur, J., Kaur, S., Kaur, G., Bhatia, R., & Kumar, P. (2024) published research paper on “A method for eco-friendly transactions” in *2024 IEEE 5th India Council International Subsections Conference (INDISCON)* (pp. 1–6). Chandigarh, India.
- Kalra, A. published research paper on “Precision agriculture: Fuzzy logic or deep neural network models for robust crop disease” in *AI and Data Analytics in Precision Agriculture for Sustainable Development* (Springer, Accepted October 2024).
- Kaur, G., Kaur, S., & Bhatia, V. published research paper on “Dual port UWB MIMO dielectric resonator antenna with airplane-shaped defective ground structure” in *Wireless Personal Communications* (Accepted).
- Kaur, J., Kaur, S., & Bhatia, V. published research paper on “A kite-shaped antenna array for dual-band applications” in *Proceedings of the IEEE Third International Conference on Artificial Intelligence, Computational Electronics and Communication System (AICECS 2024)* (Presented December 2024).

Students Achievements

The CSE department students of CEC-CGC appeared for NPTEL exam and 160 students cleared this Exam.



Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

This certificate is awarded to
SHRUTI THAKUR
for successfully completing the course
Data Base Management System
with a consolidated score of **73** %

Online Assignments	17.92/25	Proctored Exam	54.75/75
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Total number of candidates certified in this course: **7134**

Jul-Sep 2024
(8 week course)



Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS75S232900525 To verify the certificate  No. of credits recommended: 2 or 3



Elite

NPTEL ONLINE CERTIFICATION

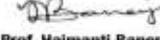
(Funded by the MoE, Govt. of India)

This certificate is awarded to
NAMAN ARORA
for successfully completing the course
Data Base Management System
with a consolidated score of **75** %

Online Assignments	20.63/25	Proctored Exam	54/75
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Total number of candidates certified in this course: **7134**

Jul-Sep 2024
(8 week course)



Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS75S232900605 To verify the certificate  No. of credits recommended: 2 or 3

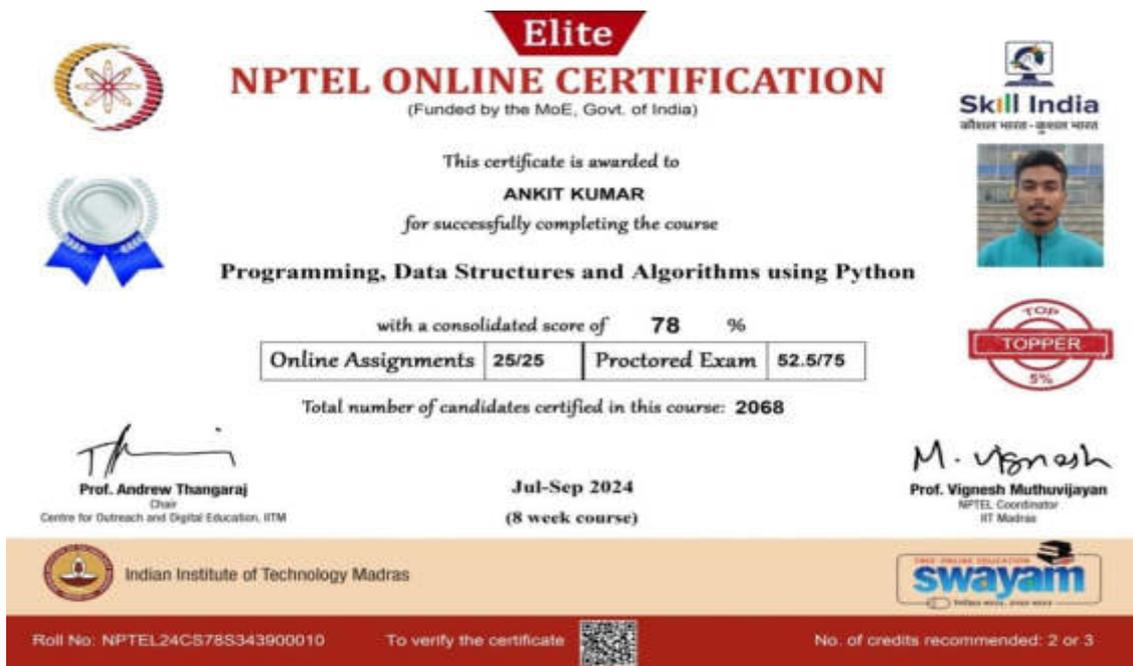
Students Achievements

The **Students of CSE Department Rupesh and Saksham**, won first prize in the Three-Day Geo Innovation Challenge 2024, organized by the Department of Science & Technology (DST), New Delhi (Government of India). The event was hosted by Punjab Engineering College (PEC), Deemed to be University, Chandigarh, and included a cash prize of ₹12,000. The purpose of the Geo Innovation Challenge was to recognize, encourage, and nurture innovation among the youth to contribute to the national socio-economic development process. The main theme of this year's challenge at Punjab Engineering College, Chandigarh, was to emphasize the use of innovative and emerging methodologies to address increasingly complex public health challenges.



Students Achievements

The ECE department achieved approximately **50+ student MOOC certifications** from various online certification platforms, including Coursera, Udemy, AWS, FutureLearn, SkillUp, AWS Educate, Great Learning, GUVI, and others, during the months of October to December 2024. The ECE department achieved **20 student certifications through the SWAYAM** platform.



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
ANKIT KUMAR
for successfully completing the course
Programming, Data Structures and Algorithms using Python

with a consolidated score of **78** %

Online Assignments	25/25	Proctored Exam	52.5/75
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Total number of candidates certified in this course: **2068**

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

Jul-Sep 2024
(8 week course)

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL24C578S343900010 To verify the certificate No. of credits recommended: 2 or 3

TOPPERS
5%

Skill India
शिक्षण करो - क़रीब करो

Kirat Mehta from **5th semester ECE** secured 3rd position, IKGPTU Inter College Football Competition held on 10 Oct 2024.



Students Achievements

Sonam from 5th semester ECE secured 3rd position in Javelin Throw (women) in Inter-College Athletic meet, IKGPTU-2024.



- **Mansi** from MBA 3rd semester won bronze medal at IKGPTU Inter College Badminton competition on 17th October 2024 at GNE Ludhiana.
- **Ankush and Ruchika** from MBA 1st Semester won second prize in Handball Competition at District Level on 10th November 2024 at Kurali Handball Club.
- **Muzamil and Mohit** from MBA 1st Semester won Gold Medals at KGPTU Inter College Handball Competition at District Level on 12th November 2024 at CGC Jhanjheri.

Students Achievements (Placements)

ECE students have secured 17 job offers, with 10 students placed in reputed companies such as Altruist Technologies Pvt. Ltd, Movidu Technology, and Logicapt Informatics Pvt. Ltd, achieving a highest package of 7 LPA.

Sr No	Roll No	Name	Company	Package (LPA)	Profile
1	2102086	Vaibhav Gupta	Logicapt Informatics Pvt. Ltd	5	Patent Analyst
2	2101959	Bhupinder Kaur	Logicapt Informatics Pvt. Ltd	5	Patent Analyst
3	2101964	Diksha	Movidu Technology	7	Business Development
4	2101994	Lakshay Vats	Movidu Technology	7	Business Development
5	2237723	Abhishek	Movidu Technology	7	Business Development
6	2237731	Manirattan	Movidu Technology	7	Business Development
7	2101978	Harshita Srivastava	Altruist Technologies Pvt Ltd.	4.8	Graduate Engineer Trainee - Telecom Infrastructure
8	2101998	Mamta	Altruist Technologies Pvt Ltd.	4.8	Graduate Engineer Trainee - Telecom Infrastructure
9	2102013	Nicky Kumari	Altruist Technologies Pvt Ltd.	4.8	Graduate Engineer Trainee - Telecom Infrastructure
10	2237732	Ranjit Kumar	Altruist Technologies Pvt Ltd.	4.8	Graduate Engineer Trainee - Telecom Infrastructure

Students Section

STUDENT EDITORS



Arpan Sood
B.Tech AI&DS -A1



Darshpreet Kaur
B.Tech CSE-B2



Mohammad Sahil
B.Tech AI&DS -A2



Charu
B.Tech CSE-B2

How to Stay Updated with the Latest Tech Trends

In today's fast-evolving world, staying updated with the latest tech trends is crucial for students pursuing career in tech. Here are some quick ways to stay informed:

1. **Follow Tech News Websites:** Websites like TechCrunch, Wired, The Verge and Mashable provide daily updates on the latest innovations and breakthroughs.
2. **Subscribe to Newsletters:** Newsletters from platforms like MIT Technology Review, Hacker News and Smashing Magazine deliver curated tech news without the hassle of searching it by yourself.
3. **Watch YouTube Channels:** Channels like MKBHD and TechLinked offer insights on new gadgets and tech developments.
4. **Listen to Tech Podcasts:** Podcasts such as Daily Bite, TED Tech and Syntax keep you informed about the latest Tech Trends.
5. **Join Online Communities:** Engage with communities on Reddit, GitHub and Stack Overflow to discuss trends and share knowledge.
6. **Follow Industry Leaders on Social Media:** Tech influencers on LinkedIn, Instagram and Twitter often share the latest trends and insights.
7. **Enroll in Online Courses:** Platforms like Coursera and Udemy offer courses that cover the newest technologies and tools.
8. **Attend Webinars and Conferences:** Participate in online events to learn about new tech developments firsthand. Attend events like local hackathons can provide greater exposure.
9. **Join College Tech Clubs:** College clubs offer workshops and discussions on the latest trends. Stay connected with like-minded peers.
10. **Experiment with New Tech:** Hands-on experience with new tools and frameworks helps you stay updated. Try out new programming languages, frameworks, and tools to stay ahead of the curve and be industry-ready.

By following these steps, you can stay ahead in the tech industry and keep up with rapid changes.

Name-Kavya

BTech CSE(4C2)

Invest Wisely: The Benefits of Starting a Systematic Investment Plan

Introduction

SIP, or Systematic Investment Plan, is a method of investing in mutual funds where investors contribute a fixed amount at regular intervals, typically monthly. This approach harnesses the power of compounding and rupee cost averaging.

Benefits of SIPs

- Disciplined investing
- Affordability
- Flexibility
- Compound Benefit
- Tax Benefits

If you're looking for potential higher returns and can tolerate market risks, SIPs might be more suitable.

Let us take an Example:

Initial Investment and Contributions:

Monthly Investment: RS.10,000

Investment Duration: 15 years

Expected Annual Return: 12%

After 15 years, an investment of Rs 18, 00,000 would grow to approximately Rs. 50,45,760 demonstrating how SIP can leverage the benefits of compounding and reduce the impact of market volatility.

Overall, SIPs provide a convenient and effective way to build wealth gradually while promoting financial discipline.

**Name – Akshat
B.Tech AI & DS**

The Importance of Networking in College

After spending nearly one and a half year in the college I have realized that Networking is a crucial aspect of a student's journey, especially for engineering students aiming to build successful careers. Beyond academics, connecting with peers, seniors, and industry professionals can open doors to various opportunities such as internships, job offers, and collaborative projects.

Through networking, students can gain valuable insights into industry trends, learn from experienced professionals, and receive guidance on career paths. It also helps in enhancing essential skills like communication, teamwork, and problem-solving.

One of the biggest advantages of networking is the access it provides to career opportunities. Many companies prefer hiring through referrals, and having the right connections can give students an edge when applying for internships and jobs. Engaging with alumni, attending career fairs, and participating in industry events can help students stay informed about job trends and market demands.

To build a strong network, students can join college clubs, participate in hackathons, attend industry events, and leverage platforms like LinkedIn and GitHub to connect with professionals. Establishing a professional online presence and maintaining relationships with faculty members can also contribute to a strong support system.

In conclusion, networking is not just about making connections—it's about creating opportunities and preparing for a successful future in the tech industry. Networking is a powerful tool that can help students unlock new opportunities, gain knowledge, and build a successful career path. Making the effort to connect with others today can lead to significant benefits in the future. So, step out of your comfort zone and start building your network now!

Name: Vanshika Sharma

BTech IT C (2nd year)

Chat GPT: Transforming Conversations with Pros and Cons

Chat GPT, an advanced AI language model developed by OpenAI, has revolutionized the way we interact with technology, offering a wide range of applications in education, business, and personal productivity. However, like any innovation, it comes with its own set of strengths and limitations.

Pros:

1. **Versatility:** Chat GPT can assist in diverse tasks such as writing, coding, brainstorming ideas, answering queries, and more, making it a valuable tool across multiple domains.
2. **Efficiency:** It provides instant responses, saving time and improving productivity, especially for repetitive or research-based tasks.
3. **Accessibility:** Chat GPT makes knowledge and guidance easily accessible to individuals globally, bridging educational and informational gaps.
4. **Creativity Boost:** It sparks creativity by generating ideas, suggesting solutions, or crafting compelling content, aiding writers, marketers, and developers alike.
5. **Personalization:** The AI adapts to user preferences and provides tailored recommendations, enhancing user experience.

Cons:

1. **Accuracy Limitations:** While often accurate, Chat GPT can occasionally provide incorrect or misleading information, requiring users to verify critical outputs.
2. **Lack of Contextual Understanding:** It may misinterpret complex or nuanced queries, leading to responses that lack depth or relevance.
3. **Dependence on Training Data:** The AI is only as good as its training data and may exhibit biases or gaps in knowledge.
4. **Ethical Concerns:** Its potential misuse for spreading misinformation, generating malicious content, or automating spam raises ethical questions.
5. **Human Touch Missing:** Despite its conversational abilities, Chat GPT lacks emotional intelligence and the human touch needed for empathetic or nuanced interactions.

Chat GPT represents a leap forward in AI-driven communication, balancing its transformative capabilities with notable challenges. As it evolves, addressing its limitations while embracing its strengths will be key to maximizing its benefits for society.

Name: Tanishk Sharma

ECE-5thsem

The Importance of Mental Health: Nurturing Our Well-Being

Mental health is a crucial aspect of overall well-being, yet it often does not receive the attention it deserves. Our mental health affects how we think, feel, and act, shaping our ability to cope with stress, relate to others, and to make decisions. The pandemic has underscored the importance of mental health, with many individuals experiencing higher levels of anxiety, depression, and stress. However, despite these challenges, there is a growing recognition that mental health is just as important as physical health.

Taking care of mental health is essential for leading a fulfilling life. Just like physical health, mental health requires proactive measures and self-care. Regular exercise, balanced nutrition, and sufficient sleep all play a significant role in maintaining mental well-being. Moreover, engaging in activities that bring joy, such as hobbies or spending time with loved ones, can help alleviate stress and foster a positive outlook.

It's equally important to recognize when professional help is needed. Therapy, counselling, and medication can offer effective solutions for managing mental health conditions. Access to mental health care should be a priority for individuals and societies alike, ensuring that people can seek support without stigma or barriers.

Mental health awareness has made significant strides in recent years, yet there is still much work to be done. Removing the stigma surrounding mental health challenges and creating supportive environments where people can talk openly about their experiences is crucial. When we prioritize mental health, we not only improve individual well-being but also enhance the quality of life within our communities.

In conclusion, mental health should never be overlooked. Just as we care for our bodies, it is essential to nurture our minds, ensuring that we live balanced, healthy, and fulfilling lives.

Name: Mayank

ECE-5thsem

AI-Powered Communication: Boon or Bane

Artificial Intelligence (AI) has become an integral part of modern communication, revolutionizing the way we interact with technology and each other. From virtual assistants like Alexa and Siri to advanced chatbots like ChatGPT, AI-driven conversational tools are shaping a new era of convenience and productivity. However, this transformation comes with both advantages and challenges.

Pros of AI in Conversations:

1. **Efficiency and Speed:** AI tools process and analyze queries in real time, providing instant responses and streamlining tasks such as customer support, content generation, and language translation.
2. **Accessibility:** AI bridges communication gaps by enabling multilingual support and assisting individuals with disabilities, such as speech or hearing impairments.
3. **Personalization:** AI systems learn from user interactions to deliver tailored responses and recommendations, enhancing user satisfaction.
4. **Scalability:** Businesses can handle large volumes of customer interactions simultaneously, improving efficiency and reducing costs.
5. **Continuous Availability:** Unlike humans, AI systems operate 24/7, ensuring uninterrupted communication and support.

Cons of AI in Conversations:

1. **Lack of Emotional Intelligence:** AI lacks genuine empathy, making it less effective in addressing sensitive or emotional situations.
2. **Inaccuracy Risks:** AI can misinterpret nuanced queries or generate incorrect responses, requiring human oversight for critical tasks.
3. **Bias and Ethics:** AI systems reflect the biases present in their training data, leading to potential ethical and fairness concerns.
4. **Privacy Issues:** The extensive data collection required for personalization can pose risks to user privacy and data security.
5. **Dependence on Technology:** Over-reliance on AI could lead to diminished human interaction skills and critical thinking.

AI has undeniably transformed conversations, offering innovative solutions for communication challenges. However, balancing its immense potential with its limitations is essential to harness its benefits responsibly while minimizing its drawbacks. The future of AI in conversations lies in thoughtful integration and ethical advancements.

Name: Reeshika

ECE-3rdsem

Lung Cancer Detection (Using machine learning)

Lung cancer remains one of the leading causes of cancer-related deaths worldwide, primarily due to late-stage diagnosis when treatment options are less effective. Early detection significantly improves survival rates, making advancements in diagnostic methods critical. In recent years, machine learning (ML) has emerged as a transformative tool in healthcare, offering the potential to revolutionize lung cancer detection.

The Role of Machine Learning in Lung Cancer Detection

Machine learning leverages algorithms to identify patterns in complex datasets, learning from examples to make predictions. In the context of lung cancer, ML models can analyse medical imaging, genetic data, and clinical records to detect abnormalities indicative of malignancies. Key ML applications in lung cancer detection include:

1. **Image Analysis:** Radiologists traditionally analyse CT (computed tomography) scans and X-rays to identify lung nodules. ML models, particularly deep learning frameworks like convolution neural networks (CNNs), can enhance this process by detecting subtle patterns that might escape the human eye. By training on large datasets, these models can differentiate between benign and malignant nodules with high accuracy.
2. **Risk Prediction:** ML algorithms can integrate demographic, genetic, and environmental data to assess an individual's risk of developing lung cancer. Such models help in identifying high-risk populations for targeted screening programs.
3. **Histopathological Analysis:** In pathology, ML can analyze biopsy samples at the cellular level. Algorithms trained on histopathological images can classify cancer subtypes and predict tumor aggressiveness, aiding in personalized treatment planning.
4. **Biomarker Identification:** Advanced ML techniques, such as ensemble learning and support vector machines, can analyze genomic and proteomic data to identify biomarkers associated with lung cancer. These biomarkers can serve as early indicators, guiding diagnostic and therapeutic decisions.

Machine Learning Techniques in Lung Cancer Detection

Several ML techniques have shown promise in lung cancer detection:

- **Supervised Learning:** Algorithms like decision trees, random forests, and support vector machines (SVMs) are commonly used for classification tasks, such as distinguishing between malignant and benign nodules.
- **Deep Learning:** CNNs, a subset of deep learning, are particularly effective in analyzing medical images, detecting lung nodules, and identifying patterns indicative of cancer.
- **Natural Language Processing (NLP):** NLP models can analyze unstructured clinical notes to extract valuable insights, such as patient history or symptoms relevant to lung cancer.
- **Reinforcement Learning:** Though less common, reinforcement learning is being explored for optimizing treatment pathways based on early detection outcomes.

Challenges and Limitations

While ML holds great promise, its application in lung cancer detection is not without challenges:

1. **Data Quality and Quantity:** Machine learning models require large, high-quality datasets for training. However, medical data is often fragmented, noisy, or imbalanced, limiting model performance.
2. **Interpretability:** Many ML models, particularly deep learning systems, function as "black boxes," making it challenging for clinicians to understand and trust their decisions.
3. **Generalizability:** ML models trained on specific datasets may not perform well when applied to different populations or imaging modalities.
4. **Ethical Concerns:** Ensuring patient privacy and addressing potential biases in training data are critical to the ethical deployment of ML in healthcare.

Future Directions

To overcome these challenges and fully realize the potential of ML in lung cancer detection, ongoing research is focused on:

- **Federated Learning:** This approach enables collaborative model training across institutions without sharing sensitive patient data, enhancing model robustness and generalizability.
- **Explainable AI (XAI):** Developing interpretable ML models ensures that clinicians can understand and validate predictions, fostering trust in AI-driven tools.
- **Integration with Clinical Workflows:** Seamless integration of ML tools into existing healthcare systems is essential for widespread adoption and impact.
- **Real-time Analysis:** Advancements in computational efficiency will enable real-time analysis of medical images and data, supporting faster diagnosis and treatment.

Name: Aman Kumar

B.Tech CSE

Data Science and Big Data

In today's digital era, Data Science and Big Data have become the backbone of modern computing. They empower organizations to extract meaningful insights from vast amounts of information, enabling smarter decisions, enhanced efficiency, and innovative solutions. To understand this, first, we should answer some questions like What is Data Science? and the answer to that is Data Science is a field which involves using methods, processes, and algorithms to analyze large and complex datasets. It combines techniques from statistics, computer science, and machine learning to uncover patterns and trends. By doing so, it transforms raw data into actionable insights that drive decision-making and Big Data refers to extremely large datasets that are too complex to be processed by traditional methods. These datasets are characterized by three main properties, often called the 3Vs: **Volume:** Massive amounts of data. **Velocity:** The speed at which data is generated and processed. **Variety:** Different formats of data, such as text, images, and videos. Role of Data Science and Big data in Modern Computing

1. Enhanced Decision-Making Data Science enables businesses to analyse historical and real-time data to make informed decisions. Predictive analytics helps forecast market trends, customer behaviour, and risks.
2. Personalization Companies like Netflix and Amazon use Big Data to personalize user experiences. By analyzing past activities, they recommend movies, products, and services tailored to individual preferences.
3. Optimizing Operations Big Data helps organizations streamline processes, improve supply chains, and identify inefficiencies. For example, logistics companies use data to optimize delivery routes and reduce fuel consumption.
4. Advancing Health care in healthcare, Data Science is used to predict diseases, personalize treatments, and analyze patient outcomes. Big Data has also played a crucial role in vaccine development during global health crises.
5. Improving Cybersecurity With cyber threats on the rise, Data Science helps identify potential vulnerabilities and detect anomalies in real-time, strengthening organizational security.

What the future holds, no one knows and to understand the future scope of Data Science and Big Data we have to consider that as computing power increases, the scope of Data Science and Big Data will expand further. Emerging technologies like Artificial Intelligence, IoT, and Quantum Computing will rely heavily on Big Data to enhance their capabilities. In conclusion, Data Science and Big Data are not just tools—they are catalysts for innovation.

Name: Mukund Sharma
B.Tech CSE

Quantum Leap: The Present and Future of Quantum Computing

Quantum Computing has recently made strides in its development, from rethinking chips to algorithms that boost multitasking in quantum machine learning. The basic principle of quantum computing differs from that of modern everyday computers due to its specialized hardware, which leverages quantum mechanics. Quantum computing's basic unit of information is the Qubit (Quantum Bit), which serves the same function as the regular bit. However, unlike the "classical bit," which can be in one of two states, a qubit can exist in a superposition of its two "basis" states—a state that, in a sense, is between the two states. Though a classical computer can also solve the same problems as the quantum computer, the main advantage comes in the form of time complexity rather than computability. "A quantum computer won't necessarily compete with a classical computer in things like memory size or CPU size," said UChicago PME Prof. Andrew Cleland. "Instead, they take advantage of a fundamentally different scaling; doubling a classical computer's computational power requires twice as big a CPU or twice the clock speed. Doubling a quantum computer only requires one additional qubit." Quantum Computing has demonstrated its applications and possible development in the fields of healthcare and drug discovery, cryptography, and risk analysis in financial decisions, and could possibly integrate itself in myriad other ways into our lives. Researchers have recently realized a new design for quantum processor chips, which overcomes previous limitations encountered in the quantum computing space. Unlike the typical quantum chip design that lays the information-processing qubits onto a 2-D grid, the team has designed a modular quantum processor comprising a reconfigurable router as a central hub. In layman's terms, now, any qubits can connect and entangle, as compared to the previous architecture, where a qubit could only communicate with its physically nearest qubit. The primary limitation of current quantum computing architecture is that each qubit can only interact with, at most, four other qubits—its immediate neighbours to the north, south, east, and west. This limitation is considered inherent to the planar design. Greater qubit connectivity would enable a more powerful processor regarding flexibility and components. To work around this issue, researchers at the UChicago Pritzker School of Molecular Engineering (UChicago PME) have retouched the architectural design of the quantum processor. The processor is designed to be modular, so different components can be pre-selected before being mounted onto the processor motherboard. The same team of researchers is also working to scale up the quantum processor to more qubits and find novel protocols for expanding the processor's capabilities. "Right now, the coupling range is sort of medium-range, on the order of millimetres," said UChicago PME PhD candidate Xuntao Wu. "So, if we're trying to think of ways to connect remote qubits, then we must explore new ways to integrate other kinds of technologies with our current setup." As researchers continue to innovate and push the boundaries of quantum computing, these advancements bring us closer to realizing its transformative potential across diverse fields.

Name: Om Sharma
B.Tech CSE

Foreign Direct Investment (FDI) in the Retail Sector

Foreign Direct Investment (FDI) in India has been a subject of debate for years, especially with its increasing presence in various sectors, including the retail industry. As one of the fastest-growing economies in the world, India offers vast potential for foreign investment, and the retail sector, in particular, presents attractive opportunities for global players. However, the question remains: is FDI in the retail sector good for India?

In this article, we'll explore both the potential benefits and concerns surrounding FDI in India's retail sector to provide a clearer picture of its impact.

What is FDI in Retail?

Foreign Direct Investment refers to investment made by a foreign entity in a business or company operating in another country. In the context of retail, FDI occurs when foreign companies invest in Indian retail chains, either by setting up their own stores or by entering into partnerships with domestic firms.

India has gradually opened its retail market to foreign players. In 2012, the government allowed 51% FDI in multi-brand retail (which includes supermarkets, hypermarkets, etc.) and 100% FDI in single-brand retail (such as fashion or electronics). This move has attracted significant interest from global retail giants like Walmart, Amazon, Ikea, and others.

The Potential Benefits of FDI in India's Retail Sector

1. **Job Creation and Economic Growth:** FDI in retail brings with it a considerable influx of capital and resources. Global retailers typically build large-scale stores and distribution networks, which require significant manpower. This leads to the creation of thousands of jobs, both directly (in retail outlets) and indirectly (in supply chains, logistics, etc.). With India's large, youthful workforce, FDI can contribute to solving the employment challenge while spurring economic growth.
2. **Improved Supply Chain Infrastructure:** One of the major challenges faced by the Indian retail sector is the inefficiency of supply chains, leading to high wastage and increased costs. Foreign retailers often bring advanced technology, logistics systems, and supply chain management expertise. The entry of international companies can modernize the country's retail infrastructure, reducing waste, improving inventory management, and enhancing delivery systems.

3. **Access to Global Products and Brands:** FDI in retail allows Indian consumers to access global products and brands that were previously difficult to obtain. Whether it's fashion, electronics, or food, foreign investment enables Indian consumers to enjoy a wider variety of goods at competitive prices. This also helps in meeting changing consumer preferences, particularly in urban markets.
4. **Increased Competition and Innovation:** The entry of foreign retailers introduces new competition to the market. As global players bring in their expertise, best practices, and customer-centric innovations, Indian retailers are forced to improve their services, adopt new technologies, and offer better quality products at competitive prices. This level of competition can lead to higher productivity and a more dynamic retail sector.
5. **Boosting India's GDP:** FDI directly contributes to the growth of India's economy by enhancing domestic consumption and production. When global players set up stores, distribution hubs, and manufacturing units, they invest not just in infrastructure but also in building local partnerships, thereby driving the economy.

Conclusion: Striking a Balance

The question of whether FDI in India's retail sector is good for the country does not have a straightforward answer. The potential benefits, such as job creation, improved infrastructure, and enhanced consumer choice, are undeniable. However, the challenges—particularly the impact on small retailers, market domination, and cultural concerns—cannot be ignored.

For FDI to be truly beneficial for India, a balance must be struck. Policymakers need to implement measures that protect small businesses, promote fair competition, and ensure that foreign retailers contribute positively to the local economy

Name: Tanisha

MBA 1st Semester

If Winning Isn't Everything, Why Do They Keep the Score

The phrase “Winning isn’t everything; it’s the only thing” has long been a hallmark of competitive sports and an attitude that many athletes, coaches, and fans alike have embraced. Yet, in contrast, there is another adage that reminds us, “It’s not whether you win or lose, but how you play the game.” This contradiction raises an interesting philosophical question: If winning isn’t everything, why do they keep the score?

At the heart of this question lies the tension between the ideals of competition and the values of personal growth, enjoyment, and teamwork. While it's clear that scores in sports or games are kept for a reason, the deeper question is about the importance of the score in relation to the experience itself. Let's explore this question from multiple angles, considering the roles of motivation, values, and human nature in competitive settings.

The Nature of Competition

Competition, by its very nature, implies a measurement of performance. Whether in a game, sport, or even in business, a score is a way of objectively assessing who performed better. It creates a benchmark, an endpoint that everyone can understand and work toward. This is especially evident in organized sports, where the winner is often determined by a final tally of points, runs, goals, or time.

However, the presence of a score doesn't mean that winning is the only worthwhile outcome. Competitive environments can provide numerous benefits beyond simply emerging as the victor:

- **Personal Improvement:** For many athletes, the competition is about setting personal goals and improving individual performance. A score may reflect this progress even if the athlete doesn't win. In a marathon, for instance, the real victory for many runners is achieving a personal best, regardless of where they place.
- **Teamwork and Collaboration:** Team sports like soccer, basketball, and rugby highlight the importance of working together to achieve a common goal. While the score determines the winner, the true value often lies in the relationships built on collaboration, trust, and shared effort, which transcends the final score.
- **Cultural and Social Significance:** Sports can serve as a mirror of society, reflecting values such as perseverance, hard work, and discipline. The score, in this context, helps to showcase these values and create a shared understanding of success and failure, providing a common language for participants and fans.

The Psychological Aspect: Motivation and Enjoyment

Why, then, do we keep the score? One major reason lies in psychology: scores provide motivation. They offer players, teams, and fans a clear marker of progress and achievement. Without a score, there is little to differentiate one effort from another, which may lead to a lack of engagement or drive.

For athletes, the score often serves as a tangible representation of success. Even those who play primarily for enjoyment or personal fulfillment will acknowledge that the thrill of winning or surpassing expectations is deeply gratifying. The challenge is in balancing this desire for success with the need to maintain perspective. If winning becomes an obsession, it can lead to stress, anxiety, and a diminished sense of enjoyment.

On the other hand, the emphasis on winning can sometimes overshadow the more intrinsic rewards of the game. While the score keeps players engaged and focused, the essence of play lies in the enjoyment of the activity itself—whether it's the joy of movement, the thrill of a well-executed play, or the camaraderie with teammates. In this sense, scores are merely a tool to structure the experience, not the defining measure of success.

Conclusion: The Score Is Just One Part of the Story

Ultimately, while “winning” may not be everything, the score does matter—it provides structure, motivation, and a way to measure progress. However, it should not be seen as the sole measure of success. The value of any game, competition, or sport extends far beyond the final tally. It's about how you engage with the process, how you respond to challenges, and how you grow as an individual or team.

As we continue to compete in various aspects of life, the important question may not be whether we win or lose, but whether we are enjoying the process, learning from the experience, and finding meaning in the journey—regardless of the score.

Name: Deepti Waldia

MBA 1st Semester

Smaller Businesses and Start-ups: A Gateway to Greater Professional Growth

In the world of business, large corporations often dominate the landscape, attracting professionals with promises of high salaries, well-defined career paths, and global recognition. However, in recent years, smaller businesses and start-ups have emerged as viable and exciting alternatives for professionals seeking dynamic growth opportunities. Despite the common perception that big businesses offer more structured career growth, smaller businesses and start-ups present unique advantages that can accelerate professional development, providing a range of opportunities that may be harder to come by in larger organizations.

This article explores why smaller businesses and start-ups offer more scope for professional growth and how individuals can capitalize on these opportunities to enhance their careers.

1. Broad Learning Opportunities

In smaller businesses and start-ups, employees often wear multiple hats. Unlike larger companies, where roles can be highly specialized, individuals in smaller businesses tend to take on a variety of tasks, giving them exposure to different aspects of the business. This multifaceted experience can accelerate learning and equip professionals with a wide range of skills. For example, an employee in a start-up might be responsible for everything from marketing and sales to customer service and product development. This can provide valuable insight into how different parts of the business operate and how they contribute to overall growth. Professionals in smaller companies gain a more comprehensive understanding of business operations, which can be incredibly useful for long-term career advancement.

Additionally, the diversity of roles can lead to the development of transferable skills, such as leadership, problem-solving, and adaptability. These skills are crucial for anyone looking to move up the professional ladder or transition into higher managerial roles.

2. Increased Responsibility and Autonomy

One of the most significant advantages of working in a smaller business or start-up is the increased responsibility and autonomy employees typically enjoy. In larger organizations, the hierarchy and well-established structures often result in employees being confined to specific tasks and departments. This can limit opportunities for innovation and creativity. In contrast, start-ups and smaller businesses often require employees to take ownership of their work and make independent decisions. This autonomy fosters entrepreneurial thinking and a sense of accountability, which are valuable qualities for personal and professional development. As employees become more trusted with important decisions, they learn to manage risk, lead projects, and think strategically—skills that can set them apart in future roles.

3. Closer Interaction with Leadership

In smaller businesses and start-ups, employees often have the opportunity to interact directly with the leadership team, including the founder or CEO. In large organizations, this kind of access to top-level management is rare, as employees typically report to middle managers who act as intermediaries between the workforce and leadership.

Direct interaction with leaders provides unique learning opportunities. Employees can observe firsthand how decisions are made at the top level, learn about the company's strategic goals, and receive valuable mentorship. This kind of exposure can be incredibly

beneficial for professionals looking to fast-track their growth, as they gain insights into leadership styles, business strategy, and decision-making processes.

Moreover, having the chance to build personal relationships with the leadership team can open doors for mentorship, career advice, and even networking opportunities, all of which can accelerate professional development.

4. Greater Impact and Visibility

In smaller businesses and start-ups, each employee's contribution is more visible and has a greater impact on the overall success of the company. In larger organizations, it's easy for individual contributions to get lost in the shuffle of a massive workforce. However, in a start-up or smaller company, even a single employee's success or failure can significantly influence the company's trajectory.

This heightened visibility provides professionals with a unique opportunity to stand out. Successfully leading a project, implementing a new initiative, or contributing to business growth can earn you recognition from your peers and leadership. This recognition can, in turn, open up opportunities for career advancement, promotions, and greater responsibilities.

Furthermore, smaller businesses tend to operate in more flexible and collaborative environments, meaning employees are often able to see the direct results of their hard work. This immediate feedback loop can boost job satisfaction and provide a sense of accomplishment.

Conclusion: A Platform for Growth and Development

Smaller businesses and start-ups offer unique opportunities for professional growth that large corporations often cannot provide. The diverse roles, increased responsibility, direct exposure to leadership, and the chance to make a real impact all contribute to a more dynamic and fulfilling career. For individuals seeking rapid professional growth, the chance to learn new skills, innovate, and rise through the ranks quickly, smaller businesses and start-ups present a compelling option.

While working in a start-up or smaller business may require greater flexibility, adaptability, and a willingness to embrace change, the rewards are significant. Professionals who are passionate about growth, eager to take on new challenges, and interested in making a difference will find that smaller businesses and start-ups provide an ideal environment to cultivate their careers.

Name: Vidhi Sharma

MBA 3rd Semester

Inner Spirituality

The thing which you feel somewhere inside the middle of your rib cage, is that what you can call is yours. Any other idea, feeling, or anything you can say even your imaginations are the reflection of the idea, what you get from the people living nearby. Only and the only thing which is yours is that feeling, that deep emotion which we normally ignored!!!

Point here is that doing simply things would not take you anywhere. There is a very famous opinion that, your destiny is written by almighty God! it is fixed and it can't be changed. What I personally believe on this, is that God give us a chance at a point where we can change our destiny, it is all about how we take that chance; we can totally waste that and choose the path what God is decided or at least once in a life try and take a risk and do whatever our heart says. I understand it is bit difficult to understand it, since I am an engineering student I will tell you this thing in my language. In our engineering syllabus we use a very common statement known as condition statement where we need to choose one, among the many options but the code will surely run! same here the thing will happen but output would be different for each case. Same is with that opinion thing. You cannot change anything but at least you can try for something better which you might not need to regret.

We humans are the bunch of best and worst thing collectively, but we humans are designed in a way that we can only see the negative part it takes us nearly one life to understand what we really our. Ever thought that why God throw out angel of light from heaven, what was the question he had asked to God that make him furious and kicked his own favorite son?

Answer of this question are easily available over internet. Now the real game comes in play what did you get from it...

Name: Maanya Verma

B.Tech AI&DS

Title: Dream Big, Rise Higher: Unlocking Your True Potential

Introduction:

Every great achievement starts with a dream. As college students, this is your time to imagine, create, and rise to your fullest potential. The journey might be tough, but within every challenge lies an opportunity to grow stronger and reach new heights.

1. Believe in Yourself:

You are capable of far more than you think. Confidence comes from action, not perfection. Start small, but dream big. Every step you take builds a stronger version of yourself.

2. Turn Failures into Fuel:

Success isn't about never failing; it's about bouncing back stronger. Each failure is a stepping stone to success. Learn from setbacks and let them propel you forward.

3. The Power of Discipline:

Motivation might get you started, but discipline keeps you going. Stay consistent with your goals, even on days when it feels tough. Your future self will thank you.

4. Find Purpose in the Journey:

Don't just aim for the destination—find joy in the process. Every lecture, assignment, or late-night study session is shaping you into the person you're destined to be.

5. Dare to Be Different:

Greatness doesn't come from following the crowd. Embrace your unique qualities and let your individuality shine. The world needs your voice and perspective.

Conclusion:

You are the architect of your own destiny. With passion, resilience, and hard work, there's nothing you can't achieve. Let every dream you have fuel your determination, and remember: the best is yet to come.

Name: Mohammad Sahil

B.Tech AI&DS

Rise and Shine

When the road ahead seems steep and long,
And all you hear is doubt's cold song,
Remember, within you burns a flame,
A spark of strength, a winning name.

The stars above once seemed so far,
Yet mankind reached and touched a star.
So why should dreams within your heart,
Seem like a goal too far to start?

Each stumble, fall, and tear you shed,
Is proof of the courage you've quietly bred.
For failure's not the end, you see,
It's just a step to victory.

Believe in the power of your stride,
Let hope and grit be your guide.
Rise each day with purpose clear,
And silence the whispers of fear.

You're stronger than the trials you face,
Each challenge helps you find your place.
So lift your head and claim your ground,
In you, a champion will be found.

Name: Parshant

B.Tech AI&DS

Embracing the Journey: Your Path to Greatness

Introduction:

College life is a bridge—a transition between who you were and who you're destined to become. It's not just about earning a degree; it's about discovering your strengths, overcoming your fears, and stepping into a world of limitless possibilities.

1. Dream Beyond Boundaries:

Every great achievement begins with a dream. Dare to dream big, even if it feels impossible.

2. Take Ownership of Your Life:

You are the author of your story. Don't wait for opportunities—create them. Don't let setbacks define you—learn from them.

3. Turn Struggles into Strength:

Every storm you weather adds to your resilience. Challenges are not here to break you but to teach you how strong you really are. Embrace failure as part of your learning process—it's proof that you're trying.

4. Focus on Progress, Not Perfection:

Perfection is a myth, but progress is real. Celebrate your small wins.

5. The Power of Gratitude:

Amid the chaos of deadlines and exams, take a moment to be grateful. Appreciate the friends who support you.

6. Be Unstoppable:

The world needs dreamers who take action. Whatever your passion—art, science, business, or social change—pursue it with relentless determination. When you face doubt, remind yourself: you are capable of greatness.

Conclusion:

Your journey is uniquely yours. Embrace the highs and lows, the victories and the lessons. This is your time to shine, to grow, and to make an impact. The world is waiting for the greatness within you—go out and claim it.

Name: Rohit Pal

B.Tech AI&DS

The Fire Within

There's a fire within, a spark in your soul,
A force so strong, it can make you whole.
Through storms and trials, it brightly glows,
Guiding your steps where greatness flows.

The path may be rough, the climb may be steep,
But dreams are treasures worth the leap.
Each stumble you take, each fall you face,
Is shaping your strength, building your grace.

Doubt may whisper, "You're not enough,"
But resilience rises when the journey is tough.
For within your heart lies endless might,
A power to turn darkness into light.

So rise with courage, let fear subside,
With hope as your compass, let faith be your guide.
The world awaits your brilliance to shine,
The fire within is your greatest design.

Name: Mohammad Sahil

B.Tech AI&DS

The Crimson Tide of College Days

The crimson tide of college days,
A surge of dreams, a vibrant haze.
Of lectures flown, and friendships made,
In halls of learning, shadows played.
The weight of books, a heavy load,
But minds ignited, spirits glowed.
With late-night crams, and coffee brews,
And dreams of futures, bold and new.
The campus buzz, a symphony,
Of laughter shared, and melody.
Of sports and clubs, a vibrant scene,
Where passions bloom, and hopes convene.
The world awaits, a canvas vast,
With challenges and joys amassed.
So let your spirit soar and fly,
Embrace the journey, reach for the sky.

This poem captures the essence of college life: the excitement, the challenges, the friendships, and the boundless possibilities that lie ahead.

Name: Pragti Aggarwal

B.Tech AI&DS

The Paradox of Life and Death

"Why is life so transient? Why do we struggle when we're going to die anyway? What's the purpose of life, caught between the cycle of birth and death? Why desire is considered a sin when we're encouraged to strive for heaven? You gave us desires, anger, and ego, but then why must we renounce them? What's the essence of life, is it just a game of win and lose? Is true love just a temporary attachment? Why is life so cruel, why do we have to leave everything behind? What's the point of reincarnation, why do we have to forget everything? Why do we cry for someone when we're going to forget them anyway? Why do we consider something as our own when nothing truly belongs to us? What's the difference between good and evil in this fleeting life?"

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Meaning of Life

I have a question why is living a status. When we die every day why is it common to break it. This is my question about the confusion between life and death. When greed is bad then wishing for heaven is also a sin..... When I got angry you made me feel good and gave me the sanskaar then tell me why it is a relief to be free from this. What is the meaning of life, is there victory and defeat. I got it and then destroyed it, this is true love. Who is mine, why have you tried so hard? Why have you sold your life like this, I have lost my own daughter by calling her wealth. I have committed sin and virtue, when I have to forget everything then I have killed everyone in 7 lives....whom have I come to get

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