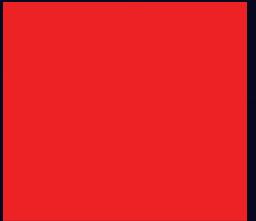
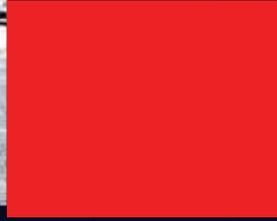




NEW HORIZON COLLEGE OF ENGINEERING



PROSPECTUS



Ganesha Vandana Shloka

Om Vakratunda Mahakaya Suryakoti Samaprabha |
Nirvighnam Kuru Me Deva Sarva-Kaaryeshu Sarvada ||

Meaning: Oh lord with curved trunk and massive appearance, whose splendor is equal to that of a billion suns, please bless me such that I do not face any obstacles in any of my endeavors anytime.





New Horizon College of Engineering is Ranked in
BAND - EXCELLENT
under Private Institutions Category 2021
by



RANKED #114
TOP 6 | TOP 10
UNDER ENGINEERING CATEGORY
IN BANGALORE | UNDER ENGINEERING CATEGORY
IN KARNATAKA
AS PER 2020
nirf NATIONAL INSTITUTIONAL
RANKING FRAMEWORK



Moment of Pride

Dr. Mohan Manghnani, Chairman, NHEI met Prime Minister Narendra Modi and donated a cheque of Rs. 5 Crores as a contribution towards Swachha Bharat Abhiyan.



Moment of Pride

New Horizon Educational and Cultural Trust received the prestigious 'Rajyotsava State Award 2012' conferred by the Government of Karnataka.



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- B.E. Artificial Intelligence & Machine Learning (AI & ML)
- **B.E. Computer Science & Engineering (Data Science)**
- B.E. Information Science & Engineering (ISE)
- **B.E. Computer Engineering (CE)**
- B.E. Electronics & Communication Engineering (ECE)
- **B.E. Electrical & Electronics Engineering (EEE)**
- B.E. Mechanical Engineering (ME)
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- New Horizon International School

New Horizon Educational Institution, one of Bengaluru's premier educational institutions, was established in 1970. NHEI has a long history of innovative education, with the vision and mission of providing holistic education to all of its students. New Horizon Educational Institution, strategically located in India's prestigious IT capital of Bengaluru, has grown by leaps and bounds. New Horizon Educational Institution is always striving for "excellence" and providing the kind of education that makes our country proud. The name "New Horizon" is synonymous with commendable performance, dedicated training, skill honing, manifestations of talents, character nurturing, and the development of a holistic personality. Seven high-performing institutions work under the umbrella of New Horizon Educational Institution to meet a student's educational needs from pre-primary to professional levels. Every institution here follows the New Horizon key philosophy, which encompasses two important things to succeed in life: the mission possible theory and the conviction that every problem has a solution. It is guided by a noble mission and a clear vision, inspired by the motto "in pursuit of excellence," and motivated by invaluable core values that ultimately create a complete human being.



▶ VISION

Our vision is to establish educational excellence centers that provide challenging learning environments that foster high expectations for success through knowledge creation, skill development, and value promotion.

▶ MISSION

New Horizon Educational Institution strives to provide an education that inspires students to achieve the highest levels of intellectual and personal development to become creative and caring future builders.

▶ GOAL

To uphold our reputation for being able to channel our human resources and guide the process of turning every individual's dream into a reality.

CHAIRMAN'S PERSPECTIVE

Dr. Mohan Manghnani

Chairman, New Horizon Educational Institution

Today, India has made a distinct mark in the global arena by providing professional education and significantly contributing to the world's knowledge bank. The modern era is rapidly emerging and evolving, and it is being driven by the astounding rate of advancements in technology and management across all sectors.

With these rapidly changing elements, it is critical to combine a strong value system with a knowledge-centric approach. And there is a need for leaders who are mentally, emotionally, socially, and intellectually capable of steering the future toward glorious achievements. This emphasizes the critical role of institutions in enriching the student community and, as a result, creating a better society and a better tomorrow for all stakeholders.

New Horizon Educational Institution believes that it is important to not only appreciate but also put into practice a set of sound values. Our institutions have adopted key innovative modes with a multidimensional approach for leading the wave to generate leaders, beyond mere professionals, who can bring about constructive change at all levels from time to time. It reaffirms the importance of combining ethics and knowledge to provide an ideal platform for higher education for a life formative education. Our institutions stand tall, taking great pride and satisfaction in all of their accomplishments and endeavors.

I extend a warm welcome to this temple of wisdom and learning, as well as a value-laden environment, for establishing successful professional career paths marked by unlimited resourcefulness and unrivaled knowledge of very high standards.





PRINCIPAL'S MESSAGE

Dr. Manjunatha

Principal, New Horizon College of Engineering

"Education is not about studying, Education is about learning"

A good teacher helps students understand, while a great teacher helps students realize. Students only become good professionals and great human beings after going through the cycle of studying, understanding, and realizing. We take great pride at New Horizon College of Engineering in providing our students with the best education possible.

At NHCE, we understand the importance of going above and beyond the curriculum to prepare our students for the workforce. NHCE has always been at the forefront of ensuring student employability. We realized that the curriculum needed to be updated based on the needs of the industries, to ensure this, we have chosen AUTONOMOUS STATUS, which is guaranteed to overcome all shortcomings in the affiliated stream.

Our institution offers three different undergraduate and post-graduate courses. These three programs: Global, Professional, and Executive have a plethora of certification programs and other soft-skill features that ensure students' industry readiness.

Extracurricular activities, such as sports and cultural activities, help to strengthen the learning process by teaching students the value of hard work, discipline, and fair play. We strongly encourage students to participate in these activities and showcase their talent.

New Horizon has been associated with a high-quality education for the past four decades. It is a well-known feature of our educational system that combines curricular, co-curricular, and extra-curricular learning, making New Horizon College of Engineering an excellent institute of higher learning!



ABOUT US

New Horizon College of Engineering, established in the year 2001, is an Autonomous college affiliated with Visvesvaraya Technological University (VTU), approved by the All India Council for Technical Education (AICTE) and the University Grants Commission (UGC), accredited by 'NAAC' with an 'A' grade, and an ISO 9001:2008 certified institution. The National Board of Accreditation has accredited all UG Courses (NBA). It is an ISO 9001:2008 certified organization.

It is situated in the heart of Bengaluru's IT capital. NHCE has a beautiful and peaceful campus that fosters personal and intellectual growth. The college campus is situated in Bengaluru's IT corridor, surrounded by MNCs and IT behemoths such as Intel, Accenture, Cap Gemini, ARM, Symphony, Wipro, Nokia, JP Morgan, and Cisco, to name a few.

The infrastructure serves as a facilitator for the curriculum's effective delivery. At NHCE, we recognize and value our role as educators. From the moment a student walks onto campus, they are encouraged to identify their strengths and select an area of functional specialization. This allows them to focus their efforts and energies on gaining a competitive advantage. NHCE inspires a passion for creative learning through a holistic approach to education that values intellectual pursuit, creativity, diversity, and community involvement.

▶ VISION

To become a preeminent institute in the fields of engineering, technology, and management, serving the industry and the nation by providing students with a high level of technical, managerial, and practical competence.

▶ MISSION

To improve the theoretical, practical, and ethical dimensions of the learning process by cultivating a research and innovation culture among faculty and students. Encourage long-term interaction between academia and industry by involving industry in the design of the curriculum and its hands-on implementation. Encourage participation in co-curricular and extracurricular activities to strengthen and mold students in professional, ethical, social, and environmental dimensions.

▶ VALUES

Academic Freedom
Integrity
Inclusiveness
Innovation
Professionalism
Social Responsibility

Achievements



- All UG programs are accredited by the National Board of Accreditation (NBA) and our programs Civil, CSE, ECE and ME are accredited under Tier -1 Washington Accord by NBA
- Accredited by NAAC with an 'A' Grade.
- No.1 in Karnataka for the Highest Projects Sanctioned by Karnataka State Council for Science and Technology
- Ranked as "Platinum Institution" by AICTE – CII Survey of Industry-Linked Technical Institutes 2020.
- Conferred with AICTE – Utkarsh Sansthan Vishwakarma Award 2020 (India Fights Corona) for the Financial Contribution provided by the Institution/Faculty/Students towards the relief fund against the spread of COVID-19 across India.
- Ranked 114 amongst the Top Engineering Colleges across India, as per the National Institutional Ranking Framework (NIRF 2020) Rankings, announced by MHRD, Govt.of India
- Ranked 6th-25th (Band "A") in ARIIA-Atal Ranking of Institutions on Innovation Achievements (MHRD) under the Private Institutions Category for the year 2020.
- Ranked as "PLATINUM INSTITUTION" by AICTE – CII Survey of Industry-Linked Technical Institutes 2020.
- Honored with the distinguished "Excellence in Providing Preferred Environment For Campus Placements" award by ASSOCHAM in 2020.
- Honored with the distinguished "B-School Providing Preferred Environment For Campus Placements" award by ASSOCHAM in 2020.
- Honored with the distinguished "Most Preferred Institute for Providing Global Exposure" award by ASSOCHAM in 2020.
- The First Institution to achieve the rare honor of filing 201 Patents in 3 Years in India and the World
- Recognised in the Band - "Excellent" under the category "Colleges/Institutes (Private/Self Financed) (Technical)" by Atal Ranking of Institutions on Innovation Achievements (ARIIA).

Benefits of Being Autonomous

Academic Freedom: The Autonomous Status accords an institution with the freedom to frame the syllabus and customize it as per the needs of the Industry. Students are taught the latest and relevant technologies to make them competent in the market. Experts from various industries and experienced academicians from reputed institutes are consulted in the process of framing the syllabus. Dedicated efforts are made to ensure that the syllabus framed is “Employment Centric” and potentially lucrative. The autonomous status has helped us to establish Centers of Excellence by: Adobe, VMware, SAP and HP. The Centers of Excellence help us incorporate state-of-the-art curriculum that is directly from the industry. We have already incorporated courses from Automation Anywhere, Capgemini, Cisco, Vertica, Sap, Next-gen, IBM OpenPower, Schneider Electric, VMware and Quest Global to render our curriculum more industry-centric. Out of the 275 modules taught under the autonomous scheme, 195 modules have been identified as the ones which are relevant to the industry. Fifty One (51) experts from the industry have been empanelled to teach various subjects across all our departments.

Choice-Based Credit System (CBCS): New Horizon College of Engineering follows the ‘Choice Based Credit System’. CBCS has numerous advantages over the conventional system. Rather than evaluating student-performance using marks and percentages, which many a time can be inconsistent and unfair, CBCS uses Grades and Grade Point Averages (GPA) to evaluate student-performance. Using Grades and GPAs instead of marks and percentages provides a more holistic metric to measure student-performance.

Better Subject Choice and Electives: The earmarking feature of CBCS is that students, in addition to studying core subjects from their branch, can also choose from a wide range of elective subjects from other branches, i.e. students from non circuit branches (Mechanical, Automobile, Biotechnology and Civil) can opt for electives offered by the circuit branches (Computer Science, Information Science, Electronics & Communication and Electrical & Electronics) and vice versa. This way CBCS seamlessly incorporates and encourages an interdisciplinary approach towards higher education, which is adopted by top Universities across the world.

Employability Becomes Easier: In today's competitive marketplace, there is a huge demand for proficient technical and management professionals. Practical training and a curriculum meticulously framed to meet the requirements of the job market are imparted to the students to make them readily employable. The overall syllabus is framed in such a way that students get to study more than 2 labs per semester, which in turn helps them gain more practical knowledge. In addition to this, hands-on project (which is an important part of the curriculum) plays a vital role in making students ‘employment ready’.

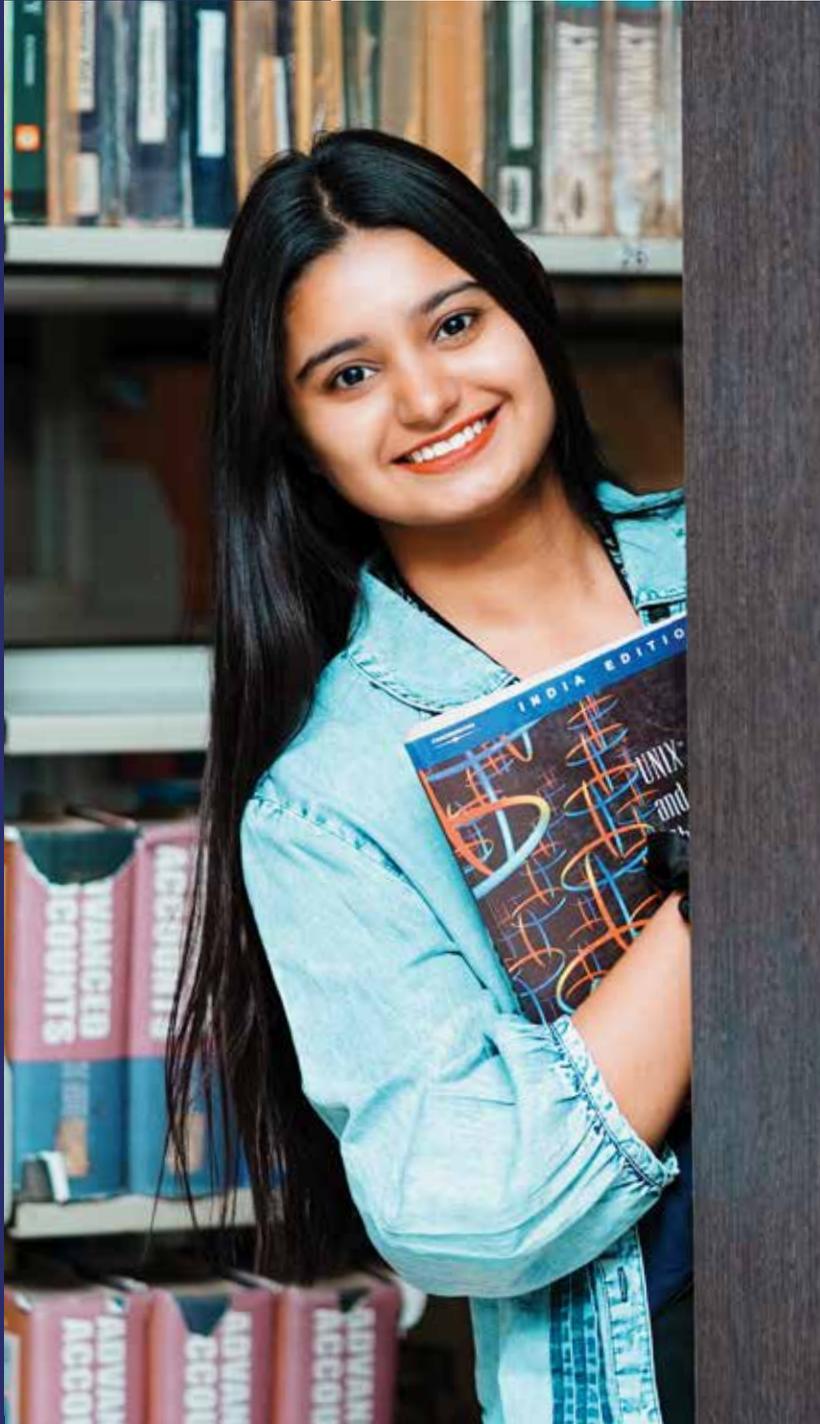
Examinations: Equal weightage is accorded to both internal and final exams. Both the internal and the final exams are conducted by the college.

Make-up Examination: Students who fail to attend the final examination due to justifiable reasons have a provision to take ‘The Make-Up Examination’ immediately after the semester results are declared. This feature of autonomy is extremely beneficial to students since they can clear their back-logs immediately, rather than carry it forward to the next year.

Fast Track Semester & Examination: This facility is provided to assist slow-learners and students who have failed in one or more subjects, to help them avoid losing one entire academic year. Fast Track classes are conducted and Examination is held at the end of each academic year.

Internships: Students are provided with multiple opportunities to intern at various Industries and MNC R&D Laboratories during their vacation for grooming and becoming industry-ready.

Degree: Students graduating from New Horizon College of Engineering (Autonomous) are awarded with a ‘DEGREE’ from Visvesvaraya Technological University (VTU), Karnataka.



Programmes Offered

MAJOR DEGREE

▶ UG PROGRAMS (4 YEARS)

- B.E. Computer Science & Engineering
- B.E. Artificial Intelligence & Machine Learning
- B.E. Computer Science & Engineering (Data Science)
- B.E. Information Science & Engineering
- B.E. Computer Engineering
- B.E. Electronics & Communication Engineering
- B.E. Electrical & Electronics Engineering
- B.E. Mechanical Engineering
- B.E. Civil Engineering

▶ PG PROGRAMS (2 YEARS - 4 SEMESTERS)

- Master of Business Administration (MBA)
- Master of Computer Applications (MCA)
- M.Tech Computer Science & Engineering (CSE)

▶ RESEARCH PROGRAMS

Ph. D/M. Sc (Engg) in AU, CSE, ECE, EEE, ISE, ME, Civil, Maths, Physics, Chemistry, Computer Applications, and Management Studies.

▶ ELIGIBILITY CRITERIA

B.E

The applicant must have passed the 2nd PUC/12th standard examination from the Karnataka Board or any other Recognized Board or its equivalent, with Physics and Mathematics as compulsory subjects. A minimum of 45 percent in Physics, Math, and one of the following subjects: Chemistry, Biology, Computer Science, or Electronics. English is a compulsory subject.

In the case of candidates from SC/ST/other backward classes, the minimum qualifying marks will be an aggregate of 40% in the optional subjects in the qualifying examinations.

ACADEMIC SCHOLARSHIP

I YEAR BE PROGRAMS		
DESCRIPTION	NEW HORIZON PU STUDENTS	STUDENTS FROM OTHER SCHOOLS AND COLLEGES
Above 85% in II PUC/12 th std	Rs. 25,000/-	Rs. 20,000/-

CET CATEGORY (1 YEAR BE PROGRAMS)

DESCRIPTION	ELIGIBILITY
The candidates who represented the country at Asian Games/Common Wealth Games, Olympic Games and International Meets	100% Concession on Tuition Fee
The candidates who represented National Games, National Champions, All India Inter Zonal Meets Inter University (at National Level) National Tournaments & Champions	75% Concession on Tuition Fee
The candidates who represented State & won medals in Individual & Team Events (Organized by the Department of State Associations and National Federations)	50% Concession on Tuition Fee

DESCRIPTION	ELIGIBILITY
CET rank below 1000	100% Concession on Tuition Fee
CET rank From 1001 to 3000	50% Concession on Tuition Fee
CET rank From 3001 to 5000	25% Concession on Tuition Fee

I YEAR MCA PROGRAMS		
DESCRIPTION	NEW HORIZON STUDENTS	STUDENTS FROM OTHER SCHOOLS AND COLLEGES
Above 75 % In Degree	Rs. 20,000/-	Rs. 15,000/-

SPORTS SCHOLARSHIP

I YEAR BE, MCA PROGRAMS		
DESCRIPTION	NEW HORIZON STUDENTS	STUDENTS FROM OTHER SCHOOLS AND COLLEGES
National Level Winner or Best Player	Rs. 25,000/-	Rs. 20,000/-
State Level Winner or Best Player	Rs. 20,000/-	Rs. 15,000/-

**THE BEST WAY TO PREDICT
THE FUTURE IS TO CREATE IT**



01

MINOR DEGREE IN ENGINEERING PROGRAMS

INTRODUCTION

“With a view to enhance the employability skills and impart deep knowledge in emerging areas which are usually not being covered in Undergraduate Degree credit frameworks, AICTE has come up with the concept of ‘Minor Degree’ in emerging areas”

OBJECTIVES OF A MINOR DEGREE

- Encouraging advanced levels of study and multidisciplinary learning
- Specialize in a focused area of interest
- Learn new skills and methodologies about an area of interest
- Enable personal creativity and passion
- Cultivate a sustaining interest in advanced education and research
- Enhance professional development leading to guaranteed employment
- Provide opportunity to gain recognition at the time of graduation for advanced and distinguished work.

INTERDISCIPLINARY APPROACH OF STUDY

Students pursuing their primary degree program in Engineering (B.E/B.Tech) have the opportunity to:

- Study one additional Minor course in Engineering
- Enhance their interdisciplinary experience
- Get exposure to concepts and perspectives beyond their regular degree program.

After completing the additional Minor Degree Program

- Students shall be able to better understand the Engineering applications in other emerging areas of his/her interest.

02

MINOR DEGREE IN ENGINEERING PROGRAMS

MAJOR DEGREES OFFERED BY NHCE

Bachelor of Engineering (BE)

- Artificial Intelligence & Machine Learning
- Civil Engineering
- Computer Science & Engineering
- Computer Engineering
- Electrical & Electronics Engineering
- Computer Science & Engineering (Data Science)
- Electronics & Communication Engineering
- Information Science & Engineering
- Mechanical Engineering

LIST OF MINOR DEGREES OFFERED 18 TO 20 CREDITS

Proposed Minor Degree

- Artificial Intelligence/Artificial Intelligence & Machine Learning
- Data Science
- Internet of Things (IoT)
- VLSI (Very large Scale Integration)
- Digital Marketing
- Human Resource Management
- Robotics and Automation
- Fin-tech

ELIGIBILITY & RULES FOR MINOR DEGREE

- Students can select a minor degree course from any other department apart from their major. Eg: A student can have a major degree in Mechanical Engineering and a minor in Digital Marketing
- The Student should have a Minimum 5 CGPA up to 4th Semester in their major degree with no Backlogs.
- Student willing to opt for a minor degree has to register before the starting of the 5th Semester (Information will be shared during the 4th semester).
- The Student has to complete additional courses from other discipline of their interest, which are specified in the respective discipline amounting to 18 credits

03

MINOR DEGREE IN ENGINEERING PROGRAMS

PROPOSED LIST OF MINOR DEGREES OFFERED

Course Structure

SI.No.	OFFERING DEPARTMENT	MINOR DEGREE	DEPARTMENT WHO CAN PURSUE	In Association with Industries
1	AI & ML	Artificial Intelligence/Artificial intelligence & machine learning	EEE, ECE, ME, CIVIL	Mindtree
2	CSE	Digital marketing	ME, EEE, ECE, CIVIL, CE	Operative Media
3	ISE	Data science	ME, EEE, CIVL	MU Sigma
4	AI & ML	Internet of things (IOT)	ME, EEE, ECE, CIVIL	Capegemini
5	ECE	VLSI (Very large Scale Integration)	ISE, CSE, EEE, ME, CIVIL, CE, AI, ML	Capegemini
6	MBA	Human resource Management	ISE, CSE, EEE, ME, CIVIL, CE, AI, ML, ECE	Rakuten
7	MBA	Fin-Tech	ISE, CSE, EEE, ME, CIVIL, CE, AI, ML, ECE	Phone Pe, Justpay
8	ME	Robotics & Automation	ISE, CSE, EEE, CE AI & ML, ECE	Automation Anywhere



COMPUTER SCIENCE & ENGINEERING

01

COMPUTER SCIENCE & Engineering

The Computer Science and Engineering department strives to provide the students with an understanding of Computer Science concepts & Engineering tools and to equip the students with analytical, design and communication skills necessary to build computing systems.

▶ VISION

To emerge as a department of eminence in Computer Science and Engineering in serving the Information Technology Industry and the nation by empowering students with a high degree of technical and practical competence.

▶ MISSION

- To strengthen the theoretical and practical aspects of the learning process by strongly encouraging a culture of research, innovation and hands-on learning in Computer Science and Engineering
- To encourage long-term interaction between the department and the IT industry, through the involvement of the IT industry in the design of the curriculum and its hands-on implementation.
- To widen the awareness of students in professional, ethical, social and environmental dimensions by encouraging their participation in co-curricular and extracurricular activities.

▶ SKILLS INVOLVED:

Students of this programme acquire extensive programming & analytical skills in advanced computing domains beyond the academic curriculum to meet industry expectations. They are also given hands on training with the various operating systems. They are able to inculcate unique skills to design and develop optimistic solutions with the highest quality and standards to resolve engineering problems and issues. Special skills which are required for scientific and research applications are also developed here. By getting trained and acquiring skills in this branch of engineering, students get qualified to avail numerous job opportunities in India and abroad.

▶ CAREER SCOPE

There is unlimited scope for computer science engineers. Career opportunities include developing software systems for diverse range of applications such as User Interfaces, Networks, Databases, Defence applications, Data-mining and Warehousing, WWW support, Satellite systems, Artificial Intelligence, Neural networks, Financial institutions, Biometrics, Quality Product Manufacturing, Forecasting, Medical communications, Embedded systems, Data Analytics, IOT etc

▶ A BRIEF COURSE OVERVIEW

The department of Computer Science and Engineering offers courses which are in keeping with the current trends in technology. Some of the courses that are offered are in Machine Learning, Big Data & Data Analytics, A.I., Unix System Programming, UIS, Cloud Computing Java along with fundamental core courses like Object Oriented concepts, ARM Microprocessors & Compute organization, Operating System, System Software, Networking, Python with Machine Learning, Datamining, Internet of Things, Soft Computing, etc.

ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

STREAMS: G-GLOBAL, P-PROFESSIONAL

		G	P	SEM
1.	B.E Degree (Visvesvaraya Technological University)	✓	✓	I-VIII
2.	Student Network Development Initiative: Computer Society of India (CSI) Membership/IEEE Membership	✓	✓	III-VIII
3.	Student Industry-Institute Initiative: Industrial Visit	✓	✓	III-VIII
4.	Student Enrichment Initiative: Guest lectures by eminent industry experts	✓	✓	III-VIII
5.	Student Enrichment Initiative: Organizing workshops on recent trends	✓	✓	III-VIII
6.	Student Development Initiative: Technical Students Symposium/Conferences	✓	✓	III-VIII
7.	Organizing seminars on recent developments	✓	✓	III-VIII
8.	Enabling & encouraging students to participate & present papers in National & International Seminars/Conferences	✓	✓	III-VIII
9.	Resume writing workshop (Industry Oriented)	✓	✓	VI-VIII
10.	Student Career Support Initiative: Placement Training	✓	✓	VI-VIII
11.	Student Development Initiative: Coaching & remedial classes	✓	✓	I-VIII
12.	Student Competiveness Development Initiative (Intra College): Enabling & encouraging students to prepare & participate in various In-house competitions	✓	✓	I-VIII
13.	Student Competiveness Development Initiative (Inter College): Enabling & encouraging students to prepare & participate in various Inter-Collegiate & Inter University competitions	✓	✓	I-VIII
14.	Student Development Initiative: Mentoring	✓	✓	I-VIII
15.	Student Special Initiative: Mock viva-voce	✓	✓	I-VIII
16.	Student Development Initiative: Professional Student counseling	✓	✓	I-VIII
17.	Student Support Initiative: Guidance for Education loans & bank formalities	✓	✓	I-VIII
18.	Enabling & encouraging students to prepare and appear for NPTEL MOOC certification course	✓	✓	I-VIII
19.	Student club activities	✓	✓	I-VIII

GLOBAL AND PROFESSIONAL SKILL INCREMENTAL PROGRAM (BY INDUSTRY EXPERTS)

20.	Ethical Hacking	✓	✗	III-IV
21.	Data Analytics using R	✓	✗	IV-V
22.	Java full stack-1	✓	✗	V-VI
23.	Java full stack-2	✓	✗	VI-VII
24.	Certification Program in Devops	✓	✗	VII-VIII
25.	International Student Exchange Program*	✓	✓	VII-VIII
26.	International Education Tour**	✓	✓	VII-VIII

NOTE: * International student exchange program is offered to meritorious students at actual cost | **International Educational tour is offered to global students at actual cost

TESTIMONIALS

Ranjitha AR

BE-CSE, 2022 BATCH, PLACED AT BRILLIO WITH 7.5 CTC

My sincere appreciation & gratitude to the Training & Placement Department and all staffs of CSE branch for their efforts in imparting quality technical and aptitude training. I am very grateful to them for effectively and sincerely helping me to grab the wonderful opportunity.



Shifa Fathima

BE-CSE, 2022 BATCH, PLACED AT ACCENTURE AND COGNIZANT

New Horizon College Of Engineering ,offers a blend of learning, enjoyment and extracurricular activities ,I want to thank my CSE Department for providing me with a wide scope of learning and helping me and guiding me during the placement by providing good quality training in programming and coding and overall My sincere appreciation and gratitude to the Placement Department for their efforts in imparting quality technical and aptitude training.I am Very Thankful to all staff of NHCE for supporting and guiding me in every step.



Joel Cherianthanathu Chacko

BE-CSE, 2022 BATCH

I'll take this opportunity to formally thank my College 'New Horizon College of Engineering' for the constant assistance and guidance it was provided me over the past four years which mademe realize and make the most of my potential, both academically and in terms of extracurricular activities. Which helped me to get a Job Opportunity in Lowe's Services india Pvt .Ltd . All this success is a reality now only because of my family, my friends and all the teachers of CSE and HRD departments .

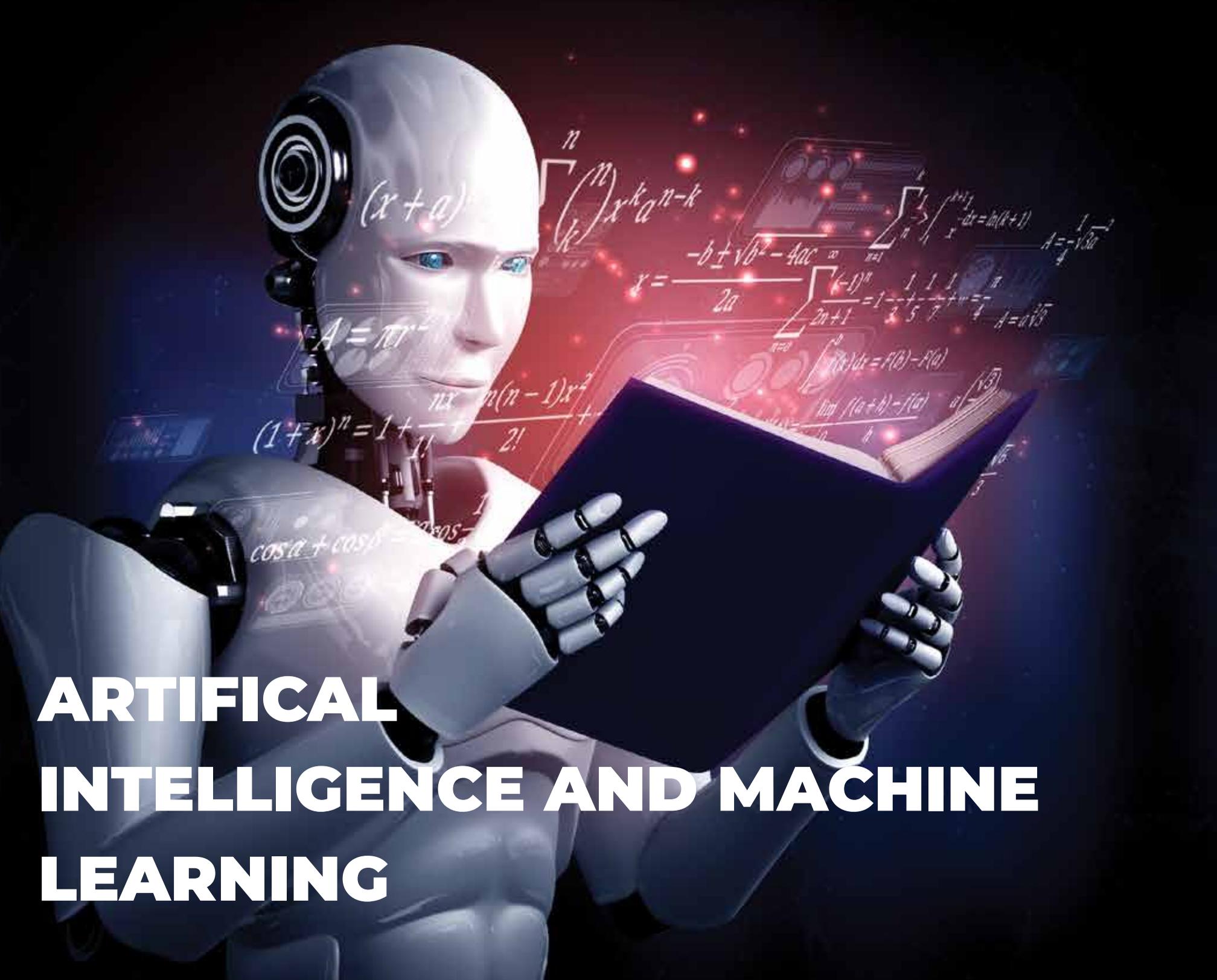


Madiha Sehar

BE-CSE, 2022 BATCH, Placed AT IBM

NHCE has simply brilliant placements. It brings huge number of companies with good packages to the table. It further provides opportunities for the students to indulge oneself in more than one placement process. To jot down, if you hold the right skills, then NHCE is the best platform to help you station at right company to give wings to your skills!





$$(x+a)^n = \binom{n}{k} x^k a^{n-k}$$
$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$
$$A = \frac{1}{4} \sqrt{3a}$$
$$\int x^k dx = \frac{x^{k+1}}{k+1}$$
$$\int \frac{1}{x} dx = \ln|x|$$
$$\lim_{h \rightarrow 0} \frac{f(a+h) - f(a)}{h} = f'(a)$$
$$\cos a + \cos b = 2 \cos \frac{a+b}{2} \cos \frac{a-b}{2}$$
$$(1+x)^n = 1 + nx + \frac{n(n-1)}{2!} x^2 + \dots$$
$$\sum_{n=0}^{\infty} \frac{(-1)^n}{2n+1} = 1 - \frac{1}{3} + \frac{1}{5} - \frac{1}{7} + \dots = \frac{\pi}{4}$$
$$A = a \sqrt{3}$$

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

02

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Artificial Intelligence & Machine Learning (AI & ML) is the broader concept of machines being able to perform tasks in a "smart" way. These are currently the hottest topics and most sought-after disciplines in both industry and academia. Several corporations, including Microsoft, Tesla, Google, AMAZON, NVIDIA, Sony, and Samsung, have incorporated this concept into their systems. The Department of AI & ML's goal is to provide high-quality curricular and co-curricular services so that students can understand the concepts and integrate their skills to add value to the global corporate and domestic communities and make a positive impact on people's lives.

▶ VISION

To develop an outstanding AI and ML professionals with profound practical, research & managerial skills to meet ever changing Industrial Social and Technological needs of the Society

▶ MISSION

- To disseminate strong theoretical and practical exposure to meet the emerging trends in the industry.
- To promote a freethinking environment with innovative research and teaching-learning pedagogy.
- To develop value based socially responsible professionals with high degree of leadership skills will support for betterment of the society.

▶ CAREER SCOPE

AI and machine learning are currently two of the most important aspects of the technological revolution. From self-driving cars to advanced IBM Watson in healthcare, we can already see the buds sprouting. As a result, a BE in AI & ML is the most promising, future-ready degree you can pursue. This single technology will have a significant impact on several leading industries, including aviation, logistics, management, finance, engineering, education, research, neural networks, signal processing, and data mining.

▶ CAREER OPPORTUNITIES

Artificial Intelligence Engineer
Machine Learning Engineer
Deep Learning Engineer
Big Data Engineer
Data Scientist
Business Intelligence Developer
Research Scientist
AI Data Analyst
Robotics Scientist
Software Engineer



ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

▶ **INFRASTRUCTURE AND FACILITY:**

The Department has well-equipped laboratories such as Altair Engineering provides the resources they need to help educators develop core computing knowledge and skills aligned to industry standards and using current technologies like Data Science, AI, and ML

The IBM OPEN power Lab uses IBM POWER9 processor based Server aims to meet the challenging needs of industry, academia, and society in the world of artificial intelligence (AI), machine learning (ML) and deep learning (DL) are identified, AI based hardware and or software systems and support from IBM.

The Oracle Academy Lab provides various courses offered by Oracle academy aims to enrich the skills of faculty and students for the changing needs of industry, academia, and society in the world of artificial intelligence (AI), machine learning (ML) and data science(DS).

▶ **BENEFITS OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING AFTER COMPLETING A DEGREE IN THE FUTURE:**

- Due to the use of AI in various fields lot of job opportunities are created in all the sectors.
 - Opportunities for research, innovation and creativity.
 - Opportunities for Entrepreneur.
 - Opportunity to protect civil liberty and fight against cybercriminals.
 - Making a positive impact in the growth of changing world.
- 

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

STREAMS: G-GLOBAL, P-PROFESSIONAL

		G	P	SEM
1.	B.E Degree (Visvesvaraya Technological University)	✓	✓	I-VIII
2.	Student Network Development Initiative: Computer Society of India (CSI) Membership/IEEE Membership	✓	✓	III-VIII
3.	Student Industry-Institute Initiative: Industrial Visit	✓	✓	III-VIII
4.	Student Enrichment Initiative: Guest lectures by eminent industry experts	✓	✓	III-VIII
5.	Student Enrichment Initiative: Organizing workshops on recent trends	✓	✓	III-VIII
6.	Student Development Initiative: Technical Students Symposium/Conferences	✓	✓	III-VIII
7.	Organizing seminars on recent developments	✓	✓	III-VIII
8.	Enabling & encouraging students to participate & present papers in National & International Seminars/Conferences	✓	✓	III-VIII
9.	Resume writing workshop (Industry Oriented)	✓	✓	VI-VIII
10.	Student Career Support Initiative: Placement Training	✓	✓	VI-VIII
11.	Student Development Initiative: Coaching & remedial classes	✓	✓	I-VIII
12.	Student Competiveness Development Initiative (Intra College): Enabling & encouraging students to prepare & participate in various In-house competitions	✓	✓	I-VIII
13.	Student Competiveness Development Initiative (Inter College): Enabling & encouraging students to prepare & participate in various Inter-Collegiate & Inter University competitions	✓	✓	I-VIII
14.	Student Development Initiative: Mentoring	✓	✓	I-VIII
15.	Student Special Initiative: Mock viva-voce	✓	✓	I-VIII
16.	Student Development Initiative: Professional Student counseling	✓	✓	I-VIII
17.	Student Support Initiative: Guidance for Education loans & bank formalities	✓	✓	I-VIII
18.	Enabling & encouraging students to prepare and appear for NPTEL MOOC certification course	✓	✓	I-VIII
19.	Student club activities	✓	✓	I-VIII

GLOBAL AND PROFESSIONAL SKILL INCREMENTAL PROGRAM (BY INDUSTRY EXPERTS)

20.	Power BI & IOT	✓	✗	III-IV
21.	Machine Learning	✓	✗	IV-V
22.	Data Visualization	✓	✗	V-VI
23.	Understanding Blockchain	✓	✗	VI-VII
24.	Data Engineering in Cloud	✓	✗	VII-VIII
25.	International Student Exchange program*	✓	✓	VII-VIII
26.	International Education Tour**	✓	✓	VII-VIII

NOTE: * International student exchange program is offered to meritorious students at actual cost | **International Educational tour is offered to global students at actual cost

COMPUTER SCIENCE & ENGINEERING (DATA SCIENCE)



03

COMPUTER SCIENCE & ENGINEERING (DATA SCIENCE)

B.E. in Computer Science & Engineering (Data Science) is a path to mastering CSE in the subject of Data Science through the use of Machine Learning Techniques. This course will help students comprehend and grasp CSE while also preparing them to become experts in Data Science, one of the most rapidly growing fields of computer science and one of the most paid in the market.

▶ VISION

To emerge as a department of eminence in Computer Science and Engineering in serving the Information Technology Industry and the nation by empowering students with a high degree of technical and practical competence.

▶ MISSION

- To strengthen the theoretical and practical aspects of the learning process by strongly encouraging a culture of research, innovation and hands-on learning in Computer Science and Engineering
- To encourage long-term interaction between the department and the IT industry, through the involvement of the IT industry in the design of the curriculum and its hands-on implementation.
- To widen the awareness of students in professional, ethical, social and environmental dimensions by encouraging their participation in co-curricular and extracurricular activities.

▶ CAREER OPPORTUNITIES

Opportunities are provided by the Companies like Google, Microsoft, Face Book, Twitter, Instagram, Cisco, Amazon, Oracle and others which are the major users of Data Science.

▶ FACILITIES

- Smart Classroom
- Data Science Lab
- Machine learning lab
- R Programming lab
- Data Visualization Lab
- Data Structures and Database Lab



COMPUTER SCIENCE & ENGINEERING (DATA SCIENCE)

▶ DATA SCIENCE APPLICATIONS

- Tactical Optimization (Improving marketing campaigns, Business Process)
- Predicted Analytics (forecast of demand and events)
- Recommendation Systems (Like those of Amazon and Netflix)
- Automatic Decision Making System(Like face recognition and Drones)
- Social Research (processing of Questionaries)
- Health care
- Crime and Fraud detection

▶ CAREER OPPORTUNITIES:

- Data Scientist
 - Machine learning Engineer
 - Software Engineer
 - Data Architect and Administrators
 - Data Engineer
 - Statisticians and Mathematicians
 - Business Analyst
 - Data Engineer/Architect
 - Database Developer
 - Data Analyst
 - Research Scientist
 - Marketing Analyst
 - Clinical Data Managers
- 

COMPUTER SCIENCE & ENGINEERING (DATA SCIENCE)

ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

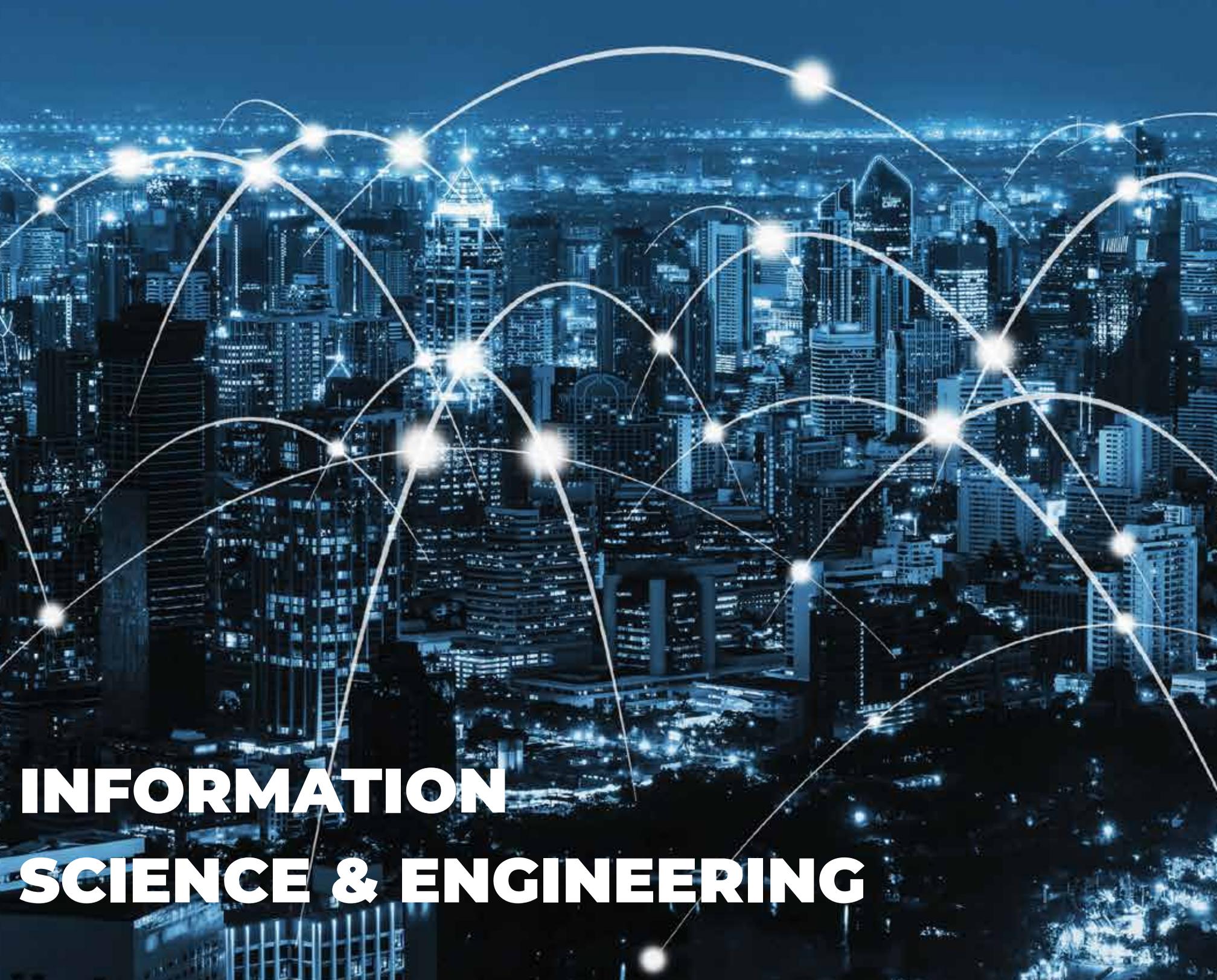
STREAMS: G-GLOBAL, P-PROFESSIONAL

		G	P	SEM
1.	B.E Degree (Visvesvaraya Technological University)	✓	✓	I-VIII
2.	Student Network Development Initiative: Computer Society of India (CSI) Membership/IEEE Membership	✓	✓	III-VIII
3.	Student Industry-Institute Initiative: Industrial Visit	✓	✓	III-VIII
4.	Student Enrichment Initiative: Guest lectures by eminent industry experts	✓	✓	III-VIII
5.	Student Enrichment Initiative: Organizing workshops on recent trends	✓	✓	III-VIII
6.	Student Development Initiative: Technical Students Symposium/Conferences	✓	✓	III-VIII
7.	Organizing seminars on recent developments	✓	✓	III-VIII
8.	Enabling & encouraging students to participate & present papers in National & International Seminars/Conferences	✓	✓	III-VIII
9.	Resume writing workshop (Industry Oriented)	✓	✓	VI-VIII
10.	Student Career Support Initiative: Placement Training	✓	✓	VI-VIII
11.	Student Development Initiative: Coaching & remedial classes	✓	✓	I-VIII
12.	Student Competiveness Development Initiative (Intra College): Enabling & encouraging students to prepare & participate in various In-house competitions	✓	✓	I-VIII
13.	Student Competiveness Development Initiative (Inter College): Enabling & encouraging students to prepare & participate in various Inter-Collegiate & Inter University competitions	✓	✓	I-VIII
14.	Student Development Initiative: Mentoring	✓	✓	I-VIII
15.	Student Special Initiative: Mock viva-voce	✓	✓	I-VIII
16.	Student Development Initiative: Professional Student counseling	✓	✓	I-VIII
17.	Student Support Initiative: Guidance for Education loans & bank formalities	✓	✓	I-VIII
18.	Enabling & encouraging students to prepare and appear for NPTEL MOOC certification courses	✓	✓	I-VIII
19.	Student club activities	✓	✓	I-VIII

GLOBAL AND PROFESSIONAL SKILL INCREMENTAL PROGRAM (BY INDUSTRY EXPERTS)

20.	Image Processing	✓	✗	III-IV
21.	Machine Learning	✓	✗	IV-V
22.	Data Visualization	✓	✗	V-VI
23.	Understanding Blockchain	✓	✗	VI-VII
24.	Data Engineering in Cloud	✓	✗	VII-VIII
25.	International Student Exchange program*	✓	✓	VII-VIII
26.	International Education Tour**	✓	✓	VII-VIII

NOTE: * International student exchange program is offered to meritorious students at actual cost | **International Educational tour is offered to global students at actual cost



INFORMATION SCIENCE & ENGINEERING

04

INFORMATION SCIENCE & ENGINEERING

Information Science and Engineering are concerned with the gathering, categorizing, strategizing, and storing of information. It is an interdisciplinary field that focuses on information analysis, manipulation, retrieval, movement, and dissemination. NHCE promotes the development of skills in students to help them achieve a higher level of knowledge, global competency, and excellence for the benefit of society.

▶ VISION

To emerge as a Department of eminence in Information Science and Engineering in serving the Information Technology industry and the nation by empowering students with a high degree of technical and practical competence.

▶ MISSION

- To strengthen the theoretical, practical and ethical dimensions of the learning process by continuous learning and establishing a culture of research and innovation among faculty members and students, in the field of Information Science and Engineering.
- To build long-term interaction between the academia and Information Technology industry, through their involvement in the design of curriculum and its hands-on implementation.
- To strengthen and mould students in professional, ethical, social and environmental dimensions by encouraging participation in co-curricular and extracurricular activities.

▶ OBJECTIVES AND ACTIVITIES

- To achieve excellent quality education standards while keeping up with rapidly changing technologies.
- To develop a student into an effective team player, team leader, excellent visionary, and, most importantly, a capable human being.
- To develop competent and well-trained information technology professionals
- To provide high-quality, value-based education and thus satisfy all stakeholders.
- To implement new developments in information management

▶ CAREER SCOPE

Graduates of Information Science and Engineering can expect to find professional opportunities in IT and other allied industries in areas such as system analysis, design, development, support, mobile, and distributed application development, web/e-commerce development, database administration, and computer hardware, networking, education, and training.

▶ A BRIEF COURSE OVERVIEW

The following Career path proposed through the curriculum: Data Science Engineers - Advanced Artificial intelligence - Network Engineers - Software Development Engineers - - Scope for Higher Studies

ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

STREAMS: G-GLOBAL, P-PROFESSIONAL

		G	P	SEM
1.	B.E Degree (Visvesvaraya Technological University)	✓	✓	I-VIII
2.	Student Network Development Initiative: Computer Society of India (CSI) Membership/IEEE Membership	✓	✓	III-VIII
3.	Student Industry-Institute Initiative: Industrial Visit	✓	✓	III-VIII
4.	Student Enrichment Initiative: Guest lectures by eminent industry experts	✓	✓	III-VIII
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6.	Student Development Initiative: Technical Students Symposium/Conferences	✓	✓	III-VIII
7.	Organizing seminars on recent developments	✓	✓	III-VIII
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14.	Student Development Initiative: Mentoring	✓	✓	I-VIII
15.	Student Special Initiative: Mock viva-voce	✓	✓	I-VIII
16.	Student Development Initiative: Professional Student counseling	✓	✓	I-VIII
17.	Student Support Initiative: Guidance for Education loans & bank formalities	✓	✓	I-VIII
18.	Enabling & encouraging students to prepare and appear for NPTEL MOOC certification course	✓	✓	I-VIII
19.	Student club activities	✓	✓	I-VIII

GLOBAL AND PROFESSIONAL SKILL INCREMENTAL PROGRAM (BY INDUSTRY EXPERTS)

20.	Cisco Certified Network Associate (CCNA)	✓	✗	III-IV
21.	Amazon Web Services (AWS)	✓	✗	IV-V
22.	Cyber Security Course	✓	✗	V-VI
23.	Robotic Process Automation (RPA)	✓	✗	VI-VII
24.	Full Stack web Development Course	✓	✗	VII-VIII
25.	International Student Exchange program*	✓	✓	VII-VIII
26.	International Education Tour**	✓	✓	VII-VIII

NOTE: * International student exchange program is offered to meritorious students at actual cost | **International Educational tour is offered to global students at actual cost

TESTIMONIALS

Vismaye M

BE-ISE, 2022 BATCH

The Selfless Support and Confidence that the New horizon Training and placement division gives us is immense and helps us crack any opportunity coming your way, the various workshops, activities Organised by the Departments helps every student gain what it actually takes to get placed. Overall it's what the best the student can get.



CHRISEL FERNANDES

BE-ISE, 2022 BATCH

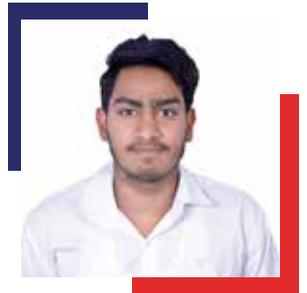
I am very grateful to my college for assisting me in my journey during my engineering course. Also, I want to thank the Department of Information Science and Engineering, our HOD and the faculty members for guiding me through every Semester while providing technical and interpersonal skills. Last but not least I want to thank the Department of HRD, I feel very privileged to be trained under this team. I was given excellent training and support even during the pandemic season. The Training provided by the Life Skills and Training team helped me a lot during my company interview process.

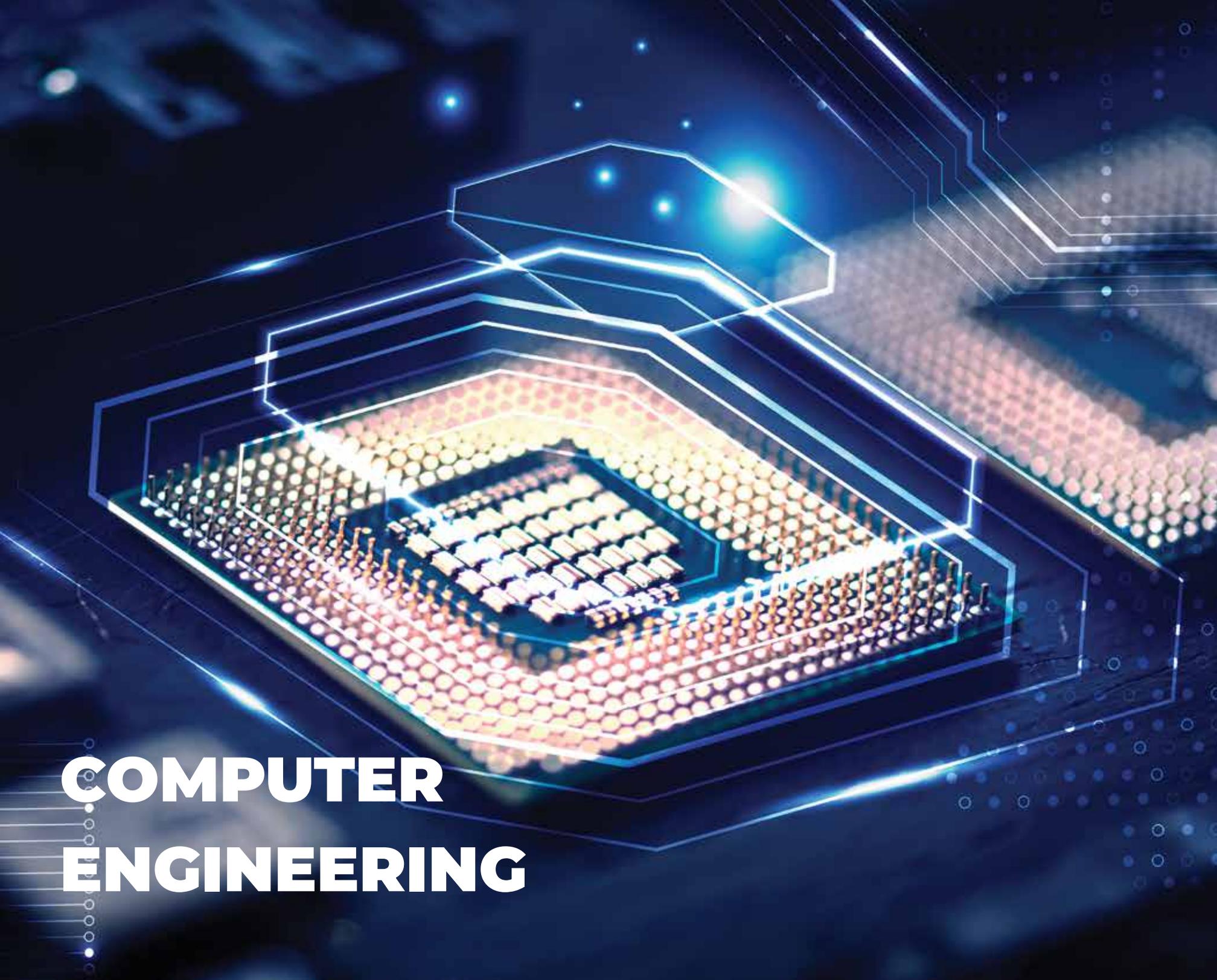


Narender Yadav

BE-ISE, 2022 BATCH, **PLACED AT DXC, COGNIZANT, ACCENTURE, IG INFOTECH**

My name is Narender Yadav(ISE department, USN: 1NH18IS066). I want to thank my ISE department faculty and Placement department for helping me and guiding me during the placement by providing good quality training. The Placement department faculty and trainers were very helpful and always available to resolve all the queries.





COMPUTER ENGINEERING

05

COMPUTER ENGINEERING

Computer Engineering (CE) combines electrical engineering and computer science to develop new computer hardware and software. They work as software and hardware engineers and are involved in the design of computer architecture. This field is concerned with the physical components of computer systems rather than the virtual world we see. Computer Engineering has been around for a long time in many developed countries around the world, both as an undergraduate branch and as a master's Specialization. However, Computer Engineering as a branch has only been offered by a few universities in India thus far. However, due to the advent of the new information technology revolution, this is bound to change dramatically in the coming years.

▶ VISION

To produce engineers, researchers and technologists with managerial skills of highest competence who would be able to solve the challenges of society.

▶ MISSION

- To impart high quality professional training, practical experience and value education in the Computer Engineering.
- To pursue creative research in Computer Engineering in order to serve the engineering community and society.
- To prepare and encourage a student for Lifelong learning to meet career and ethical challenges through active participation in co-curricular and extracurricular activities.

▶ CAREER SCOPE

A career in Computer Engineering is highly rewarding, offering unlimited job opportunities and very high salary packages. Computer Engineers have plenty of options to work in IT companies and in departments such as design, development, assembly, manufacture maintenance etc. They can work as programmers, web developers, and E-commerce specialists with telecommunication companies, automotive companies, aerospace companies, etc. Moreover, numerous national and multi-national computer manufacturing companies, computer hardware system design and development companies, computer networking companies, software development companies, etc. require computer professionals in large numbers.



COMPUTER ENGINEERING

▶ **BENEFITS OF COMPUTER ENGINEERING AFTER COMPLETING A DEGREE IN THE FUTURE**

- Improved job opportunities
- Opportunities for innovation and creativity
- Essential for an all-rounded education
- Opportunity to protect civil liberty and fight against cybercriminals
- Making a positive impact in the world.

▶ **CAREER OPTIONS IN COMPUTER ENGINEERING**

This list is not exhaustive but it provides a solid idea of what fellow graduates have gone on to do and what potential careers a Computer Engineering degree can offer. Some options are more directly associated with specific areas of Computer Engineering than others.

- Analyst with Data
 - AI designer/developer
 - Blogger
 - Business Systems Analyst
 - Client Support Representative
 - Computer Engineer
 - Computer Security Analyst
 - Database Developer
 - Entrepreneur
 - Hardware Systems Designer
 - Information Technologist
 - Interface Designer
 - Inventory Control Manager
 - Network Security Specialist
 - Robotics Specialist
 - Satellite Communications Specialist
 - Smart Phone Designer
 - Software Engineer
 - Software Security Engineer
 - Systems Designer
 - Technical Support Representative
 - Technical Writer
 - Video Game Programmer
 - Web Designer
 - Operations Manager
 - Patent/Computer Lawyer
 - Product Developer
 - Professor/Teacher
 - Project Manager
 - Researcher
- 

ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

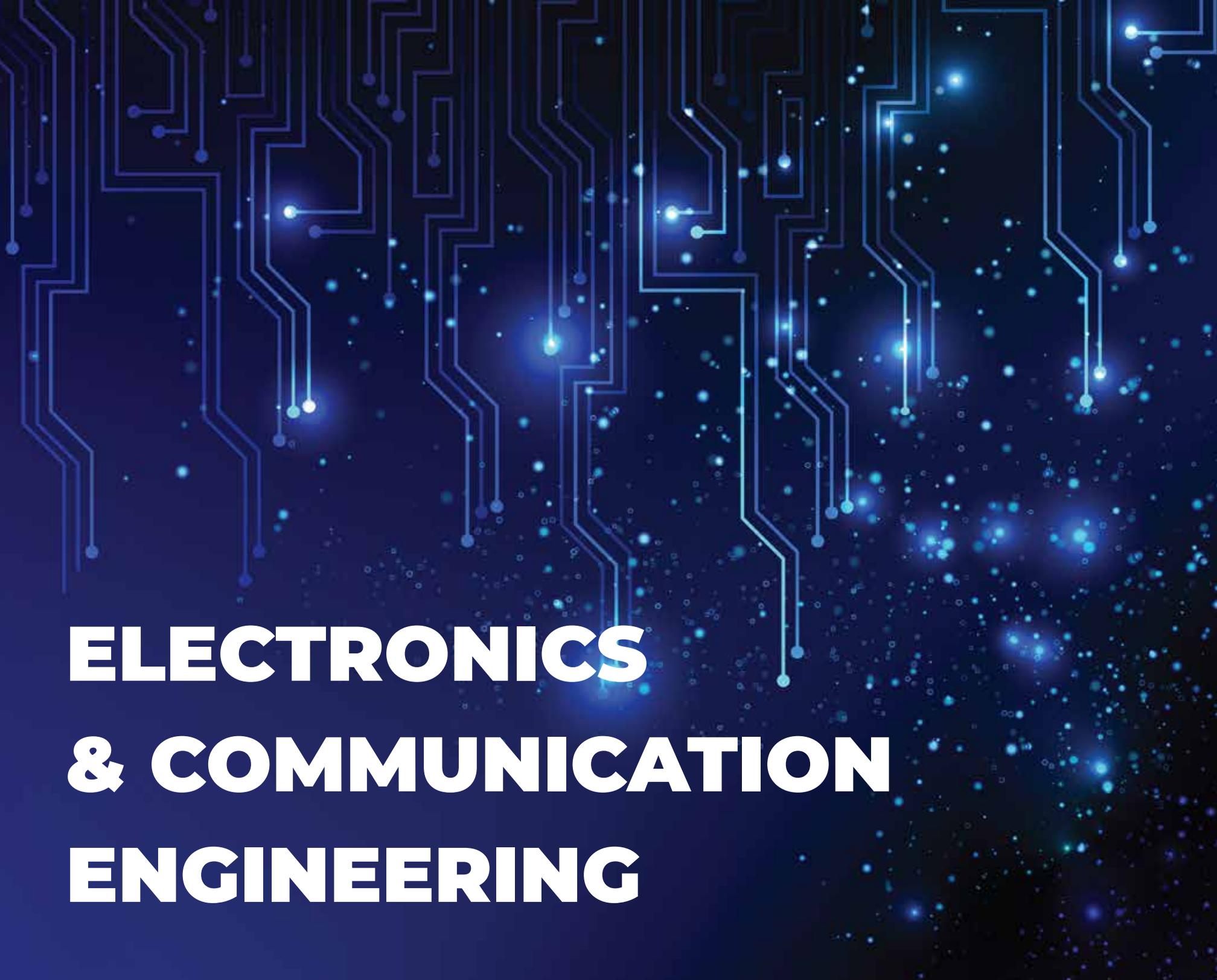
STREAMS: G-GLOBAL, P-PROFESSIONAL

		G	P	SEM
1.	B.E Degree (Visvesvaraya Technological University)	✓	✓	I-VIII
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6.	Student Development Initiative: Technical Students Symposium/Conferences	✓	✓	III-VIII
7.	Organizing seminars on recent developments	✓	✓	III-VIII
8.	Enabling & encouraging students to participate & present papers in National & International Seminars/Conferences	✓	✓	III-VIII
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16.	Student Development Initiative: Professional Student counseling	✓	✓	I-VIII
17.	Student Support Initiative: Guidance for Education loans & bank formalities	✓	✓	I-VIII
18.	Enabling & encouraging students to prepare and appear for NPTEL MOOC certification course	✓	✓	I-VIII
19.	Student club activities	✓	✓	I-VIII

GLOBAL AND PROFESSIONAL SKILL INCREMENTAL PROGRAM (BY INDUSTRY EXPERTS)

20.	Certification Program in Devops	✓	✗	IV-V
21.	Certification Program in Bigdata Analytics Using 'R'	✓	✗	V-VI
22.	Certification Program in Java Full stack-1	✓	✗	VI-VII
23.	Certification Program in Java Full stack-2	✓	✗	VI-VII
24.	International Student Exchange program*	✓	✗	VII-VIII
25.	International Education Tour**	✓	✗	VII-VIII

NOTE: * International student exchange program is offered to meritorious students at actual cost | **International Educational tour is offered to global students at actual cost



**ELECTRONICS
& COMMUNICATION
ENGINEERING**

06

ELECTRONICS & COMMUNICATION ENGINEERING

Electronics and communication have always been cutting-edge engineering disciplines. The use of electronics in communication, as well as miniaturization up to the nanoscale (Nano Technology), contribute significantly to making life easier, more convenient, and more comfortable. This branch of engineering places a strong emphasis on fundamentals as well as analysis, which aids in the development of creativity and a better understanding of the most recent technologies. This branch of engineering has a bright future, with unlimited scope for innovation and limitless job opportunities.

▶ VISION

To create high quality engineering professionals who can serve the society and earn global recognition.

▶ MISSION

- To build strong foundation in Electronics and Communication Engineering aspects by exposing students to state of the art technology and research
- To strengthen the curriculum through interaction with industry experts and to equip the students with the required competency.
- To mould students to share technical knowledge and to practice professional and moral values.

▶ CAREER SCOPE

Students are exposed to cutting-edge technologies that are in line with current industry trends. Students are also encouraged to further their education in a variety of emerging fields such as VLSI and Embedded Systems, Network Security, IoT, Signal Processing, and so on. Students are prepared to excel in IT as well as other specialized industries such as Semiconductors, Telecommunications, Process Control, Micro-Electronics, Data-Acquisition Power Electronics, Aerospace, Satellite Systems, Image Processing, Speech Processing, VLSI, and Embedded Systems Design.

▶ CAREER OPPORTUNITIES

- Electronic Circuits
- Signal & Systems
- Microcontrollers
- Analog & Digital Communication
- Microelectronic Circuits
- VLSI Design
- Embedded Systems
- Routing & Switching (CISCO certified)
- Image Processing
- Network Security
- Industrial Internet of Things
- Machine Learning
- Antennas & Wave Propagation
- Microwave & RADAR
- Digital Signal Processing
- Power Electronics
- Renewable energy Resources
- Pattern Recognition

ELECTRONICS & COMMUNICATION ENGINEERING

ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

STREAMS: G-GLOBAL, P-PROFESSIONAL

		G	P	SEM
1.	B.E Degree (Visvesvaraya Technological University)	✓	✓	I-VIII
2.	Student Network Development Initiative: Indian society for technical education(ISTE) Membership/IEEE Membership	✓	✓	III-VIII
3.	Student Industry-Institute Initiative: Industrial Visit	✓	✓	III-VIII
4.	Student Enrichment Initiative: Guest lectures by eminent industry experts	✓	✓	III-VIII
5.	Student Enrichment Initiative: Organizing workshops on recent trends	✓	✓	III-VIII
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17.	Student Support Initiative: Guidance for Education loans & bank formalities	✓	✓	I-VIII
18.	Enabling & encouraging students to prepare and appear for NPTEL MOOC certification course	✓	✓	I-VIII
19.	Student club activities	✓	✓	I-VIII

GLOBAL AND PROFESSIONAL SKILL INCREMENTAL PROGRAM (BY INDUSTRY EXPERTS)

20.	An approach to VLSI Design	✓	✗	III-IV
21.	Python Programming	✓	✗	III-IV
22.	VLSI (RTL/PD/DFT)	✓	✗	V-VI
23.	IOT/Robotics	✓	✗	V-VI
24.	Design Verification of Digital System	✓	✗	VII-VIII
25.	Advanced Verification Methodology (UVM)	✓	✗	VII-VIII
26.	International Student Exchange program*	✓	✓	VII-VIII
27.	International Education Tour**	✓	✓	VII-VIII

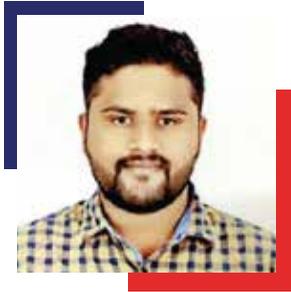
NOTE: * International student exchange program is offered to meritorious students at actual cost | **International Educational tour is offered to global students at actual cost

TESTIMONIALS

Suchith M

BE-ECE, 2022 BATCH

I feel extremely delighted to share that I got placed in Surya Software, which is a great opportunity to start a career. I am truly thankful to my college and placement department and the faculty for their constant guidance. Faculty members have been immensely helpful in helping me to learn new concepts and preparing me for future. These 4 years spent in N.H.C.E have helped me to grow into better personality in both professional and personal life and helped me in achieving my goals.



NIKITHA M S

BE-ECE, 2022 BATCH

I always wanted to come to New Horizon College of Engineering. It is one of the reputed institutions in Bangalore. The resources available at NHCE are excellent. The campus is equipped with various labs and the faculties are very knowledgeable and friendly. There are vast opportunities for everyone and the competitive environment brings out the best in us. The head of the department and our beloved Principal have provided extensive support to all the students. The Placement Department brought such good companies in campus and stood by us through every obstacle. I am happy and grateful for having provided with the opportunity to pursue my BE in NHCE.



DEVIKA KRISHNAN

BE-ECE, 2022 BATCH

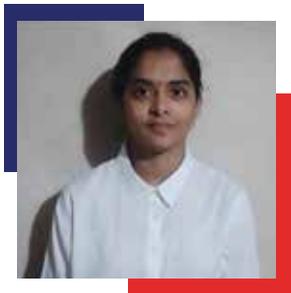
Words are powerless to express my gratitude to the college management, Department of ECE and above all the Department of HRD. I thank all of them from the bottom of my heart for molding me into the person that I always wanted to see myself as. I don't owe my professional success to my destiny, courage, luck, belief, confidence or fortune. I owe it to this wonderful college which showed me the right direction and provided me with opportunities at the right time. Nothing can come close to the inspirational presence of the Executive Director and HR managers at the Department of HRD in my journey towards finding a passionate career. My Sincere gratitude to New Horizon College of Engineering for all that you have done, which I will never forget.



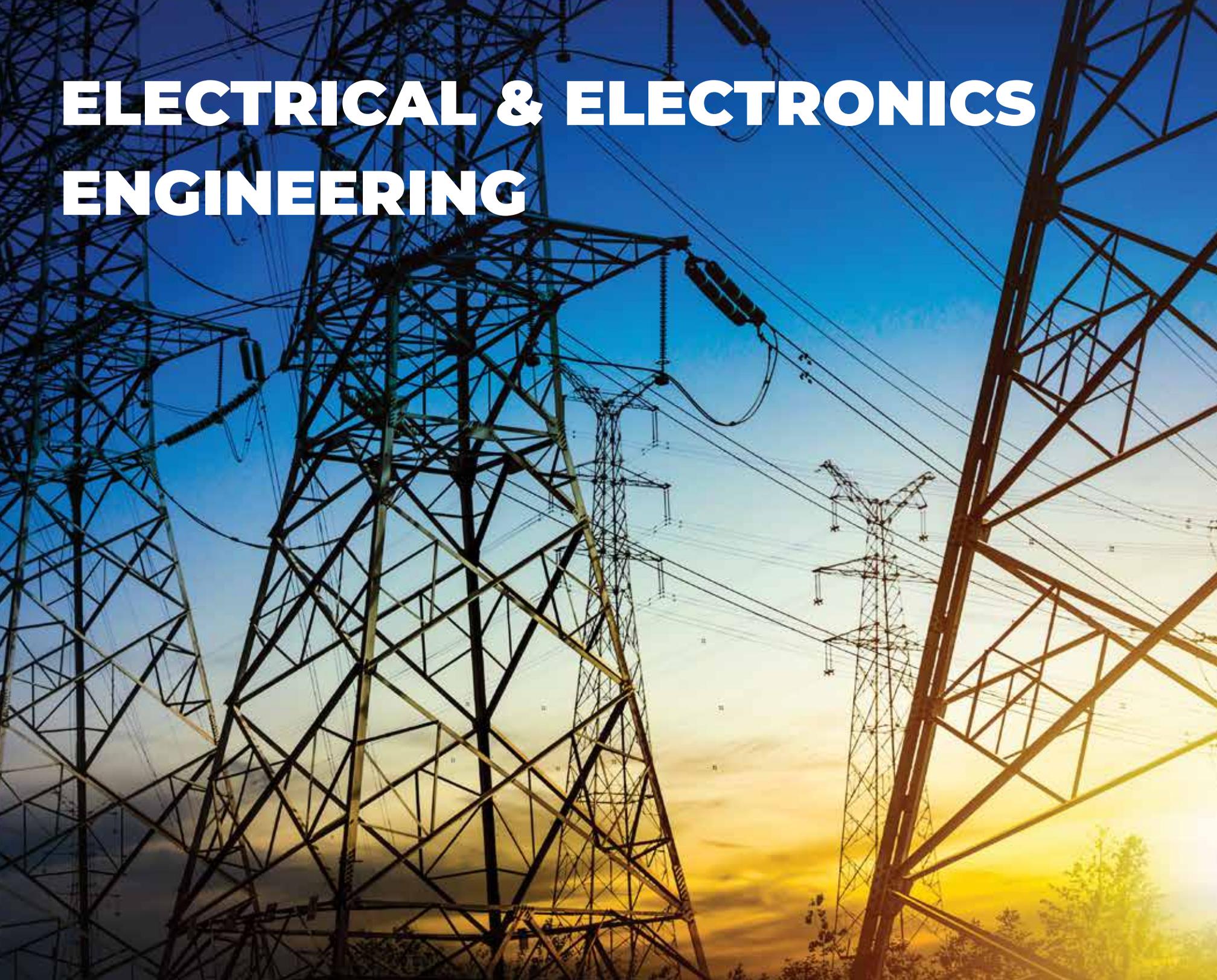
Ramya Priya

BE-ECE, 2022 BATCH

I feel extremely delighted to share that I got placed in Eurofins IT Solutions, which is a great opportunity to start a career. I am truly thankful to my college and placement department and the faculty for their constant guidance. Faculty members have been immensely helpful in helping me to learn new concepts and preparing me for future. This 4 years spent in N.H.C.E have helped me to grow into better personality in both professional and personal life and helped me in achieving my goals.



ELECTRICAL & ELECTRONICS ENGINEERING



07

ELECTRICAL & ELECTRONICS ENGINEERING

The graduate course in Electrical and Electronics Engineering, which began in 2001, covers various aspects of the Electrical and Electronics domain. The Department conducts research in several areas, including power systems, energy management, and distribution systems, electric drives, embedded systems, smart grids control, and instrumentation. The Department has undertaken several R&D projects funded by the UGC and AICTE.

▶ VISION

To evolve into a centre of excellence in Electrical and Electronics Engineering for bringing out contemporary engineers, innovators, researchers and entrepreneurs for serving nation and society.

▶ MISSION

- To provide suitable forums to enhance the teaching-learning, research and development activities.
- Framing and continuously updating the curriculum to bridge the gap between industry and academia in the contemporary world and serve society.
- To inculcate awareness and responsibility towards the environment and ethical values.

▶ OBJECTIVES AND ACTIVITIES

Fostering research and development in a supportive learning environment, as well as providing a strategic platform for developing interaction, collaboration, and joint programs with industries. To instill in each member, the ability and desire to work effectively for the betterment of humanity while maintaining cultural awareness, high professional ethical and moral values, and a sense of social responsibility.

▶ CAREER SCOPE

Automation and Control, Power Electronics, Power Systems, High Voltage Engineering, Embedded Systems, Circuit Simulation, Power Generation, and other fields can be studied by an electrical engineer. BESCO, KPTCL, KPCL, ISRO, DRDO, NTPC, BHEL, IRCON, BEL, and other public sector organizations also offer a wide range of career opportunities for electrical engineering graduates. Higher education in Electrical Engineering is available both in India and abroad.

▶ A BRIEF COURSE OVERVIEW

- Network Analysis
- Electronics Circuits
- Electrical Machines
- Power Electronics
- Electric Drives & Hybrid Vehicles
- VLSI Design
- Control and Instrumentation
- Power Systems
- Relay and High Voltage Engineering
- Renewable Energy Sources
- Smart Grid
- Embedded Systems
- Special Electrical Machines
- Software simulation tools
- IoT and Building Automation
- Object Oriented Programming

ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

STREAMS: G-GLOBAL, P-PROFESSIONAL

		G	P	SEM
1.	B.E Degree (Visvesvaraya Technological University)	✓	✓	I-VIII
2.	Student Network Development Initiative: Indian society for technical education(ISTE) Membership/IEEE Membership	✓	✓	III-VIII
3.	Student Industry-Institute Initiative: Industrial Visit	✓	✓	III-VIII
4.	Student Enrichment Initiative: Guest lectures by eminent industry experts	✓	✓	III-VIII
5.	Student Enrichment Initiative: Organizing workshops on recent trends	✓	✓	III-VIII
6.	Student Development Initiative: Technical Students Symposium/Conferences	✓	✓	III-VIII
7.	Organizing seminars on recent developments	✓	✓	III-VIII
8.	Enabling & encouraging students to participate & present papers in National & International Seminars/Conferences	✓	✓	III-VIII
9.	Resume writing workshop (Industry Oriented)	✓	✓	VI-VIII
10.	Student Career Support Initiative: Placement Training	✓	✓	VI-VIII
11.	Student Development Initiative: Coaching & remedial classes	✓	✓	I-VIII
12.	Student Competiveness Development Initiative (Intra College): Enabling & encouraging students to prepare & participate in various In-house competitions	✓	✓	I-VIII
13.	Student Competiveness Development Initiative (Inter College): Enabling & encouraging students to prepare & participate in various Inter-Collegiate & Inter University competitions	✓	✓	I-VIII
14.	Student Development Initiative: Mentoring	✓	✓	I-VIII
15.	Student Special Initiative: Mock viva-voce	✓	✓	I-VIII
16.	Student Development Initiative: Professional Student counseling	✓	✓	I-VII
17.	Student Support Initiative: Guidance for Education loans & bank formalities	✓	✓	I-VII
18.	Enabling & encouraging students to prepare and appear for NPTEL MOOC certification course	✓	✓	I-VIII
19.	Student club activities	✓	✓	I-VIII

GLOBAL AND PROFESSIONAL SKILL INCREMENTAL PROGRAM (BY INDUSTRY EXPERTS)

20.	Advanced PCB Design + Primavera	✓	✗	IV-V
21.	Data Analytics For Electrical Engineers - Data Analysis and Decision making	✓	✗	V-VI
22.	Machine Learning for Electrical Engineers using Python	✓	✗	VI-VII
23.	Electric Vehicle Design & Analysis	✓	✗	VI-VII
24.	Certificate Program in Business Management and Digital Marketing	✓	✗	VII-VIII
25.	International Student Exchange program*	✓	✓	VII-VIII
26.	International Education Tour**	✓	✓	VII-VIII

NOTE: * International student exchange program is offered to meritorious students at actual cost | **International Educational tour is offered to global students at actual cost

TESTIMONIALS

K V NANDEESH

BE-EEE, 2022 BATCH, PLACED AT CAPGEMINI

My experience at NHCE , in the Department of Electrical and Electronics Engineering, has been academically enriching. I am grateful to the faculty at the Department of EEE who have guided me in my journey so far. I thank the department for providing numerous opportunities concerning internships and placements.



SRIDHARSHINI SARAVANAN

BE-EEE, 2022 BATCH, PLACED AT COGNIZANT

New Horizon College of Engineering has been one of the greatest platform for showcasing and learning new things every day. It has helped me grow as a person which made me more independent and disciplined. It made me understand the concept of teamwork, helped me understand the importance of communication which paved the way for a better career opportunity.



Pavan R

BE-EEE, 2022 BATCH, PLACED AT CERNER

I want to thank my EEE faculty and Placement department for helping me and guiding me during the placement by providing good quality training and also helping me to present my best to a good software development company i.e. Cerner. The faculty is helpful, They were always available and responded to all the queries.

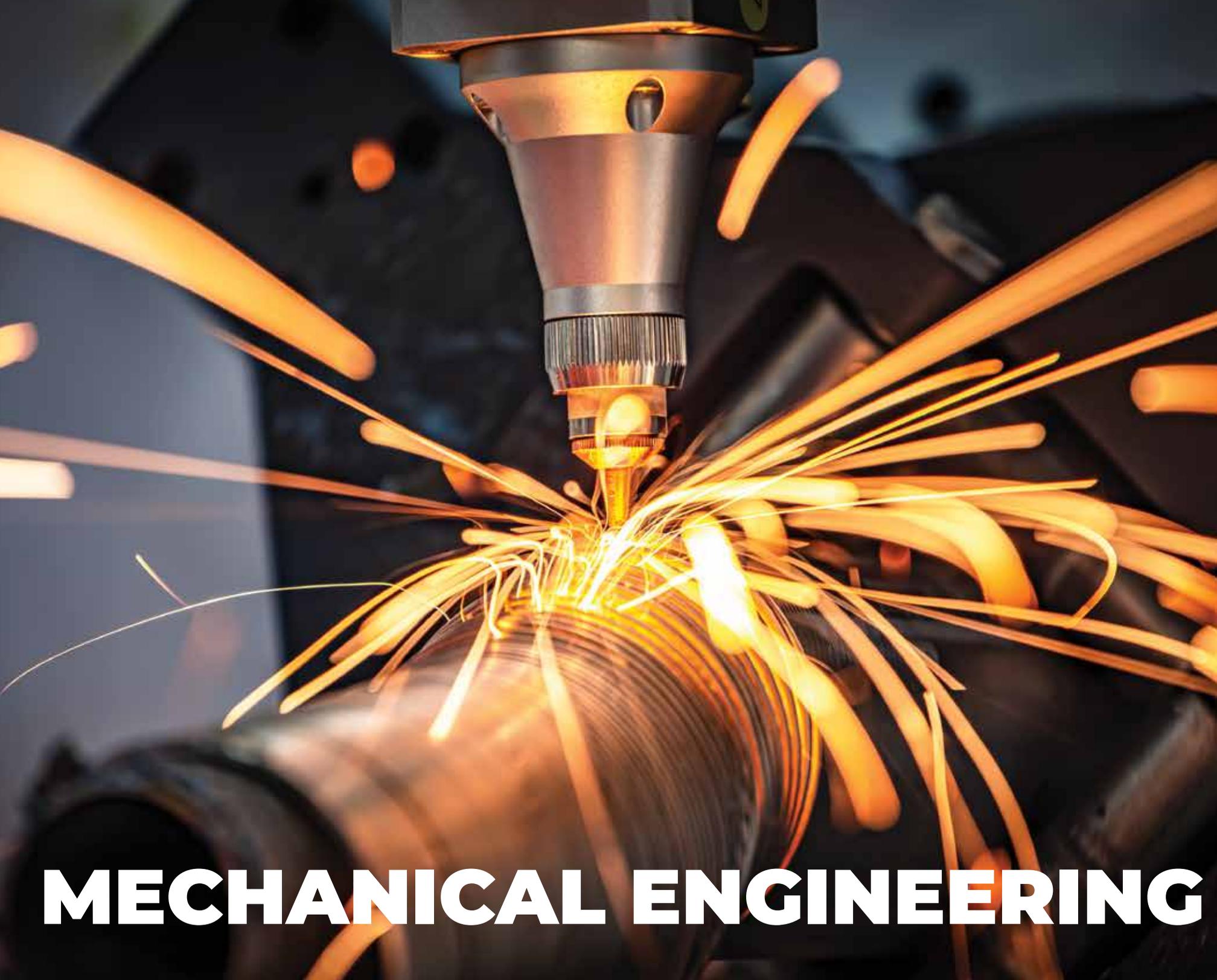


V SHARON

BE-EEE, 2022 BATCH, PLACED AT COMVIVA

First Of All I would Like to Thank our College Placement cell for their Immense support During the Placement Activities. The Placement Trainers Helped us a lot in preparing us in Aptitude ,Coding and life skills Which Helped Us in Cracking the interviews of the companies.





MECHANICAL ENGINEERING

08

MECHANICAL ENGINEERING

Mechanical engineering is a discipline that uses engineering, physics, and material science principles to design, analyze, manufacture, and maintain mechanical systems. It is a branch of engineering that deals with the design, manufacture, and operation of machinery.

▶ VISION

To create competent mechanical engineers capable of working in diversified disciplines for transformative impact on societal progressive development in the field of mechanical engineering through creative research and lifelong learning.

▶ MISSION

- To impart excellent education by providing the state of art research facilities in the field of mechanical engineering.
- To develop alliances with industries and other organizations for excellence in teaching learning process, research and consultancy projects.
- To enhance the knowledge of students in intellectual, entrepreneurial and ethical challenges through active participation by critical thinking.

▶ OBJECTIVES AND ACTIVITIES

- To promote research and development in a welcoming learning environment.
- To dedicate and impart quality education to students through critical thinking, creativity, and an entrepreneurial spirit.
- To instill in each member the ability and desire to work effectively for the betterment of humanity while maintaining cultural awareness, high professional ethical and moral values, and a sense of social responsibility.

▶ CAREER SCOPE

Mechanical engineers have traditionally had to deal with concepts like mechanics, thermodynamics, robotics, kinematics, structural analysis, fluid mechanics, and many others. Mechanical engineering's scope is now expanding beyond its traditional boundaries. Mechanical engineers are focusing their efforts on new areas of research such as Artificial Intelligence and Machine learning, nanotechnology, composite material development, biomedical applications, environmental conservation, and so on.

▶ A BRIEF COURSE OVERVIEW

- Robotics, Mathematics
- Metallurgy, Basic Physical Science
- Thermodynamics, Statics and Dynamics
- Mechanical Vibrations, Mechanics of Materials
- Mechanics of Materials, Material Science
- Finite Element Analysis
- Design of Machine Element, Heat Transfer
- Energy Conversion
- Fuels, Combustion, IC Engine
- TQM
- Mechanism and Machine Design
- Instrumentation and Measurement
- Manufacturing Engineering
- Vibration and Control Engineering
- Hydraulics & Pneumatics
- Mechatronics & Robotics
- Finite Element Analysis
- Management & Entrepreneurship, Drafting, CAD & CAM

ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

STREAMS: G-GLOBAL, P-PROFESSIONAL

		G	P	SEM
1.	B.E Degree (Visvesvaraya Technological University)	✓	✓	I-VIII
2.	Student Network Development Initiative: ISTE/IIPE/UNISEC Student Membership	✓	✓	III-VIII
3.	Student Industry-Institute Initiative: Industrial Visit	✓	✓	III-VIII
4.	Student Enrichment Initiative: Guest lectures by eminent industry experts	✓	✓	III-VIII
5.	Student Enrichment Initiative: Organizing workshops on recent trends	✓	✓	III-VIII
6.	Student Development Initiative: Technical Students Symposium/Conferences	✓	✓	III-VIII
7.	Organizing seminars on recent developments	✓	✓	III-VIII
8.	Enabling & encouraging students to participate & present papers in National & International Seminars/Conferences	✓	✓	III-VIII
9.	Resume writing workshop (Industry Oriented)	✓	✓	VI-VIII
10.	Student Career Support Initiative: Placement Training	✓	✓	VI-VIII
11.	Student Development Initiative: Coaching & remedial classes	✓	✓	I-VIII
12.	Student Competiveness Development Initiative (Intra College): Enabling & encouraging students to prepare & participate in various In-house competitions	✓	✓	I-VIII
13.	Student Competiveness Development Initiative (Inter College): Enabling & encouraging students to prepare & participate in various Inter-Collegiate & Inter University competitions	✓	✓	I-VIII
14.	Student Development Initiative: Mentoring	✓	✓	I-VIII
15.	Student Special Initiative: Mock viva-voce	✓	✓	I-VIII
16.	Student Development Initiative: Professional Student counseling	✓	✓	I-VIII
17.	Student Support Initiative: Guidance for Education loans & bank formalities	✓	✓	I-VIII
18.	Enabling & encouraging students to prepare and appear for NPTEL MOOC certification course	✓	✓	I-VIII
19.	Student club activities.	✓	✓	I-VIII

GLOBAL AND PROFESSIONAL SKILL INCREMENTAL PROGRAM (BY INDUSTRY EXPERTS)

20.	Unigraphics NX Certification	✓	✗	III-IV
21.	PCB Design With Android Application	✓	✗	IV-V
22.	Hypermesh/Ansys Regular/Ansys CFX/CFD	✓	✗	V-VI
23.	Digital Marketing Certification Program	✓	✗	VI-VII
24.	CNC/Robotics Automation Certification	✓	✗	VII-VIII
25.	International Student Exchange program*	✓	✓	VII-VIII
26.	International Education Tour**	✓	✓	VII-VIII

NOTE: * International student exchange program is offered to meritorious students at actual cost | **International Educational tour is offered to global students at actual cost

TESTIMONIALS

SRINIDHI S

BE-ME, 2022 BATCH

I am SRINIDHI S, I express immense gratitude to Department of Mechanical Engineering for being supportive for my academic and Extra-Curricular activities. Without the support of all the faculties, HOD and Principal I could not have balanced academics and Extra-Curricular activity at NHCE. Department of Mechanical Engineering has thought me the importance of research and Innovation of products that could solve the problems of the society. The atmosphere created by HOD and faculty was beyond our expectation and we feel blessed to have them as our professors and mentors.



Vignesh A M

BE-ME, 2022 BATCH

"I am delighted and consider myself to be lucky to be a student belonging to the Department of Mechanical Engineering, New Horizon College of Engineering, Bengaluru. During my four years of study there were many opportunities where I acquired enough knowledge and experience which helped me grow academically with the required technical skills, and this could not be possible without the help and support given by the faculties. The faculties of the department of Mechanical Engineering are very friendly and are always available for helping the students in all possible ways. The Engineering program contains a vast and an in-depth learning experience which helped me to develop analytical, conceptual and practical knowledge and as a part of our curriculum, industry sponsored labs and training were provided which helped me understand the current technologies and trends. I am happy and thankful for all the support and encouragement given by the faculties and the department of Mechanical Engineering."



T Harish Kumar

BE-ME, 2022 BATCH

"I am grateful and delighted to share my experience in New Horizon College of Engineering going through 4 years of Mechanical Engineering in the college has given me many opportunities and value-adding skills that I believe will be very much important to my future and my career. The Mechanical Department in the college has always supported the students and has guided me in the right times, with heartfelt gratitude I like to thank all my faculty and mentors for their guidance and support in my academic growth which helped me in developing and enhancing my technical skills. In Engineering development of one collective knowledge is very important and the Mechanical department has encouraged me to gain my confidence and knowledge, I am grateful to thank the department."



CIVIL ENGINEERING



09

CIVIL ENGINEERING

Civil engineering is widely regarded as the most versatile and fundamental of all engineering disciplines. It is a diverse field that includes geotechnical sciences, structural engineering, environmental science, hydraulics, transportation, hydrology, geoinformatics, and water resources. Civil engineering, also known as the mother of all engineering, is the oldest, broadest, simplest, and most useful of all engineering sciences concerned with the design, construction, and maintenance of structures such as buildings, dams, bridges, and tunnels, highways, and other structures. The Civil Engineering Department is dedicated to research and development. The department's vision is to expose aspiring civil technocrats to various challenges in the profession and assist them in nation-building.

▶ VISION

To contribute to society by imparting quality education encompassing Technical, Managerial and Entrepreneurial skills.

▶ MISSION

- To create an environment wherein Faculty and Students engage in cutting edge research.
- To undertake Collaborative projects in order to develop a partnership between Institute and Industry.
- To motivate Entrepreneurship and to imbibe Professional Ethics.
- To promote participation in activities which help in holistic development of students.

▶ OBJECTIVES & ACTIVITIES

- To gain proficiency in engineering principles and to apply that knowledge to solve engineering problems.
- To provide a comprehensive understanding of current and emerging civil engineering trends.
- Conducting analysis, planning, organizing, operating, and maintaining various types of civil engineering infrastructure.
- To train high-quality professionals to facilitate the exchange of knowledge and best practices for the creation of long-term development.
- Foster an environment conducive to the exchange of ideas for the advancement of society.

▶ CAREER SCOPE

Civil engineers have a diverse range of career options. They can find employment in government departments, private and public sector industries, the information technology sector, various infrastructure sectors, research and teaching institutions, and so on. Civil engineering graduates can also go into research and teaching, or they can open their independent consultancy services and contracting firms, etc., and be a part of the thriving infrastructure development.

▶ CAREER OPPORTUNITIES

- Surveying
- Concrete Technology
- Applied Engg. Geology
- Estimation & Valuation
- Structural Engineering
- Computer Aided Engineering
- Geotechnical Engineering
- Transportation Engineering
- Environmental Engineering
- Computer Aided Design and Drawing
- Geographical Information System & GPS

ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

STREAMS: G-GLOBAL, P-PROFESSIONAL

		G	P	SEM
1.	B.E Degree (Visvesvaraya Technological University)	✓	✓	I-VIII
2.	Student Network Development Initiative: Indian society for technical education(ISTE) Membership	✓	✓	V-VI
3.	Student Industry-Institute Initiative: Industrial Visit	✓	✓	III-VIII
4.	Student Enrichment Initiative: Guest lectures by eminent industry experts	✓	✓	III-VIII
5.	Student Enrichment Initiative: Organizing workshops on recent trends	✓	✓	III-VIII
6.	Student Development Initiative: Technical Students Symposium/Conferences	✓	✓	III-VIII
7.	Organizing seminars on recent developments	✓	✓	III-VIII
8.	Enabling & encouraging students to participate & present papers in National & International Seminars/Conferences	✓	✓	III-VIII
9.	Resume writing workshop (Industry Oriented)	✓	✓	VI-VIII
10.	Student Career Support Initiative: Placement Training	✓	✓	VI-VIII
11.	Student Development Initiative: Coaching & remedial classes	✓	✓	I-VIII
12.	Student Competiveness Development Initiative (Intra College): Enabling & encouraging students to prepare & participate in various In-house competitions	✓	✓	I-VIII
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14.	Student Development Initiative: Mentoring	✓	✓	I-VIII
15.	Student Special Initiative: Mock viva-voce	✓	✓	I-VIII
16.	Student Development Initiative: Professional Student counseling	✓	✓	I-VIII
17.	Student Support Initiative: Guidance for Education loans & bank formalities	✓	✓	I-VIII
18.	Enabling & encouraging students to prepare and appear for NPTEL MOOC certification course	✓	✓	I-VIII
19.	Student club activities	✓	✓	I-VIII

GLOBAL AND PROFESSIONAL SKILL INCREMENTAL PROGRAM (BY INDUSTRY EXPERTS)

20.	Training and Certification program on Construction Technology	✓	✗	IV-V
21.	Training and Certification program on 3D Studio Max	✓	✗	IV-V
22.	Training and Certification program in Total Station	✓	✗	V-VI
23.	Training and Certification program on E -TABS Software	✓	✗	V-VI
24.	Training and Certification program on Primavera	✓	✗	VII
25.	International Student Exchange program*	✓	✓	VII-VIII
26.	International Education Tour**	✓	✓	VII-VIII

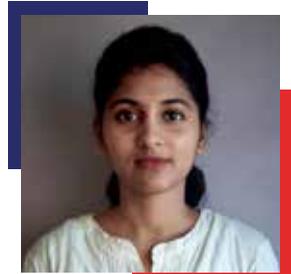
NOTE: * International student exchange program is offered to meritorious students at actual cost | **International Educational tour is offered to global students at actual cost

TESTIMONIALS

GAYATHRI

BE-CIVIL, 2022 BATCH, PLACED AT Mindtree Company

I got placed in Mindtree Company. It is because of the efforts put by our faculties and training and placement cell. I am very grateful to them for effectively and sincerely helping me to grab first ever opportunity of my career. New Horizon College of Engineering has a great infrastructure and management is good too. The guidance provided by the faculty members is valuable. My education at New Horizon College of Engineering was an experience for lifetime and will stay with me forever.



NITHIN M

BE-Civil, 2022 BATCH

New Horizon College of Engineering is a great institution. The staff and instructors are always helpful. Their strong academic curriculum, and a variety of student resources create an excellent learning environment for me to gain practical skills and most importantly, confidence in the workplace. The department has a good infrastructure. All the laboratories are well equipped. Civil Engineering program gave me a diverse range of skills in surveying, municipal design, drafting, and soil mechanics and in many other programs.



JENNIFER ROSE BIJU

BE-Civil, 2022 BATCH

A very good team of faculties who encourage and are supportive for the students. The courses designed in civil is very helpful in making a student industry ready. Thank you!! NHCE for all the support and shaping the future of mine.

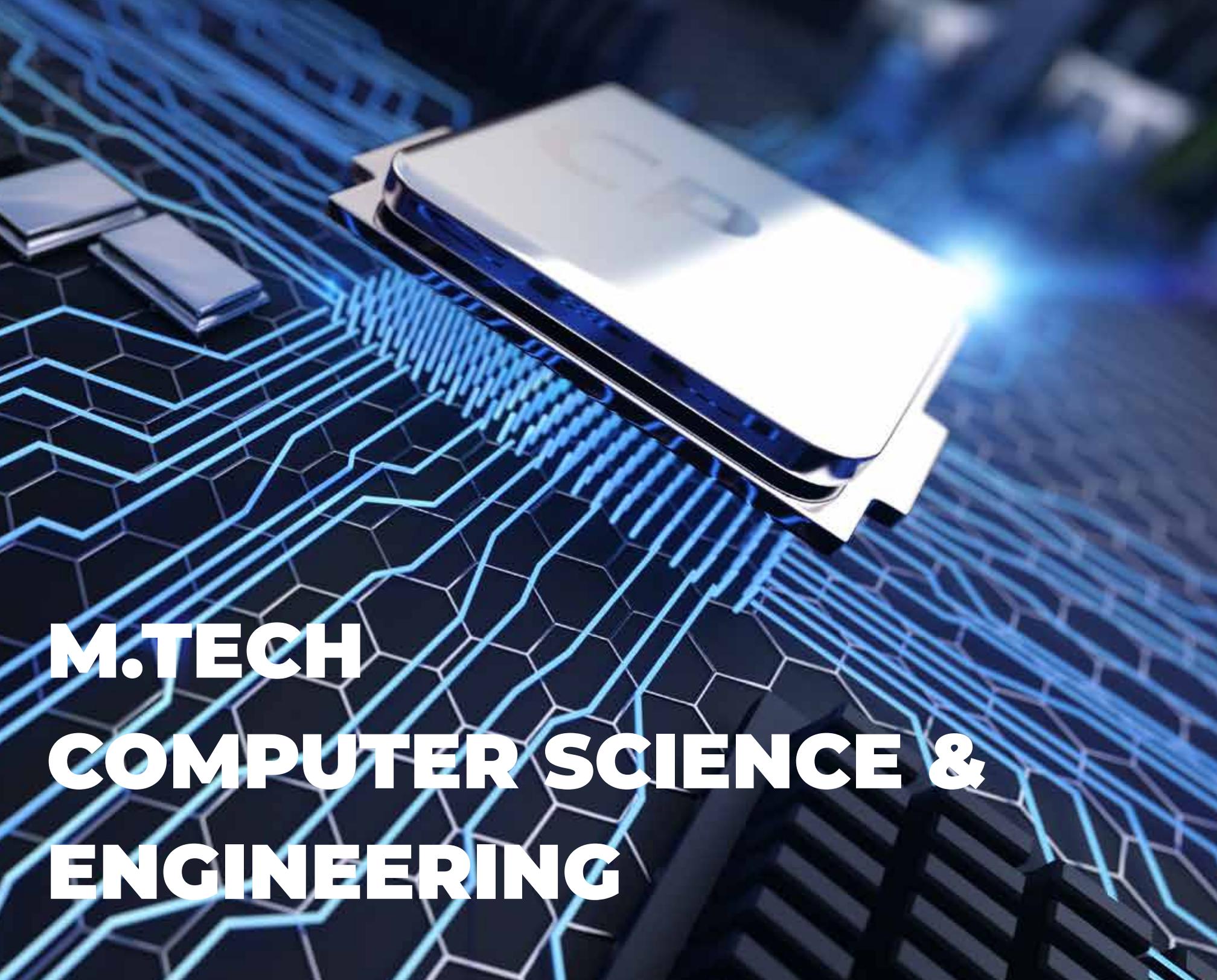


LAKSHMI S

BE-Civil, 2022 BATCH

In my 4 years of journey at NHCE in civil department, here I had the greatest time and made some of the best friends a person could have. All of the teachers were AMAZING!!!! The faculty and staff at department are top rate. They all want their students to do well. A good place to explore yourself and excel.





**M.TECH
COMPUTER SCIENCE &
ENGINEERING**

10

M.TECH

COMPUTER SCIENCE & ENGINEERING

The Department of Computer Science & Engineering, which is autonomous and affiliated with VTU, offers an M.Tech in Computer Science & Engineering. The M.Tech program in Computer Science and Engineering prepares students for careers in both the IT industry and academia and research.

▶ OBJECTIVES & ACTIVITIES

- To provide students with a comprehensive education that will prepare them for a career in academia or the IT industry.
- To prepare students to solve technical and analytical problems at significantly higher levels.
- To elevate and equip students far beyond the scope of a typical bachelor's degree.
- To make access to niche technological jobs in the global workplace easier by providing a very high level of technical education.

▶ CAREER SCOPE

India has already established itself as a world-class knowledge hub. Along with being a global leader in IT outsourcing, India is gradually emerging as a leader in R&D outsourcing as well. It is expected that people with advanced degrees in computer science will be in high demand in the niche areas of R&D and product development.

▶ A BRIEF COURSE OVERVIEW

- Advanced Computer Networks & Security
- Advances in Operating Systems
- Computer Systems-Performance and Analysis
- Data Warehouse & Data mining
- Advances in Database Management Systems
- Pattern Recognition & Image Processing
- Advanced Algorithms
- Artificial Intelligence
- Cloud Computing
- Natural Language Processing
- IoT
- Machine Learning
- Big Data Analytics
- Software Testing & Automation

▶ ELIGIBILITY CRITERIA

A bachelor's degree in engineering or technology in computer science and engineering/information science is required. AMIE has been assigned to the appropriate branch.

GATE: CS is required.

Candidates must have at least 50 percent of their total marks from all years of their degree examinations. However, in the case of SC/ST/CAT-1 candidates, the aggregate percentage of marks in the qualifying examination must not be less than 45 percent.

▶ DURATION

The course lasts two years and is divided into four semesters.



Master of Business Administration



MASTER OF BUSINESS

Administration

The Department of Management Studies offers a two-year, four-semester autonomous Master of Business Administration (MBA) program that is affiliated with Visvesvaraya Technological University. MBA is a dynamic and innovative program. It aims to foster an inquisitive and analytical mind that actively seeks the right knowledge, acquires the right skills, and promotes the right attitude to develop the capabilities required to manage businesses.

▶ VISION

To evolve into a globally integrated B-school contributing towards management education, consultancy, research leadership and corporate excellence.

▶ MISSION

- To constantly strive to provide students with an in-depth knowledge and understanding of business and managerial concepts.
- To promote lateral thinking and a spirit of enquiry among our students, so that they look from a different angle, and have a creative approach and are able to provide simple solutions to complex business problems.
- To deliver through our teaching learning process, the richness of entrepreneurship and multidisciplinary knowledge in a way, where ethics and social commitments will be the corner stone for our students.

▶ CAREER SCOPE

The MBA program is one of the most sought-after programs. During the two-year course duration at the college, it provides students with excellent learning opportunities in various management disciplines, as well as strong experiential learning through case studies and live projects. After completing an MBA, students can pursue a variety of job opportunities in Marketing, Human Resources, and Finance. Business Development, Advertising, Marketing Research, Talent Acquisition, Talent Management, HR Consulting, Investment Banking, and Business Analysis are the most popular options, with attractive pay packages.

ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

STREAMS: G-GLOBAL, P-PROFESSIONAL, E-EXECUTIVE

		G	P	E	SEM
1.	MBA from VTU	✓	✓	✓	I-IV
2.	Training in SPSS	✓	✓	✓	II
3.	Training in Advance Excel in Business	✓	✓	✓	II
4.	Out bound Experiential Learning Program	✓	✓	✓	I-II
5.	Workshop on Stock Market Operations	✓	✓	✓	II
6.	Certification in Entrepreneurship Development	✓	✓	✓	II-III
7.	Business Incubation Support	✓	✓	✓	I-IV
8.	Workshop on Business & Finance News Analysis (Business Newspaper Subscription)	✓	✓	✓	I-IV
9.	Online English Training and Assessment Program	✓	✓	✓	I-IV
10.	Competency Mapping & Profiling workshop	✓	✓	✓	II-III
11.	Specialization Orientation Workshop & Certification	✓	✓	✓	II
12.	Industry Sectoral Analysis workshop	✓	✓	✓	II
13.	Certification in Design Thinking	✓	✓	✓	III-IV
14.	Project Report Writing	✓	✓	✓	IV
15.	Presentation skills Enhancement	✓	✓	✓	II-IV
16.	Case Writing & Case Analysis	✓	✓	✓	IV
17.	Industry expert guest lectures	✓	✓	✓	II
18.	Industrial Visits	✓	✓	✓	I-IV
19.	Membership in Department Clubs	✓	✓	✓	II
20.	Membership in New Horizon Alumni Forum	✓	✓	✓	III
21.	Membership from All India Management Association	✓	✓	✓	III

SKILL-ENHANCEMENT FOR GLOBAL (G) AND PROFESSIONAL (P) PROGRAMS

22.	Capstone Business Simulation	✓	✓	✗	II-III
23.	Domain Certifications:				
	Certification in Business Analytics (Analytics)	✓	✓	✗	III-IV
	Certification in Supply Chain Management (Operations)	✓	✓	✗	III-IV
	Certification in Digital Marketing (Marketing),	✓	✓	✗	III-IV
	Certification in Human Resource Practices (HR)	✓	✓	✗	III-IV
	Certification in Financial planning and Analysis (Finance)	✓	✓	✗	III-IV
24.	IIMBx Certification from IIM, Bangalore	✓	✓	✗	II-III
25.	HBX certification from Harvard Business School, Harvard University, US	✓	✗	✗	II-III

THE FOLLOWING ARE AVAILABLE AT AN ADDITIONAL COST:

Training in: Business English, Soft skills, and Quantitative aptitude; Workshops in Interview skills preparation & CV writing, VTU Consortium e-resources packages, Training in Foreign Languages (E.g.: Mandarin (Chinese) / Spanish / French), National Industrial visit/s, and International Industrial tour/s.

TESTIMONIALS

TANISHA

MBA, 2022 BATCH

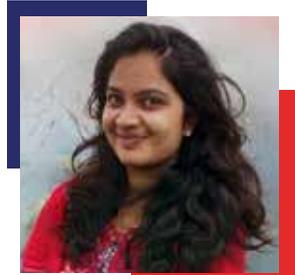
Hi I'm Tanisha Girish, SDR at salesken, also a professional dancer and dance instructor at Dance Nation Indiranagar. I am pursuing my MBA from New Horizon College of Engineering. I am really excited to be a part of Salesken family and looking forward to a growth filled journey ahead.



SHREYA JITESH

MBA, 2022 BATCH

"Hi, I am glad that I am starting my career at TCS, I am thankful to my department faculties and placement cell that helped me to experience, self discover and build my career goals. And, I also thank New Horizon College for giving this opportunity and lucky to be a part of it."



SALMA JABEEN

MBA, 2022 BATCH

Hi, this is Salma Jabeen working as an apprentice in Danske IT. This is an exciting journey for me. Thank You New Horizon College of Engineering for providing this opportunity and confidence to develop professionally.



RITHIKA VINOD

MBA, 2022 BATCH

Hi, This is Rithika Vinod I am extremely Thankful to the Department Of HRD for availing an Opportunity to work in Accenture India. I Express My Gratitude towards New Horizon College of Engineering And Department of MBA For taking a huge efforts in our Interest and for our betterment





MASTER

OF COMPUTER APPLICATIONS

12

MASTER OF COMPUTER APPLICATIONS

The Department of Master of Computer Applications is autonomous and affiliated with Visvesvaraya Technological University, and it offers MCA and Ph.D. programs. The MCA program provides a solid foundation in IT fundamentals for future-ready IT professionals. Students in the MCA program are exposed to a wide range of application areas, including traditional business, finance, accounting, networks, multimedia, and database management, as well as computer-aided design and industrial production management systems.

▶ VISION

To be the source in bringing Competent Computing Professionals, Innovators, Researchers, Entrepreneurs and Leaders to serve the Industry, Nation and Society

▶ MISSION

- To provide world class computer education and cultivating technical skills to meet the challenging global needs and emerging trends in the industry.
- To enable students in acquiring strong academic skills and enhance knowledge towards innovation in research and development.
- To inculcate the professional behavior and leadership qualities with ethical responsibilities for the betterment of the society and empower them to become entrepreneurs.

▶ CAREER SCOPE

MCA students are offered jobs by Multinational Companies through campus recruitment in any of the following positions. Software Engineer, Network Administrator, System Analyst, Database Administrator, Web Developer, System Administrator, Software Testing Engineer, Domain Consultant, System Engineer, Network Engineer, Project Developer, Hardware Engineer, Business Analyst, Research and Development, Hardware and Networking, Services, and Application Support and so on.

▶ PROGRAM CORE ELECTIVE COURSES

- Programming languages : C,C++,Java,python
- Unix System Programming
- Data Structures & Algorithms
- Web Development Tools : HTML5 , CSS, Java Script, PHP , XML
- Operating Systems
- Computer Networks
- Database Management System
- Software Engineering
- Enterprise Architecture Development using J2EE
- Mobile Computing and Applications
- Software Quality & Testing
- Programming using C# and .Net

▶ PROGRAM ELECTIVE COURSES (INDUSTRY BASED)

- RPA (Robotic Process Automation)
- Internet of Things
- Cloud Computing
- Data Science
- Data Warehousing & Data
- Cyber Security & Cyber Law
- Machine Learning with R
- Big Data Analytics with HP Vertica
- VM Ware Virtualization Techniques
- Artificial Intelligence
- Neural Networks
- Business Intelligence using Tableau

ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

STREAMS: G-GLOBAL, P-PROFESSIONAL

		G	P	SEM
1.	MCA Degree (Visvesvaraya Technological University)	✓	✓	I-IV
2.	Computer Society of India (CSI) membership	✓	✓	II-IV
3.	Industrial visit	✓	✓	I-IV
4.	Guest lectures by eminent experts	✓	✓	I-IV
5.	Organizing workshops	✓	✓	I-IV
6.	Technical students Symposiums/Conferences	✓	✓	I-IV
7.	Participation in National and International technical events	✓	✓	I-IV
8.	Bridge course	✓	✓	I
9.	Collaborating with faculty in research projects	✓	✓	II-IV
10.	Coaching and remedial classes	✓	✓	I-IV
11.	Enabling and encouraging students to prepare for participation at various in-house competitions	✓	✓	I-IV
12.	Enabling and encouraging students to prepare for participation at various Inter collegiate and inter-university competitions	✓	✓	I-IV
13.	Student Development Initiative: Mentoring	✓	✓	I-IV
14.	Industry Oriented - Courses	✓	✓	I-IV
15.	Student Career Support Initiative: Placement Training	✓	✓	I-IV
16.	Mock viva-voce	✓	✓	I-IV
17.	Student Development Initiative: Professional student counseling	✓	✓	I-IV
18.	Mandatory MOOC course and certification	✓	✓	I-IV
19.	Student club activities	✓	✓	I-IV

GLOBAL AND PROFESSIONAL SKILL INCREMENTAL PROGRAM (BY INDUSTRY EXPERTS)

20.	Training on Azure/AWS	✓	✗	II
21.	Training on Tensor Flow	✓	✗	II
22.	Training on DevOps	✓	✗	III
23.	Training on Tableau	✓	✗	III
24.	International Educational Tour**	✓	✗	IV

NOTE: * *Credit transfer will be available for MS program | **International educational tour is offered to students at an extra cost

TESTIMONIALS

Sehreen Shafi

MCA, 2022 BATCH, **PLACED AT ACCENTURE**

NHCE helped me set a superb stepping stone in an outstanding IT firm and for making my future bright. I am grateful to all the faculties particularly for their valuable guidelines and keeping our hopes, aspirations high and for making me a better person and industry ready. I will always cherish my journey in NHCE forever. and I can say that "I AM PROUD TO BE A HORIZONITE".



SUNNY RAJ

MCA, 2022 BATCH, **PLACED AT CAPGEMINI**

Placement is one of the advantages that NHCE offers since its inception. It has an impeccable record in campus placement. A well-organized placement team streamlines the recruitment process and students get the jobs of their choice. The teachers are always ready to help you. They give you all the support that you expect from a professor in college life. There are specialised teacher for specific subjects.



DEVIKA KRISHNAN

MCA, 2022 BATCH

Good management and peaceful environment to study. About MCA department: Well supported staff. They are always ready to any kind of help to student to improve his knowledge, Not only with academics they will give motivation for "how to leave in this compitaive world". About HRD. Hard working department in our college. They are always think about student. Giving best training regarding placement. Well supported team.



RAMYA REDDY M

MCA, 2022 BATCH

Hardwork, patience and dedication can eventually become successful even in the pandemic situation. Our placement department has worked for us day and night for our success which came through during the Campus Recruitments. Thank you New Horizon for making my career.



PHD/M.SC (ENGINEERING) PROGRAMS

▶ DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

is a University (VTU) recognized Research Center that conducts research activities such as "Performance Analysis of the HCNF Algorithm." The project assesses the performance of Heterogeneous Critical Node First (HCNF), a non-preemptive heuristic algorithm that statically schedules directed acyclic task graphs on heterogeneous multiprocessor systems to minimize the makespan.

▶ DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

is a University (VTU) recognized Research Center that is actively involved in research and paper publication. "Audio/Video-based Navigation Tool for the Visually Impaired" and "Design and Implementation of Labor Robots for Agriculture and Industry" are two current projects.

▶ DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

is a VTU-recognized research center that conducts extensive research on cutting-edge development techniques such as image processing, artificial neural networks, robotics, signal processing, VLSI, and renewable energy resources. Many papers have been published as part of the research in international and national conferences/journals. The AICTE has awarded grants to the department for research purposes.

▶ DEPARTMENT OF MECHANICAL ENGINEERING

is a VTU-recognized research center that researches to ensure that students are up to date with new technologies and meet the requirements of current industry standards. The research focuses on composite materials, turbomachinery, equipment design and development, finite element analysis, heat and mass transfer, and computational fluid dynamics.

▶ DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS

is a University (VTU) Recognized Research Center that conducts extensive research on cutting-edge development techniques such as image processing, artificial neural networks, robotics, signal processing, VLSI, and renewable energy resources. Many papers have been published as part of the research in international and national conferences/journals. The AICTE has awarded grants to the department for research purposes.

▶ DEPARTMENT OF CIVIL ENGINEERING

is a VTU-recognized Research Centre that conducts active research in the fields of Construction Technology, Geotechnical Engineering, Environmental Engineering, and Concrete Technology.

PHD/M.SC (ENGINEERING) PROGRAMS

▶ DEPARTMENT OF PHYSICS

is a University-recognized Research Center (VTU). Sponsored research projects are actively carried out by the department. Polymer Nano Composites, Nanophosphors and their applications in EMI shielding, Super Capacitors, Energy Storage, and Display Devices are among the key areas of research.

▶ DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING (AIML)

is a university-recognized autonomous program that combines data science and machine-learning techniques. It aspires to mimic human cognitive behavior to solve real-time predictive analytics and to function as an intelligent task/solution recommending system.

▶ DEPARTMENT OF MATHEMATICS

is a University-recognized Research Center (VTU). The Department is actively engaged in research in the field of fluid mechanics.

▶ DEPARTMENT OF MANAGEMENT STUDIES

is a University-recognized Research Center (VTU). The Department is heavily involved in research and consulting. Doctoral candidates are guided by senior faculty members in the areas of MARKETING, HR, FINANCE, and ENTREPRENEURSHIP DEVELOPMENT.

▶ DEPARTMENT OF COMPUTER APPLICATIONS

is a University-recognized Research Center (VTU). Object modeling with design patterns, image processing, intelligent computing, human-computer interaction, and virtualization are some of the current research areas.

▶ DEPARTMENT OF CHEMISTRY

is a University (VTU) recognized Research Center that conducts a variety of research projects in collaboration and with external funding. Electro Chemistry, Sensors, Photo Catalysis, Analytical Chemistry, Kinetic Studies, and Nanotechnology are some of the key thrust areas of research.



AN OASIS OF TALENT

01

INTERNATIONAL Collaboration

FRENCH UNIVERSITIES

43 students of 2019 batch and 47 students of 2020 batch from all the engineering branches have successfully completed their international internships of three months from some of the prestigious universities in France namely Le Havre, University, the University of Rouen, ESIGELEC Rouen CESI Rouen, INSA Rouen, ISPA Alencon. Selected students are given training in speaking and conversing in French which could enable them to communicate in French while they study at the Universities in France. We have signed two new MOUs in 2021 with French Campuses namely, CEINE & GIP FIPAG. In spite of Covid restrictions, ten students from engineering branches are selected to start their three months internship from the first week of Feb 2022 in France through ESIGELEC University France. Post Covid, around 50 students per year from all the engineering branches will be selected on merit basis for this program. The selected students will be deputed for International Internships to the premier universities mentioned which are located in the Normandie region of France, known for hands on training and research in science and technology, international business and humanities. The program also nurtures Internationally strong social and economic links in the fields of energies, aeronautics, logistics, transports and mobility, cosmetology and health. Over hundred students in two batches in two years carried out different projects assigned by the faculty and successfully completed the program motivating many of the students to pursue higher studies in France. This helped to elevate their career goals.

STUDY ABROAD PROGRAM

NHCE has actively partnered with the Ministry of National Education, France in various educational activities and collaborations. On 12th March 2018, an agreement was signed between NHCE and the Ministry of National Education, France to facilitate student-exchange programs between NHCE and various universities in France. As a result of this agreement and a number of visits to France by the NHCE delegation, 43 students from 2018-19 and 47 students from 2019-20 batch from all the B.E branches successfully completed an 11-week student exchange program in reputed universities in France. Seven students from France visited NHCE for internships in India for the academic year 2019-20. The Universities in France have provided this rare opportunity to our students to experience their educational system, technology and culture.

02

INTERNATIONAL Collaboration

JAPAN CAREER CENTRE

Japan Career Centre is established at NHCE to Facilitate International Placements/Internships. The center acts as a bridge between Japanese companies and fresh student talent in India. It not only facilitates the recruitment of fresh talent in India but also prepares the recruited talent for assimilation into the Japanese workplace. We are proud to announce that our students have been successfully placed in the following Japanese Companies.

Pick the International company details from:

<https://newhorizonindia.edu/nhengineering/placements/international-placements/>

INTERNATIONAL PLACEMENTS

NAME	BRANCH	COMPANY PLACED	CTC (INR)
Meghanashree C	ECE	Andpad	30 LPA
Babu Aman Singh	CSE	Vebuin	30 LPA
Punith Kumar S	ISE	Vebuin	30 LPA
Sangeetha D	ISE	Notespace	30 LPA
Sarthak Das	EEE	Kishu Giken Kogyo	27 LPA
Imran Gummanahalli	MCA	Cloud Circus	27 LPA
Tejas Somayaji	MCA	Cloud Circus	27 LPA
Gouri Rajesh	CSE	Cloud Circus	27 LPA
Pooja Jadhav	ISE	Classmethod	27 LPA
Pooja T	ISE	Starland	25 LPA





▶ **NHCE STUDENTS REPRESENTED UNISEC INDIA AT INTERNATIONAL SPACE UNIVERSITY, STRASBOURG, FRANCE**

Mr. Nihkil, Mr. Denzel and Ms. Bhavana from New Horizon College of Engineering, Bangalore participated and represented the Indian student community during the 6th UNISEC global meeting and presented reports of activities during the global meet. The University Space Engineering Consortium (UNISEC)- India has been represented by our delegates at The 6th UNISEC Global meeting held at International Space University (ISU), Strasbourg, France from the 19th-21st of November 2018! UNISEC India Chapter has been approved and inaugurated during the Global Meet at ISU, France!

▶ **SUMMER SCHOOLING AT RUSSIA & ISRAEL**

A team of 6 students from NHCE was selected for the world-famous "International Summer Space School: Future Space Technologies and Experiments in Space" at the Samara National Research University, Samara, RUSSIA, organized by the Russian Academy of Cosmonautics, Samara Space Centre, and Samara University with the support of United Nations Office for Outer Space Affairs, University Space Engineering Consortium, and International Astronautic Federation. The NHCE team completed their distance education stage through quizzes and assignments and secured a Top 50 position globally, defending several Masters and Ph. D Scholars and won 1 Million USD (Rs. 7 Cr) for their Nano Satellite Design, Fabrication, and Launch. NHCE is the 1st Institution from India to send 6 Students to International Summer Space School, Samara, Russia. The team was also invited to the Indo-Israel SpaceTech Leadership Program held in Tel Aviv, Israel.



▶ INTERNATIONAL INDUSTRIAL TRIP

The Department of International Relations at New Horizon College hosted a seven-day international industrial visit to Germany, Belgium, and France. The pupils learned about the global prospects and the opportunities for international education. In terms of worldwide exposure to a foreign university, it was a learning experience for the final year students of the 2016-2019 class. Overall, the visit provided a fantastic opportunity for final-year students to get international experience while also having a lot of fun and learning.





INDO-FRENCH

Partnership Agreement

A partnership agreement was signed on March 12, 2018, in the presence of Ms. Frédérique Vidal, Minister of Higher Education, Research, and Innovation, Government of France, between the cluster president of CMQ3E (high schools, higher educational institutions, companies, and other public, private institutions), Rouen-France, and New Horizon College of Engineering, Bangalore. The agreement aims to improve the overall education system and processes for both teachers and students.

The partnership agreement's goals are as follows:

- Teacher and student mobility
- Collaboration and the implementation of new instructional strategies
- Collaboration and training program implementation
- Technical know-how and advice exchange
- Collaboration and assistance in the development of educational collaboration in the field of energy and energy efficiency
- Collaboration and assistance in putting equipment or materials in place
- Create vocational and technological education training programs for teachers and trainers.

STUDY ABROAD PROGRAMME

90 engineering students were sent to France for a study exchange programme during the academic years 2019 and 2020, after being in collaboration with the Ministry of National Education in France since 2018. Following the pandemic, ESIGELEC University in France has selected 10 final year students for the academic year 2021-22. The universities in France have provided our students with this once-in-a-lifetime opportunity to learn about their educational system, technology, and culture. The universities in France that have chosen our students for the exchange program are listed below.

University of Le Havre, University of Rouen, ESIGELEC Rouen CESI Rouen, INSA Rouen, ISPA, Alencon.



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Academy

Schneider
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Capgemini
VLSI

IBM
OpenPOWER[™]

Capgemini
5G

SAP
next-gen

CISCO

VERTICA

AUTOMATION[®]
ANYWHERE
Go be great.

Capgemini
Industry 4.0

aws academy

ALTAIR

JUNIPER
NETWORKS

MICROCHIP
Academic Program



paloalto
Cybersecurity
Academy

celonis

01

INDUSTRY

Sponsored Laboratories and Centers of Excellence



INDO FRENCH CENTER OF EXCELLENCE ELECTRICITY, AUTOMATION AND ENERGY - SCHNEIDER ELECTRIC

In collaboration with Schneider Electric, the Indo-French Center of Excellence in Electricity, Automation, and Energy Management is being established to develop an international framework of academic and industry-related links. The labs will help in establishing and operating while also continuing education training in the fields of electricity, automation, and energy management.



CISCO NETWORKING ACADEMY

NHCE which is a member of The Cisco Network Academy has access to all its resources, course materials, services, online content, and other deliverables. Our College has integrated CCNA, and R&S courses into its syllabus. The Cisco CCNA Routing and Switching curriculum is designed For Cisco Networking Academy for students who are seeking entry-level jobs in the ICT industry or those who hope to fulfill prerequisites to pursue more specialized ICT skills.



SAP NEXT-GEN LAB

NHCE has signed a Memorandum of Understanding (MOU) with SAP and is an Associate Member of the SAP University Alliance (UA) program. As a result, as a member, it has access to a wealth of resources created in collaboration with faculty, students, SAP partners, and customers worldwide.



CAPGEMINI INDUSTRY 4.0 CENTER OF EXCELLENCE

In 2022, the Capgemini Centre of Excellence was established to train students in industry 4.0. Automation, Big DATA, Cloud Computing, Autonomous, IoT, and Data Management are the main components of Industry 4.0 technology. Capgemini has already selected 45 students from the 2022 batch for Industry 4.0 Technology.



CAPGEMINI ENGINEERING 5G CENTER OF EXCELLENCE

Capgemini Engineering 5G Center of Excellence was established at NHCE to increase the goal of increasing the employability of ECE students in this technology. Under the training program, the core Technology Knowledge is transferred to our trainers. Capgemini Engineering will also hire students who complete this course.

02

INDUSTRY

Sponsored Laboratories and Centers of Excellence



VERTICA CENTER OF EXCELLENCE

NHCE has signed an agreement with HP Enterprise to establish a Big Data and Data Analytics Centre of Excellence on campus, in collaboration with the state technology lab. The VERTICA Centre of Excellence focuses on providing students with knowledge of two major big data platforms: VERTICA (licensed) and HADOOP (open-source). A portion of the curriculum is geared toward students from a management standpoint, with various types of data modeling, analytics, and case studies included in addition to practical knowledge of VERTICA.



ALTAIR AI/ML/DATA SCIENCE CENTER OF EXCELLENCE

Altair Engineering provides educational institutions with the resources they need to assist educators in developing core computing knowledge and skills that are aligned with industry standards and use current technologies such as Data Science AI/ML so that they can teach students the skills they need to create better ML models.



IBM OPEN POWER ARTIFICIAL INTELLIGENCE CENTER OF EXCELLENCE

The IBM Open POWER AI Lab, as a Centre of Excellence (CoE), aims to prepare students to meet the challenging needs of industry and society in the field of Artificial Intelligence (AI), with the help of IBM AI-based hardware and software systems. IBM and Nvidia, the leaders in AI technology are extending an enticing offer to educational institutions. With this offer NHCE is now poised to lead the industry by riding the AI and Deep Learning wave.



CAPGEMINI ENGINEERING VLSI CENTER OF EXCELLENCE

Capgemini Engineering 5G Center of Excellence was established in NHCE with a Massive Open Online Course on Physical Design (VLSI) that encourages students to perform synthesis, floor planning, placement, and routing as per industrial standards using cutting-edge tools. Internship opportunities are also made accessible to students. Faculty members also take various physical design certification courses (VLSI). Exclusive sessional talks and workshops on physical design are given by experts from Capgemini Engineering as well as alumni who work in this field (VLSI).

03

INDUSTRY

Sponsored Laboratories and Centers of Excellence



VMWARE CENTER OF EXCELLENCE

VMWare has awarded New Horizon College of Engineering the status of VMWare IT Academy. VMware IT Academy Program (VITA) is designed to introduce students to Virtualisation and Storage technologies and equip them with the technical skills needed for the modern IT world. As a VMWare IT academy member, faculties and students gain access to technology and contents from VMware.



CAPGEMINI'S DIGITAL ENGINEERING AND MANUFACTURING SERVICES LAB

Capgemini's Digital Engineering and Manufacturing Services Lab provides students with several opportunities in the field of Digital Engineering & Manufacturing. It brings together deep domain expertise in technology, engineering, and manufacturing to lead the convergence of the physical and digital worlds.



AUTOMATION ANYWHERE BOT LAB

The Automation Anywhere BOT LAB Centre of Excellence provides students with the following opportunities:

- E-learning access
- Automation Anywhere Software
- Hands-on Training (TTT) and
- The global level certification



ORACLE ACADEMY LAB

NHCE, works in collaboration with Oracle Academy to improve educators and students to become technology innovators and leaders in the field of computing. Oracle Academy provides educational institutions with the resources they need to help educators develop core computing knowledge and skills aligned to industry standards and using current technologies so they can teach students the skills they need to succeed.



Amazon Web Services Academy

AWS COE is under Computer Engineering Department of NHCE. This COE is established through EduSkills recognised and approved by AICTE. Faculty of NHCE gets trained on AWS tools through online learning platform provided by EduSkills. All branches of Engineering Students can opt AWS tools as an open elective to earn credit as approved in the curriculum. This program enhances the employability quotient of the students across IT industry including Amazon. Students registered under this program are also provided an opportunity to pursue AICTE approved internship with Amazon.

04

INDUSTRY

Sponsored Laboratories and Centers of Excellence

CENTER OF EXCELLENCE IN ROBOTIC PROCESS AUTOMATION (RPA)

Robotic Process Automation (RPA) is an information technology application that enables company employees to configure computer software or a "software bot" to capture and interpret existing applications for:

- Processing a transaction
- Data manipulation
- Initiating responses and interacting with other digital systems
- RPA robots are changing the way we think about and manage:
 - Business operations
 - Procedures for IT support
 - Processes for workflow
 - Infrastructure in the field
 - Back-office duties

INDUSTRY CENTER OF EXCELLENCE PROPOSED FROM THE ACADEMIC YEAR 2022-23 ONWARDS.

- Juniper Networks
- Paloalto
- Microchip
- Celonis
- Red Hat Academy



IN ASSOCIATION WITH



Indian Society for
Technical Education

05

INDUSTRY COLLABORATIONS

 Microsoft

 Cognizant

 Infosys

 TATA
TATA CONSULTANCY SERVICES

 wipro

 eurofins

 Gallagher
Insurance | Risk Management | Consulting

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HEXWARE

 JMR

 LOWE'S

 Rakuten

 SANGHVI
SATVA
RESEARCH & CONSULTING

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1. TECHNOLOGY BUSINESS INCUBATION CENTRE

NHCE has actively supported 130+ active startups through the Technology Business Incubation Centre, and they are now operating under the banner of the Centre For Innovation and Entrepreneurship. During the last three years, the vibrant Patent Cell has assisted startups as well as other students and faculty members in filing nearly 264 patents! Industry-sponsored labs with cutting-edge facilities have been established at NHCE to foster a startup-friendly environment!

2. NEW HORIZON SCHOLARS PROGRAM

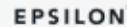
The New Horizon Scholars' Program is a focused initiative that identifies and prepares potential students in their second and third years for the best possible opportunities in the corporate world, government organizations, or higher education programs. To inspire young minds to focus their energy on emerging trends and technologies, the Scholar Program is ably supported with a good amount of mentorship from industry leaders and scientific establishments. The scholars participate in a variety of workshops, guest lectures on cutting-edge technologies, industrial visits, live projects, and hackathons to ensure that they get the most hands-on experience with the tools and technologies of their choice. The Scholar Lounge's goal is to instill a paradigm shift in the thought processes of the identified students who are referred to as Scholars. It guides students toward identifying a wise career goal. The ultimate goal of the scholar program is to provide the best combination of innovation, entrepreneurship development, skill enhancement, passion, and aptitude, as well as sound theoretical subject knowledge, which in turn prepares our students to be industry-ready and innovators of tomorrow, allowing them to pursue their passion and think beyond the job.

3. NEW HORIZON ENTREPRENEURSHIP DEVELOPMENT CELL (NH-EDC)

The New Horizon Entrepreneurship Development Cell's (NH-EDC) vision is to educate, mentor, and provide entrepreneurial resources to aspiring entrepreneurs, as well as to build an extensive resource pool to assist potential student entrepreneurs at NHCE. NHCE is one of the colleges chosen for the PM-YUVA Yojana (Pradhan Mantri Yuva Udyamita Vikas Abhiyan), which aims to develop an enabling ecosystem for entrepreneurship through entrepreneurship education. There is also an emphasis on entrepreneurship promotion and social entrepreneurship. Since its inception, NH-EDC has collaborated with the National Entrepreneurship Network (NEN) to conduct various activities for students to promote entrepreneurship on campus to raise their spirit of innovation and creativity. E-WEEK is one such initiative in which a variety of activities are held to inspire students, who are regarded as entrepreneur spark plugs.

KEY OBJECTIVES OF NH-EDC

- To serve as a conduit for ideas from students and experts.
- To introduce innovative training techniques for students who want to start their own business.
- To provide skilled faculty support and consultation.
- To prepare students for entrepreneurship and start-up ventures.



01

TRAINING & Placements

The Department of HRD - Corporate Relations, Learning & Development, and Placements at New Horizon College of Engineering (NHCE) is a one-of-a-kind Placement Department. This department is a pioneer in career development and placement. In September 2003, NHCE began placement activities for the first batch. Since then, several major corporations have made regular visits to NHCE. TCS, Wipro, IBM, Accenture, Cognizant Technology Solutions, Infosys, Tech Mahindra, Capgemini, Schneider Electric, NTT Data, Mu Sigma, Sattva Group, Triveni Turbines, Zenken Corporation, and Sony India, among others, pay regular visits to the institute.

Career development activities at NHCE include providing students with insights into the complex dynamics of the corporate world while also honing their knowledge of current critical industrial and business requirements. We provide an environment in which students can easily unlock their potential and develop the skills and insights needed to take on leadership roles in the business world. NHCE has signed memorandums of understanding (MOUs) with Capgemini, Wipro, TCS, Schneider Electric, Quest Global, HPE, SAP, VMware, and other major corporations.

Premier corporations have consistently given New Horizon College of Engineering the priority for their recruitment needs. Despite increasing enrolment year after year, we are pleased to secure nearly 100% placements for our students, as well as attractive packages.

It is our constant goal to place our students in high-quality positions at large corporations in a variety of sectors and industries. We are also dedicated to ensuring that our students have the best recruiting experience possible with each company.

▶ VISION

Allow Engineering and Management Studies students to start their careers in the organizations of their dreams.

▶ MISSION

Give students opportunities to interact with corporate executives. Prepare Horizonites on industry-required skills regularly.

▶ GOAL

Provide life skills training, career counseling, and job placement opportunities to all New Horizon College of Engineering students.

▶ QUALITY POLICY

The best students will be placed in top multi-national service and core/product companies. Others will be prepared based on their developmental needs, and new opportunities will be created for them in top organizations.



TRAINING OFFERED

I. CENTRE FOR LIFE SKILLS AND LIFE LONG LEARNING

▶ ENGLISH

- English Grammar
- Vocabulary
- Professional Communication
- Language Lab

▶ LIFE SKILLS

- Ownership
- Grooming and Personality Development
- Emotional Intelligence
- SWOT Analysis
- Team Building
- Attitude and Behavior
- Smart goal setting
- Articulation and group discussion
- Resume Building
- Personal Interviews
- Employability Skills
- Talent Transformation

II. INDUSTRY INSTITUTE INTERACTION CELL INTERNSHIP / VISITS

▶ CENTRE OF EXCELLENCE

- Cutting edge Technologies
- Domain Skills Training
- Industry Incubation
- Aspiration Profiling

▶ INDUSTRY INTEGRATION

- Career guidance
- Industries Expert Training
- Aptitude Training

BASIC ENGLISH COMMUNICATION TRAINING

During the first and second semesters of the students' course, Business English Communication (BEC) Certified Trainers lead sessions on verbal and written communication, as well as listening skills. The College Campus is set in idyllic surroundings, surrounded by fresh air and greenery on Bangalore's outer ring road, away from the hustle and bustle of the city. The imposing structure and lush green lawns are excellent salubrious ingredients for meaningful learning. Every effort has been made at this Campus to ensure that the main building meets high construction quality standards. In this Center for Learning, every last detail has been considered, planned, and carried out. On NHCE's beautiful campus, purpose-designed landscape and trees straddle the main block. The college, which is located in Bangalore's IT corridor, is a learning haven. A 700-seat auditorium constructed to international standards for intellectual activities such as paper presentations, seminars, workshops, debates, and inter-collegiate competitions. Guest lectures for students and faculty are held regularly.

APTITUDE DEVELOPMENT PROGRAM

In today's environment, aptitude development is critical at the graduation and postgraduate levels. Prospective candidates are evaluated by corporations and recruiters based on their aptitude, which includes quantitative, reasoning, verbal ability, data interpretation, and problem-solving skills. From the first year onwards, NHCE provides rigorous industry-relevant training by experienced trainers to all students to prepare them for major competitive examinations.

PERSONALITY DEVELOPMENT/ATTITUDE & BEHAVIORAL DEVELOPMENT PROGRAM

The philosophy of New Horizon is to mold each student's personality to fit their career goals. The training programs are designed for students who want to pursue high-level careers, who want to position themselves as entrepreneurs, and who want to further their education.

TECHNICAL/DOMAIN SKILLS TRAINING

Every year, the Training and Placement team at NHCE identifies technical and domain-specific areas to train students based on continuous market research. The Human Resource Development team meets with corporate executives and career development counselors regularly to ensure that students are industry-ready.

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BETSOL

BSR INFRA

BAJAJ CAPITAL LTD.

CONSULTING

CARMATEC IT

CELSTREAM

CENTRUM

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ZENKEN(JAPAN)
42GEARS MOBILITY SYSTEMS

Industry Collaboration

Autoliv India (P) Ltd	For ME students to get acquainted with latest safety technologies related to Aerospace Engineering
BCP Associates	To prepare students on Labour Law Compliance Management
CMC Ltd	For several high-end training programs
Cranes Software International Ltd	For setup of Analogue Teaching Lab
Capstone Business Simulation	For the certification program of 2nd Sem MBA Students
SAP R3 Training	
DBOI Global Services (P) Ltd	To train and develop faculty members
Daff-odil University, Bangladesh	For joint research activities
eFlow Gurukul Solutions (P) Ltd	For Software development, Solutions & Consultancy for Autonomous Stream students
E-Construct Design & Build (P) Ltd	For skill development & value-added consultancy for the students and faculty members
Eklakshya VLSI R&D Centre (P) Ltd	For joint development & certified short-term courses and long-term courses in VLSI, Embedded Systems, Product Design, etc.
Federation of Karnataka Chambers of Commerce & Industries	To foster industry-institution relationships
Fourth Dimension	To increase the market reach of the AE dept.
Guhring India (P) Ltd	For Internships, Project Work & Research initiatives
Hi-Tech Engineers, Bengaluru	Development of Collaborative Research Projects and Consultancy and Promotion of Technologies for start-ups.
Palrecha Engineering Works, Mumbai	
Knowledge Partner Technologies (P) Ltd, Chennai	
Infosys	For campus-connect programs
Intepat IP Services	For Patent filing support services
Iolite Services (P) Ltd	To deploy the admissions & examinations software application
Microsoft	Microsoft Learn for Educator Program
National Design & Research Foundation, Bengaluru	Development of Interdisciplinary Research Projects, Micro Air Vehicles, Marine Vehicles, etc.
People English	To introduce a standardized International Testing System for English and to acquire Cambridge English Certifications for students
Quest Global	Development of Centre of Excellence in the area of IIoT, where students of ME work with latest sensor technologies
Robogenesis	For one-day workshops based on POV
Sansera Engineering	For internships, projects & industry visits to ME & AE students
Skyfi Education Labs (P) Ltd	To conduct weekend training programs for students
Sakra World Hospital	For discounted services to students & staff- members
Sankalp Life Coaching Academy (P) Ltd	For personality & soft skills development programs for students
Sapspring Consulting	To impart professional training to students
Scaltech Solutions (P) Ltd	To conduct career-oriented programs for students
Trans Neuron Technologies (P) Ltd	To prepare graduating students on Programming Skills
Yuri Gagarin State Technical University of Saratov, Russia	To promote academic & cultural ex-changes in the area of faculty exchange

BENEFITS OF COLLABORATIONS

- Conduct high-end student training programs
- Campus Connect Program
- Development of Collaborative Research Projects and Consultancy, and Promotion of Technologies for Start-ups.
- To carry out internships, project work, and research
- To promote academic and cultural exchanges among faculty members.
- Organize a Personality and Soft Skills Development Program for Students
- To provide skill development and value-added consulting to NHCE students and faculty.
- For the collaborative development and delivery of Certified Short-term and Long-term courses in the domains of VLSI, Embedded Systems, Product Design, and so on.
- To organize a career-oriented program for students.

MEMBERSHIP (INSTITUTIONAL/STUDENTS) IN PROFESSIONAL BODIES

- DELNET
- IEI
- IETE
- ISTE
- CSI
- AIMA
- MTC GLOBAL
- AIMS
- BMA
- CMAI Association of India
- IISE
- EDAF
- IEEE
- FARE
- IJFF

STUDENT COUNSELLING CENTRE

All students have access to professional, confidential counseling services at the Student Counselling Centre. Counseling allows any student to discuss in private any concerns that may be affecting academic performance or personal health and well-being. Students' strengths are highlighted and maximized during the counseling process, with a focus on the client's self-growth, self-awareness, and self-acceptance. Counseling can help you gain a new perspective on a problem and, in the process, become more accepting of yourself. Counseling is typically provided one-on-one, is short-term in nature, is strictly confidential, and is free of charge.

VISION

To assist students in transforming all life challenges into opportunities for maximum academic achievement and optimal personal growth, so that they will eventually become valuable assets to society.

MISSION

- To create the best therapeutic environment possible through the application of appropriate counseling techniques for
1. Promoting the student's development in all areas of personal (mental, emotional, social, and physical) well-being and academic growth.
 2. Enabling students to get the most out of the resources available at NHCE.
 3. Assisting students from diverse social, economic, and linguistic backgrounds in adjusting to the demands of college life in a cosmopolitan city.
 4. Ensuring that students continue to progress on the path of self-awareness and discover new ways to maximize their potential and talents.

OUR PHILOSOPHY

The Counselling Centre is based on the simple philosophy of respect and honor; respecting individuality while honoring diversity. As counselors, we believe in our students' strength and resourcefulness, and that the solution to their life difficulties will emerge from within them. We believe in and are committed to providing a safe space for them to deal with their pains and struggles, touching them with compassion and understanding to bring about healing and renewed strength.



CONFERENCE ROOMS

One of the highlights of the New Horizon campus is the establishment of corporate standards. Here, ultramodern facilities for board meetings and campus recruitment are available.

VIDEO CONFERENCE ROOM

Allows two or more locations to communicate via simultaneous two-way video and audio transmissions using telecommunication technologies. This room serves as an online classroom as well. It has a recording facility for recording Guest Lectures for the benefit of students

SEMINAR HALLS

are designed with cutting-edge technology to meet the needs of every student. Seminar rooms are used for seminars, workshops, guest lecturers, and a variety of other intellectual activities.

LECTURE HALLS

In accordance with international standards, the Lecture Halls are light, spacious, and well ventilated. The extensive use of audio-visual media allows students to quickly grasp advanced technology.

CAMPUS FACILITIES

- WIFI campus
- Lecture halls
- Auditorium
- Seminar halls
- Parking facility
- Ambulance service
- RO drinking water
- Reprographics facilities
- Utility centre
- Bank & ATM
- Transport facility
- Indoor stadium
- Outdoor gym
- Indoor gym
- Sports ground
- Well-equipped laboratories
- Cafeterias
- Medical facility
- Round the clock security
- Book store & stationery shop
- 24-hour CCTV Surveillance

CANTEENS/CAFETERIA:

In accordance with international standards, the Lecture Halls are light, spacious, and well ventilated. The extensive use of audio-visual media allows students to quickly grasp advanced technology.

SPORTS FACILITIES:

Students have access to a variety of indoor and outdoor sports facilities at the college. The courts for Basketball, Volleyball, and Badminton are housed in an indoor stadium with state-of-the-art facilities, while a spacious and well-maintained ground allows students to play and hone their skills in Football, Volleyball, Basketball, and Tennis. A well-equipped indoor and outdoor gymnasium is also available on campus. On-campus, recreational facilities and indoor games such as chess and table tennis are available to stimulate and invigorate students intellectually and physically.



► Facilities

- WIFI Campus
- Lecture Halls
- Auditorium
- Seminar Halls
- Well Equipped Laboratories
- Cafeterias
- Medical facility
- Ambulance Service
- RO drinking water
- Reprographics facilities
- Utility Centre
- Round the clock security
- Book store & stationery shop
- Bank & ATM
- Transport facility
- Indoor Stadium
- Outdoor gym
- Indoor gym
- Sports Ground
- Dance Studio
- Parking Facility
- 24-hour CCTV Surveillance

► Library and Information Center

(Open 24 hours x 365days)

- Stack area
- Reference section
- E-Learning Center
- Open 24hrs /365 days
- Video conference room
- Faculty discussion room
- State of art digital library
- Books and stationery shop
- Discussion rooms
- Library spread over two floors
- 605 seating capacity reading Hall
- Over 47,418 volumes of latest books
- Online classroom with recording facility
- Member of Delnet, IEL, IETE, VTU Consortium, ISTE, CSI
- Remote access to subscribed electronic resources
- National and International print and online journals





Hostels

ACCOMMODATION FOR OVER 1200 STUDENTS ON CAMPUS

Hostels have been built to provide students with a safe and welcoming environment. On-campus, there are separate hostel facilities for boys and girls. The living areas are designed to promote harmony. We have gone to great lengths to keep the surroundings green and fresh. Such an environment fosters the development of productive thoughts and ideas. It serves as a student's "home away from home." Unlike other institutions, we see the dormitories as a place for students to study, relax, and socialize. On-campus, there are five separate hostel buildings for girls and boys.

- Wi-Fi in hostel blocks
- 24-hour power backup
- RO drinking water
- Hygienic kitchen & quality food
- Vegetarian & Non-vegetarian menu
- Choice of North & South Indian food
- Hot water facility
- Well-furnished rooms
- Laundry facility
- Single room (Boys' Hostel) for PG students
- Experienced resident wardens in each hostel
- Well-trained security
- 24-hour ambulance service
- 24-hour CCTV Surveillance

Ragging is a criminal offense and is strictly prohibited

DRESS CODE

The following dress code must be followed by students at all times while on campus.

For Boys:

- No shorts
- No headgears
- No overly torn jeans
- No chappals

For Girls:

- No shorts
- No short skirts/dresses
- No overly torn jeans
- No strapless tops
- No burkhas
- No headgears/headscarves

The dress code must be strictly followed. The college reserves the right to refuse entry to students who do not adhere to the dress code.



STUDENT CLUBS

ACADEMIC & EXTRA CURRICULAR CLUBS

01

▶ **Basic Science Humanities (BSH)**

- Genesis Club (Science Club)
- Math Horizon Club (Mathematics Club)

▶ **Computer Science Engineering (CSE)**

- Advanced, Contemporary and Emerging Technologies Club (ACE)
- Business and Information Technology Club (BIT)
- Mobile App Development Club (MDC)

▶ **Master of Computer Applications (MCA)**

- FOSS – Free Open Source Software Club
- EDAP – e-Designing and Publishing Club
- Adobe Creative Tech Clubs (ACT)

▶ **Electrical & Electronics Engineering (EEE)**

- Green Energy Club (GEC)
- E-Soft Club (ESC)
- U-Create Club (UCC)

▶ **Computer Engineering (Data Science)**

- CE.net

▶ **Mechanical Engineering (ME)**

- MecHorizon Club – (MHC)
- RoboHorizon Club – (RHC)
- SAP Next-gen Club – (SNC)

▶ **Civil Engineering (CIV)**

- Avishkar Club
- Prakruthi Club



STUDENT CLUBS

ACADEMIC & EXTRA CURRICULAR CLUBS

02

▶ Information Science Engineering (ISE)

- i-STUDENTS WORKING ON EMERGING TECHNOLOGY Club (i-SWET(G))
- i-Student Club for Research Utilizing Meta Knowledge Club (I- SCRUM)
- i-Cyber security & Ethical Hacking Club (i-CSEH)
- VMware International IT Academy
- New Horizon open source Technology Enthusiasts Club (NOTE)

▶ EXTRA CURRICULAR CLUBS

- Dance Club
- Music Club
- Art Club
- Literary Club
- Photography Club
- NSS Club
- Socio-Political Club
- Fitness Club
- Media Club
- Fashion Club
- Leo Club
- Green Warriors Club
- Rotract Club
- Drama club
- Alumni Club

▶ Electronics & Communication Engineering Club (ECE)

- Technology Sharing Club (TSC)
- Electronics Hobby Club (EHC)
- Professional Connect Club (PCC)
- New Horizon Rocketry Club (NHRC)

▶ SPORTS CLUBS'

- Volleyball Club
- Basketball Club
- Badminton Club
- Kabaddi Club
- Football Club

Note: The clubs are open to all the students of all the branches and streams.





SPORTS

Sports are played with zeal and passion at New Horizon Educational Institution. Regular exercise and physical fitness are emphasized. We ensure that our students receive the best coaching possible by employing a team of professional coaches for all games. Our watchwords are team spirit and the desire to deliver the best performance possible. Our students' technique, fitness levels, and overall performance in sports have all improved dramatically at New Horizon. Our students compete in tournaments regularly, including those at the state level.

Students have access to excellent sports facilities at the college. These facilities include grounds for tennis, football, volleyball, handball, kabaddi, basketball, and other sports, as well as an indoor stadium with state-of-the-art facilities housing indoor courts for basketball, volleyball, and badminton. The campus also has an outdoor and indoor gym, as well as recreational facilities where students can enjoy a variety of indoor games such as table tennis, carrom, and chess.



**NEW HORIZON
COLLEGE OF ENGINEERING**



**S.UTI (NHHS228)
REPRESENTED VTU VOLLEYBALL (W) TEAM**



**Y SAI KUMAR REDDY (NHHS228)
REPRESENTED VTU KABADDI (M) TEAM**



**SHRIYANA SREE (NHHS228)
REPRESENTED VTU BASKETBALL (W) TEAM**



**M ROSHITH KUMAR REDDY (NHHS228)
REPRESENTING VTU WRESTLING (M) TEAM**



**MADHUMITA K (NHHS228)
REPRESENTING VTU TABLE TENNIS (W) TEAM**

DEPARTMENT OF PHYSICAL EDUCATION AND SPORTS



1 GOLD MEDAL & 4 SILVER MEDALS IN VTU SINGLE ZONE INTER-COLLEGIATE WRESTLING & JUDO (M&W) COMPETITION 2022-23 HELD AT KLS VOTI HALLPALL.

DEPARTMENT OF PHYSICAL EDUCATION AND SPORTS



Winners in VTU Bangalore Central Zone Kabaddi (M) Tournament- 2022-2023 held at HSBICE, Bangalore



SECOND RUNNER-UP IN VTU BANGALORE ZONE BASKETBALL (W) TOURNAMENT-2022-2023 HELD AT BHSCE, BANGALORE.



Second Runner-Up in VTU Inter Zone Table Tennis (M) Tournament- 2022-2023 held at BHSCE, BANG.

SPORT	EVENT TITLE	EVENT DATE	RESULT
Power Lifting (M)	VTU Central Zone 2020-21	13-14 Mar 2020	1 Gold
Power Lifting (M&W)	VTU Inter-Collegiate 2019-20	30-31 Oct 2019	2 Gold
Best Physique (M)	VTU Inter-Collegiate 2019-20	14-15 Oct 2019	1 Gold, 1 Silver
	Mr. Utsav 2019	12-14 Apr 2019	Winner
	Mr. Utsav 2019	12-14 Apr 2019	2nd Place
	Mr. RIVIERA 2019	14-17 Feb 2019	2nd Place
	Mr. SEDC 2019	02-03 Mar 2019	2nd Place
Taekwondo (M & W)	VTU Inter-Collegiate 2019-20	14-15 Oct 2019	1 Gold
	VTU Inter-Collegiate 2018-19	10-11 Sep 2018	1 Bronze
Volleyball (M)	UMANG 2020	01-02 Feb 2020	Runners-up
	VTU Bangalore Central Zone	29th Nov- 9th Dec 2021.	Winners
	VTU Central Zone 2020-21	05-06 Mar 2020	Runners-up
	Chri-Spo	19th-22nd April 2022	Runners
	Sai Lio Trophy 2019 (State-Lev)	25 Apr 2019	Winners
	AMC Cup 2019	29-30 Mar 2019	Winners
	FISA Cup 2019	30-31 Mar 2019	Winners
	New Horizon Cup '19 (State-Lev)	11-12 Apr 2019	Winners
	Kreedostsav 2019	03-04 Oct 2019	2nd Runners-up
	Devadan Cup '18 (National-Lev)	01-03 Mar 2018	Winners
	VTU Central Zone 2018-19	02-03 Mar 2018	Winners
	VTU Inter-Zone 2018-19	05-06 Mar 2018	Runners-up
	Kreedostsav 2018	08-10 Mar 2018	Winners
	AZURA-2018 (State-Lev)	02-04 Apr 2018	Winners
	Samara 2018	17 Apr 2018	Winners
	BTL Cup 2018	11 Sep 2018	Winners
Volleyball (W)	VTU Bangalore Central Zone	29th & 30th Nov 2021	Runners-up
	AMC Cup 2019	29-30 Mar 2019	Winners
	FISA Cup 2019	30-31 Mar 2019	Winners
	New Horizon Cup '19 (State-Lev)	03-05 Apr 2019	Runners-up
Wrestling & Judo (M & W)	VTU Inter-Zone 2019-20	06-07 Sep 2019	1 Silver, 7 Bronze
	VTU Inter-Collegiate 2018-19	15-17 Oct 2019	2G, 1S, 5B
Table Tennis (W)	VTU Bangalore Central Zone	26th-29th April 2022	Runners-up
Weight Lifting (M)	VTU Inter-Collegiate 2019-20	14-15 Oct 2019	1 Silver
Weight Lifting (M & W)	VTU Inter-Collegiate 2018-19	28-29 Sep 2018	1 Silver

Sports Achievements In the academic year 2017-22 (Even Semester)

SPORT	EVENT TITLE	EVENT DATE	RESULT
Badminton (M & W)	AZURA-2018 (State-Lev)	02-04 Apr 2018	Runners-up
Badminton (M)	SPARDHA 2019	26-27 Sep 2019	Winners
Basketball (W)	SPIEL Cup 2020	08-13 Feb 2020	2nd Runners-up
	Malleshwaram Basketball Cup '20	25 Jan-02 Feb '20	Runners-up
	RVCE Momentum 2020	22-24 Feb 2020	Winners
	Ramaiah Cup 2019	10-11 Sep 2019	Winners
	New Horizon Cup '19 (State-Lev)	03-05 Apr 2019	Winners
	Kreedostsav 2019	03-04 Oct 2019	Runners-up
	RVCE Momentum 2018	17-19 Feb 2018	Winners
	VTU Central Zone 2019-20	10 Apr 2019	Winners
	VTU Inter-Zone 2019-20	11-12 Apr 2019	Winners
	Kreedostsav 2018	08-10 Mar 2018	Winners
	Ramaiah Cup 2018	22-24 Sep 2018	Winners
	SPARDHA 2018	03-04 Oct 2018	Winners
	AZURA-2018 (State-Lev)	02-04 Apr 2018	Winners
	Bangalore Central Zone 2018-19	12-13 Apr 2018	Runners-up
	VTU Inter-Zone 2018-19	14-15 Apr 2018	Runners-up
	Malleshwaram Cup 2018	04-11 Feb 2018	Runners-up
Basketball (M)	DEVADAN Cup 2020	27-29 Feb 2020	Winners
	VTU Bangalore Zone	16th-18th Dec 2021	2nd Runners-up
	Ramaiah Cup 2019	10-11 Sep 2019	Runners-up
	VTU Central Zone 2019-20	16-17 Sep 2019	Runners-up
	VTU Inter-Zone 2019-20	26-27 Sep 2019	Winners
	Kreedostsav 2018	08-10 Mar 2018	Runners-up
	AZURA-2018 (State-Lev)	02-04 Apr 2018	Runners-up
	VTU Central Zone 2018-19	14-15 Sep 2018	Runners-up
Football (M)	SPARDHA 2019	26-27 Sep 2019	Runners-up
	AZURA-2018 (State-Lev)	02-04 Apr 2018	Runners-up
Handball (M)	DEVADAN Cup 2020-21	27-29 Feb 2020	Runners-up
	VTU Central Zone 2019-20	02-03 Apr 2019	1 Silver, 7 Bronze
	VTU Central Zone 2018-19	13-14 Mar 2018	2G, 1S, 5B
Hockey (M)	VTU Central Zone 2019-20	15-16 Apr 2019	Runners-up
Kabbadi (M)	VTU Inter-Zone 2021-22	14th Dec 2021	Winners
	VTU Inter Zone 2021-22	16th-17th Dec 2021	2nd Runners-up

CELEBRITIES

BOMAN IRANI

Indian film and theatre actor



HITA AMBRISH JI

Spiritual Mentor, Vrindavan, India



ON CAMPUS

Popular Singer

DHVANI BHANUSHALI



Indian film actor and comedian

KRISHNA ABHISHEK





Give Wings to Your Ideas

Udaan is a mega entrepreneurship event Udaan, which is the vision of our Honourable Chairman of New Horizon Educational Institution Dr. Mohan Manghnani for all the students of New Horizon to make them independent and self-reliant in all senses. Udaan is one of the biggest launchpad of startups from our campus as advocating creativity, innovation and entrepreneurship. UDAAN also signifies support to the Aatmanirbhar Bharat Abhiyaan, the self reliant India campaign, which is the vision of new India, envisaged by our honourable Prime Minister, Shri Narendra Modi, following the mantra, "Lets innovate for India, innovate from India. Udaan aims at identifying and producing more than 100 startups. Once the students register and shortlisted for the journey they would go through a detailed process of learning, training and mentoring, helping them to convert their ideas into business opportunities. Participants will get to meet founders, co-founders, investors, increasing their network, meeting with mentors who will guide them for the preparation of the business plans leading to the seed funding.



Intercollegiate Cultural Fest - Sargam

SARGAM is a state-level intercollegiate cultural festival hosted by New Horizon Educational Institution each year. NHEI believes in providing excellent opportunities for students to participate in a wide range of diverse and challenging activities. Sargam is a platform for students to realise their full potential. Students learn skills such as event management, interpersonal communication, and team building through this programme.

The SARGAM fest brings together students from various educational institutions, providing an excellent platform for them to showcase their talent and win monetary prizes. It combines the PUC and PG students from various streams across the state under one roof. Sargam was held on the 20th and 21st of September, 2019, with the special and unique theme 'PANCHA BHootA-Essence of the Universe.'

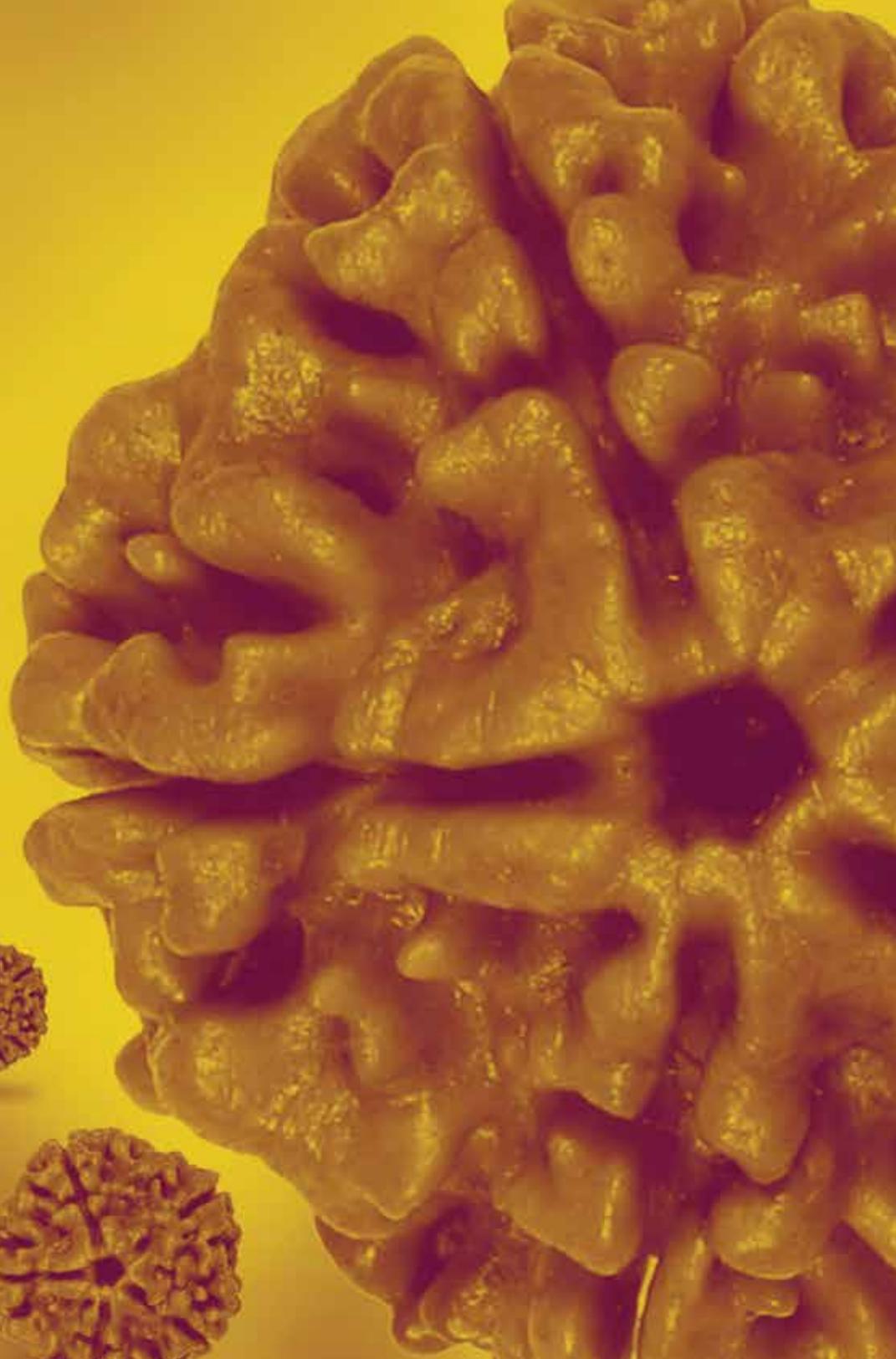
Sargam 2019's theme, 'PANCHA BHootA,' challenged and entertained students with a variety of competitive events, as it had in previous years. Painting, Mime, Acapella, Freeze IT (photography), L. A Model, Switch Foot, DJ wars, Street dance, Quiz, Battle of Bands, Contemporary Dance (group), Street Play (group), Computer Gaming, Improv, Aircrash, B-Boying, and the Mega event Maha Tattva were among the 20 competitions held in the New Horizon Knowledge Park.



RUDRAKSHI 2020

Department of Management Studies, New Horizon College of Engineering, organizes Management Fest “RUDRAKSH”- “a state level intercollegiate fest” which is held during the month of Feb/March, every year. The fest is a management oriented event that provides a platform for the students to share knowledge and also help them showcase their managerial, leadership and entrepreneurial skills through interaction and innovation. Every year Rudraksh has a different theme and events. Both, the undergraduate and postgraduate students from various specializations and streams participate in Rudraksh from the colleges across Karnataka..

Rudraksh is designed around activities related to Human Resource (Vyakshya), Finance (Vitta), and Marketing (Mantram) domain which will let the students experience the challenges they would be facing in the future in their respective fields. In addition, we have an event titled “Chakravayuh” dedicated to identifying the best manager who has the potential to direct an organization towards success. To identify the best Talent, we have "Kalakaar"-- a cultural event that helps in exploring the talent of young minds, individually as well as in Groups. The events focus on helping the students to empathize the role they would be playing in the future.







NEW
HORIZON

SHARAD KENU KALANT BLOCK



NEW HORIZON
COLLEGE

MARATHAHALLI-BENGALURU

ABOUT NHC

NEW HORIZON COLLEGE permanently affiliated to Bengaluru North University, Karnataka is one of the leading educational institutions of the state endeavoring to provide excellent education and over all grooming to aspiring leaders. Its mission is to create world class professionals by enlightening, educating, inculcating and imbibing a sense of professionalism in every student. Besides a thorough training and instruction on the curriculum based module imparted by the most efficient set of faculty members, meticulous effort is also made to hone the required skills in the students to create well-groomed professionals competent enough to make their presence felt in the international stage.

The college campus is located on the IT corridor of Bengaluru and surrounded by MNCs and IT giants like Intel, Accenture, Capgemini, ARM, Symphony, Wipro, Nokia, JP Morgan and Cisco to name a few. The college offers Bachelor of Business Administrations (BBA) and Bachelor of Commerce (B.Com) in 3 different streams – Global/Professional/Executive and Bachelor of Computer Applications (BCA) in 3 different streams – Executive/Global/Professional

ACCREDITATION STATUS: AWARDED WITH GRADE 'A' BY NAAC..

VISION

To impart student centric education and empower them to fulfill their academic and professional passions in an environment that is diverse, vibrant, and inclusive.

MISSION

The Mission of the college is to groom holistic individuals capable of critical and lateral thinking, with the ability to preserve and transmit knowledge, wisdom and values that will instill self-fulfillment and competitiveness.

VALUES

To edify students to uphold integrity, civility and honesty, to relentlessly pursue excellence, to embrace diversity and inclusion, and to ignite creativity, inquiry and scholarship. Our sole aim is to teach, learn, interact, nurture and equip them to be responsible citizens.

QUALITY POLICY

To benchmark education services of highest quality so that our students can confidently serve industry and society equally well here and abroad.

COURSES ARE OFFERED IN THREE DIFFERENT STREAMS - GLOBAL/ PROFESSIONAL/ EXECUTIVE

- Bachelor of Commerce (B. Com)
- Bachelor of Business Administration (BBA)
- Bachelor of Computer Applications (BCA)



NEW HORIZON
COLLEGE

KASTURINAGAR-BENGALURU

Awarded “THE MOST PROMISING EDUCATIONAL INSTITUTION IN KARNATAKA-2016” BY HIGHER EDUCATION MAGAZINE 2016

ABOUT NHC

New Horizon College is affiliated to Bengaluru North University. The scenic and serene college campus provides an environment that is conducive to the personal and intellectual growth of a student. With the objective to produce world-class professionals, care is taken at every step to enlighten, educate and to inculcate in every student, the passion to become a forerunner, and a sense of professionalism that prepares them to meet the changes and challenges of the competitive world.

Practical educational experiences and multimedia-enhanced classroom capability blends with traditional instruction, allowing us to give students an advantage as they strive to fulfill their career goals. The college offers Bachelor of Business Administrations (BBA), Bachelor of Commerce (B.Com) and Bachelor of Computer Applications (BCA) in 3 different streams – Executive/Global/Professional

VISION

To be recognized as an eminent and distinguished Institution and to impart quality education to all our student's, giving rise to future leaders.

MISSION

To provide a stimulating learning environment that nurtures intellect and creativity in order to encourage innovation and create leaders and trailblazers. To prepare our students for the vigorously competitive world and enable them to achieve excellence in their chosen field through our teaching pedagogy.

VALUES

To enlighten students to uphold reliability, civility and honesty, to relentlessly pursue excellence, to embrace diversity and to ignite creativity. Above all, we aim to foster in our students, a desire to give back to our society and a will drive the nation forward.

GOAL

To endow with education of the highest quality to create industry ready students who contribute to society and nation building.

COURSES ARE OFFERED IN THREE DIFFERENT STREAMS - GLOBAL/ PROFESSIONAL/ EXECUTIVE

- Bachelor of Commerce (B. Com)
- Bachelor of Business Administration (BBA)
- Bachelor of Computer Applications (BCA)



NEW HORIZON
PRE-UNIVERSITY COLLEGE

ABOUT NHPUC

New Horizon Pre-University College (NHPUC), established in the year 1982, is recognized by the Department of Pre-University Education, Government of Karnataka. New Horizon Pre-University College offers Science & Commerce streams. The syllabus is as prescribed by the Department of Pre-University Education, Government of Karnataka.

VISION

To be recognized as an innovative and creative institution renowned for its focus on delivering to the world highly innovative students with the ability and agile mindset to be entrepreneurial and socially responsible global citizens who can navigate the complexities of a rapidly changing world.

MISSION

Our mission is to educate the citizens for the upliftment of the society. We do this through our commitment to the transformative power of education. Beginning in the classroom with exposure to new ideas and new ways of understanding, our students embark on a journey of intellectual transformation. Intellectual transformation is deepened and conditions for social transformation are created. From this we hope that students will begin to fashion their lives by gaining a sense of what they want to do with their talents, assessing their values and interests and learning how they can best serve the society.

VALUES

At New Horizon, we believe in imbuing in our students, a strong work ethic, a sound moral compass, respect, thirst for knowledge and a belief to persevere until the goal is achieved. We encourage all our students to not only be a part of a change but to be the change themselves. We teach our students the importance of serving the nation and helping in uplifting the weaker sections of the society.

GOAL

For our students – To provide students with the best possible learning experience.

For our people – To optimize the experience and expertise of our people and help them make the best possible contribution towards the student experience.

For our community – To contribute and respond to the social and environmental well-being of our community.

SCIENCE

- PCMB (Physics, Chemistry, Mathematics and Biology)
- PCMC (Physics, Chemistry, Mathematics and Computer Science)
- PCME (Physics, Chemistry, Mathematics and Electronics)

COMMERCE

- CEBA (Computer Science, Economics, Business Studies and Accountancy)
- SEBA (Statistics, Economics, Business Studies and Accountancy)
- BmBASt (Basic Maths, Business Studies, Accountancy and Statistics)

LANGUAGES

- English
- Kannada/ Hindi/ Sanskrit/ French*

*On demand by paying additional fee, kindly insist to know the fee amount during counseling session

PUC INTEGRATED - SCIENCE / COMMERCE

New Horizon Pre-University College also offers PUC Integrated program, additional coaching for various entrance examinations such as JEE ADV/JEE MAINS, NEET, AIIMS & CA-FOUNDATION by exclusive expert trainers. Exclusive course material, practice sets, online tests, in addition to offline pen and paper tests are provided to students opting for the program. Additional Classes are Conducted during the summer vacation for the second year PUC students for JEE (Mains & Advanced) BITSAT/CET, JIPMER, NEET, AIIMS & CA Foundation before their classes commence in the month of May/June. Bridge course for I PUC Students will be conducted in the month of May/June.



NEW HORIZON
PUBLIC SCHOOL

RANKED NO:1 IN INDIA, BASED ON ICSE RESULT - 2014

ABOUT NHPS

New Horizon Public School is one of the premier public schools in Bengaluru. Strategically situated on the 100 Feet Road, Indiranagar, the School has an imposing history of 35 years in the field of education, with a vision and mission to impart holistic education to its students. Committed to the cause of excellence in education, New Horizon Educational Institution has eight units under its wings, providing quality education from the pre-primary to the post-graduate level. New Horizon Public School is a co-educational school and is affiliated to the Council for the Indian School Certificate Examination, New Delhi. From its inception, the school has always targeted student empowerment by exploring and expanding the horizons of knowledge. It is a matter of immense pride that New Horizon Public School has been producing 100% results in the ICSE board from 1991 onwards. Total quality education that aims at excellence in performance has made this feat possible. From its inception, New Horizon Public School has groomed hundreds of young minds into becoming the best brain bank of young India. The students who pass out of the school are living examples of excellence, having been nurtured by its value-based education in the formative period of their life. Education at New Horizon is more an awakening rather than a transference of knowledge. Our motto "In Pursuit of Excellence" does not just refer to academic excellence, but to human excellence, resulting from true educational empowerment.

VISION

To be a world-renowned school recognized for our distinguished teaching pedagogy. Our vision is to see every New Horizonite emerge as a trailblazer, holding the torch of knowledge and armed with learning enhanced by national, global and multicultural perspectives.

MISSION

Our mission is to offer unparalleled education to students from different walks of life and help them become enlightened individuals. We aim to create an environment of motivation and support to empower our students to become front runners in their chosen field. We endeavor to develop the personality and character of our students by reinforcing an atmosphere of respect and human dignity.

VALUES

We believe that focus on value based education inspires children to adopt values of integrity, discipline and to live by them. A strong spiritual, moral & cultural environment contributes to the student's academic success, along with excellent personal character development.

CORE VALUES

Compassion for fellow beings. Integrity in thought, word and deed. Respect for our ancient traditions and values. Emphasis on moral, social and intellectual ethics. Respect for individuality and responsibility towards society. Bringing about, in every student, an all round educational effectiveness.

WHY NHPS?

- Unparalleled academic track record – 100% results
- More than 98% of our student get distinctions and first classes in exams
- Emphasis on moral values and ethics
- Extracurricular activities and sports
- Good Infrastructure – library, labs and sports facilities



NEW HORIZON
INTERNATIONAL SCHOOL

ABOUT NHIS

New Horizon International School is the latest venture under the aegis of NHEI. At NHIS, we open the doors to a world of opportunities, to create individuals who are inherently Indian, but at the same time, true Global Citizens.

We provide a choice of two comprehensive teaching pedagogies & curriculums –

- The Cambridge Assessment International Education [CAIE] curriculum for students from Primary up until Grade 12
- The HYBRID CBSE State Board curriculum for students from Primary up until Grade 12

VISION

To provide a comprehensive multidisciplinary learning experience that empowers our students to become successful Global Achievers and Pioneer Innovators.

MISSION

To integrate the cardinal skills of Critical Thinking, Communication, Collaboration and Creativity with a teaching pedagogy that focuses on Skill Development to ensure that our students are ready to tackle life's challenges and emerge as indisputable leaders.

GOAL

Our goal is to offer our students, a world-class international curriculum that has been seamlessly amalgamated with our country's rich culture and the wisdom of our sages to enable our students to become well-rounded individuals, exemplifying knowledge encompassing all aspects of life.

VALUES

Our values are deep-rooted in our great Indian Culture and we follow them unequivocally to ensure that our students develop a moral conscience that will help them become the best version of themselves. In order to accomplish our mission, we have adopted a shared set of values that unite us together, providing purpose, structure and inspiration.

WHY NHIS?

At NHIS, our students are taught to be not just intelligent, but also wise. They are taught to not just absorb knowledge, but to create it. They are taught to not just replicate, but to innovate. We wholeheartedly believe in the exceptional power of our students and realize that they are catalysts of change and are capable of changing the world. Our campus is meticulously designed to inspire new ideas and ignite curiosity in our students to awaken the innate genius within them. We have adopted a multidimensional approach to kindle young minds and generate leaders, who are trailblazers and beyond mere professionals. Globalization has made the world smaller and more accessible, giving rise to a need to be globally relevant. Our Cambridge curriculum sets a global standard. The Cambridge curriculum is flexible, challenging, and inspiring, designed to develop informed curiosity and a lasting passion for learning. At the heart of our teaching pedagogy lies the idea that a teacher's task is not to mould a child but to rather create an environment in which a child's individuality can unfold to reveal who they really are and what they wish to become. A fine blend of western knowledge and India's ancient wisdom has been incorporated in our curriculum to ensure that our students receive education of the highest quality while at the same time gaining insight into the richness that our country has to offer.





NEW HORIZON EDUCATIONAL INSTITUTION

NEW HORIZON COLLEGE OF ENGINEERING

Established 2001

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NEW HORIZON COLLEGE KASTURINAGAR

Established 1998

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☎ +91-80-2542 9362 / 65, +91-98860 47078

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NEW HORIZON PUBLIC SCHOOL

Established 1970

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☎ +91-80-2526 1735, +91-80-2526 1021

🌐 www.nhps.in follow us on   



NEW HORIZON COLLEGE MARATHAHALLI

Established 1998

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🌐 www.newhorizoncollege.co.in follow us on   

NEW HORIZON PRE UNIVERSITY COLLEGE

Established 1982

✉ admissionsnhpuc@newhorizonindia.edu

☎ +91-80-2542 9362 / 65, +91-98860 47078

🌐 www.nhpuc.in follow us on   

NEW HORIZON INTERNATIONAL SCHOOL

Established 2022

✉ admissions@newhorizoninternationalschool.in

☎ +91-99000 46070, +91-97417 55044

🌐 www.newhorizoninternationalschool.in follow us on   

NEW HORIZON GURUKUL

Established 2010

✉ admissions@newhorizongurukul.in

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entire North India

