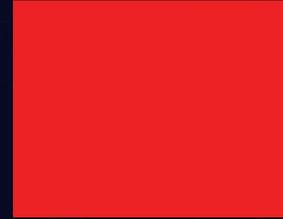




# NEW HORIZON COLLEGE OF ENGINEERING



# BROCHURE



### 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.

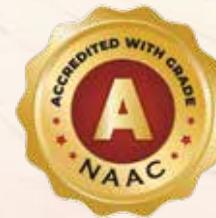




New Horizon College of Engineering is Ranked in  
**BAND - EXCELLENT**

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

# ABOUT US

## NHEI

New Horizon Educational Institution, established in the year 1970, is dedicated to creating the leaders of tomorrow. NHEI has a glorious history of 50 years as one of the most premium institutions in the country, providing quality holistic education ranging from kindergarten up to PhD. The institution has tie-ups with various MNCs, international universities and also boasts of numerous Centres of Excellence within the campus, to provide a comprehensive multi disciplinary platform to all our students to empower them to reach their pinnacle of knowledge. The Government of Karnataka has conferred the prestigious Karnataka Rajyotsava State award for the year 2012 to New Horizon Educational and Cultural Trust for outstanding contribution in the field of education and social service in the state of Karnataka.

## NHCE

New Horizon College of Engineering, established in the year 2001, is an autonomous college permanently affiliated to Visvesvaraya Technological University (VTU), approved by the All India Council For Technical Education (AICTE) & University Grants Commission (UGC). It is accredited by NAAC with an 'A' grade. All UG courses are accredited by the National Board of Accreditation (NBA). NHCE offers a range of Undergraduate, Postgraduate, Professional and Research Programs. The scenic and serene campus of NHCE is surrounded by major information technology giants like Intel, Accenture, Aricent, Cisco, JP Morgan, Symphony, etc to aid in the development of knowledge. NHCE provides an environment that is conducive to personal, intellectual, and professional growth.





# 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

- Degree awarded with the name of VTU.
- Academic freedom to the college to frame the syllabus and customize it as per industry needs.
- Better subject choice and a wide range of elective subjects.
- Enhanced employability of students through hands-on project experiences.
- Choice Based Credit System (CBCS) for holistic measurement of student's performance.
- Equal weightage to both internal and external examinations.
- Provisions for make-up examination immediately after the semester results are declared.
- Opportunities for internship in reputed MNCs and R&D Labs of renowned industries.



# Courses 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)

### ▶ ELIGIBILITY CRITERIA

#### **B.E**

The student should have passed 2nd PUC/12th standard with English as one of the languages and should have scored an aggregate of 45% in Physics and Mathematics as compulsory subjects along with Chemistry/Computer Science/Electronics/Biology.

#### **MBA**

A student should have passed their Bachelor degree with not less than integer 50% in the aggregate of all the years of the degree examinations.

#### **MCA**

The student should have passed a Bachelor's degree with not less than integer 50% with Maths or Stats or Comp. Science or Comp. Programming or Comp. Applications or Business Mathematics or Business Stats as one of the optional or elective subjects.

#### **M.Tech**

The student must have a Bachelor's Degree in Engineering or Technology in Computer Science and Engineering/Information Science. GATE: CS is necessary.

### ▶ RESEARCH PROGRAMS

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

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

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# 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

**TODAY  
A READER  
TOMORROW  
A LEADER**

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## 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

# 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)

## ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

### STREAMS: G-GLOBAL, P-PROFESSIONAL

		G	P	SEM
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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

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## ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

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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.	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

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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.	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

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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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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.	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

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## ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

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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 Vechicle 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

## 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

## 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
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.	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

## 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

## ACADEMIC SCHOLARSHIP

I YEAR BE PROGRAMS		
DESCRIPTION	NEW HORIZON PU STUDENTS	STUDENTS FROM OTHER SCHOOLS AND COLLEGES
Above 85% in II PUC/12 <sup>th</sup> 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/-

# TESTIMONIALS

## **SHASHWAT PATHAK**

BE-MECH, 2022 BATCH

Being a part of New Horizon College Of Engineering has not only given me the opportunity to explore my potential but has also given me wings to achieve my dream of getting placed in Capgemini. I would like to thank my HOD Mechanical Department Dr Shridhar Kurse, faculty, GCS Sir and the entire placement cell for being supportive and always pushing me to deliver my best. I will always strive for excellence, work hard and make everyone proud.



## **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.



## **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 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.



# TESTIMONIALS

## **NITHIN M**

BE-CIVIL, 2022 BATCH

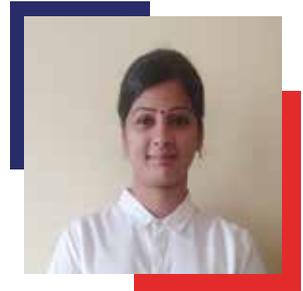
New Horizon College of Engineering is a great institution. The staff and instructors are helpful. Their strong academic curriculum, and a variety of student resources created an excellent learning environment for me to gain practical skills and most importantly, confidence in the workplace. The department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



## **SUBBULAKHMI R**

MCA, 2022 BATCH

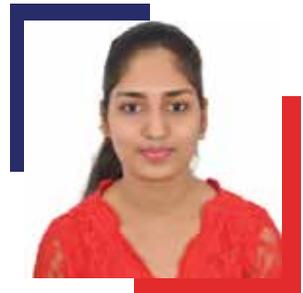
I had a wish of becoming a software engineer, but I had an eight year gap after completing my undergraduate degree. I decided to join NHCE when I came to know it is one of the top colleges in Bengaluru offering an MCA course. All our subjects in my MCA program were interconnected with the latest industry standards of software technology, and this helped me land a job in the IT industry. NHCE mentored us & prepared us for the interview. Special thanks to Prof. Guru Charan Singh, all HRD department staff, and all the Faculty at NHCE that contributed to kick starting my professional career.



## **HARSHINI C**

MCA, 2022 BATCH

I am grateful for being a part of New Horizon Institutions. I started my schooling at NHPS and graduated from the MCA Department of NHCE. NHCE has taught me how to stand out confidently from the crowd. The MCA department is very encouraging and brings out the best from their students. The HRD department is top notch. From zero knowledge about placements, HRD trains you with all the skills and knowledge you need to crack the interviews. I am proud to graduate with two offers in hand. Thank you, Horizon!



## **Vikram Sundar K**

MCA, 2022 BATCH

My experience in New Horizon College of Engineering has been wonderful. Various opportunities in the field of academics, sports, extra curricular etc are provided by the college from time to time which helps in building up the overall skills of an individual. The college campus is enormous and is equipped with cutting-edge laboratories for different branches along with a hygienic and well maintained cafeteria.





# 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.

# 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.



#### **CAMPGEMINI 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

  
HEXAWARE

 JMR  
INSURE  
BANK ALONG

 LOWE'S

Rakuten

 S  
SMARPURIA  
 SATTVA  
TRUST. IT'S WHAT WE BUILD

 STUP Consultants Pvt. Ltd

Autoliv

 ALTAIR

 PROTECT  
INFRASTRUCTURE  
SYSTEMS PVT. LTD.

 Shriram  
Properties  
Homes that live in you

VOLVO  
VOLVO GROUP



# 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

NHCE has actively collaborated with the Ministry of National Education in France on a variety of educational activities and collaborations over the last two years. On March 12, 2018, an agreement was signed between NHCE and the French Ministry of National Education to facilitate student exchange programs between NHCE and various French universities. As a result of this agreement and several visits to France by the NHCE delegation, 43 seventh-semester students from all B.E branches began and completed an 11-week student exchange program in reputed French universities beginning in September 2018, and 47 seventh semester students in the academic year 2019-20. 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.**





## **INDO-ISRAEL COLLABORATION FOR LAUNCHING STUDENTS' SATELLITE**

A nano-satellite built by Israeli high school students was launched to the International Space Station on April 18 and this nano-satellite was one of the 28 student-built nano-satellites were sent into space. Israel holds prominence in the field of nano-satellites and micro-satellites. NHCE as a Founder of 75 Students' Satellites Consortium promoted by Indian Technology Congress Association (ITCA) is having working relationships with Dr.Meir Ariel, Director, Herzliya Science Center, and Centre for Nano Satellites, Tel Aviv University, Israel, and involved in collaborative projects under the 75 Satellites Programme: Mission 2022 to celebrate India's freedom 75 Years in 2022 by launching 75 Students Satellites by Indian Institutions! NHEI/NHCE Collaborating with Israel Satellite for Launching it with PSLV, India. The Israeli Student Satellite Duchifat-3 is an experimental and educational spacecraft designed and built by secondary school students at the Herzliya Science Centre (HSC) in Israel. It is built to the 3U CubeSat standard (10 cm x 10 cm x 30 cm with an approximate mass of 2.5 kg) under the supervision of Dr.Meir Ariel, Director of the Nano-Satellite Centre at Tel Aviv University and Director of the Herzliya Science Centre in Israel, who has been instrumental in the design of the longest-serving Nano Satellite in orbit. Duchifat 3 will be launched by PSLV from India between July and October of 2019. ITCA is coordinating launch support, with the NHCE Students' Satellite Team actively participating.

### **DUCHIFAT-3 HAS THREE MISSIONS THAT WILL OPERATE PARALLELY:**

- Educational satellite for a high-school student
- Earth imaging camera onboard
- Transponder for amateur radio and APRS digipeater

### **SERBIA INTERNATIONAL CANSAT / ROCKETRY**

We are pleased to announce that the NEW HORIZON COLLEGE OF ENGINEERING team took first and second place in the SERBIA INTERNATIONAL CANS AT/ ROCKETRY COMPETITION, which took place in Serbia from October 3rd to October 6th, 2019! All four NHCE teams also received University Space Engineering Consortium (UNISEC) Global Special Jury Awards!

## 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.



# 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.

## **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.

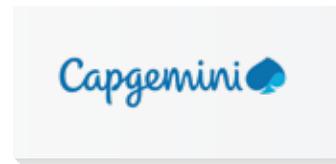
# COLLEGE TO CORPORATE

## TRAINING & PLACEMENTS

### ALL STUDENTS GET 100 PERCENTAGE PLACEMENT OPPORTUNITIES

100% PLACEMENT OPPORTUNITIES ARE PROVIDED TO ALL B.E. STUDENTS. New Horizon College of Engineering's (NHCE) mission is to develop capable engineers and business managers with life skills such as providing solutions to complex problems, re-engineering processes, and adding value to businesses. Beyond the academic curriculum, all of our students are taught the necessary skills to produce competent and astute individuals. New Horizon College of Engineering has a focused Human Resource Development Department that was created to move away from the traditional Training and Placement process towards a broader approach of instilling a learning environment as well as understanding and acclimating to changing technological advancements, resulting in holistic development in the student. All students at New Horizon College of Engineering receive four different structured interventions, namely Aptitude Development Training, Basic English Communication, Domain/Technical Training, and Attitude and Behavioral Development.

### NHCE HAS SIGNED MOUs WITH



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# REVOLUTIONARY INFRASTRUCTURE

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# Facilities

## Library and Information Center

### ▶ 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

### ▶ (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,IEI, 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.**



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.





# NEW HORIZON EDUCATIONAL INSTITUTION

## NEW HORIZON COLLEGE OF ENGINEERING

Established 2001

✉ admissionsnhce@newhorizonindia.edu

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🌐 [www.newhorizonindia.edu/nhengineering/](http://www.newhorizonindia.edu/nhengineering/) follow us on   

## NEW HORIZON COLLEGE KASTURINAGAR

Established 1998

✉ admissionsnhck@newhorizonindia.edu

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

🌐 [www.newhorizonindia.edu/nhc\\_kasturinagar/](http://www.newhorizonindia.edu/nhc_kasturinagar/) follow us on   

## NEW HORIZON PUBLIC SCHOOL

Established 1970

✉ admissionsnhps@newhorizonindia.edu

☎ +91-80-2526 1735, +91-80-2526 1021

🌐 [www.nhps.in](http://www.nhps.in) follow us on   



## NEW HORIZON COLLEGE MARATHAHALLI

Established 1998

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## NEW HORIZON PRE UNIVERSITY COLLEGE

Established 1982

✉ admissionsnhpuc@newhorizonindia.edu

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

🌐 [www.nhpuc.in](http://www.nhpuc.in) follow us on   

## NEW HORIZON INTERNATIONAL SCHOOL

Established 2022

✉ admissions@newhorizoninternationalschool.in

☎ +91-99000 46070, +91-97417 55044

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## NEW HORIZON GURUKUL

Established 2010

✉ admissions@newhorizongurukul.in

☎ 080-4814 7031 / 34 / 35

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entire North India

