Dr. Mohan Manghnani, Chairman, NHEI met Prime Minister Narendra Modi and donated a cheque of Rs. 5 crore as a contribution towards Swachha Bharat Abhiyan.
New Horizon Educational and Cultural Trust received the prestigious 'Rajyotsava State Award 2012' conferred by the Government of Karnataka.
AWARD
FOR FILING HIGHEST NUMBER OF PATENTS

PRESENTED TO
NEW HORIZON COLLEGE OF ENGINEERING
BANGALORE
New Horizon Educational Institution, one of the premier educational institutions of Bangalore, was established in 1970. NHEI has an imposing history of innovative education, with a vision and mission to impart holistic education to all its students. Strategically situated in the prestigious IT capital of India, Bangalore, New Horizon Educational Institution has grown by leaps and bounds. New Horizon Educational Institution, constantly strives “in Pursuit of Excellence” and imparts the kind of education that makes our country proud. The name “New Horizon” is synonymous with creditable performance, committed training, honing of skills, manifestations of talents, nurturing of character and development of a holistic personality.Under the umbrella of New Horizon Educational Institution there are seven high-performing Institutions that take care of the educational needs of a student from the Pre-primary level to the professional stage. 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, every Institution here follows the New Horizon key philosophy that encompasses two important things to succeed in Life: the Mission Possible Theory and the Conviction that every problem has a solution.

VISION

Our vision is to establish centers of educational excellence that offer challenging learning environments that encourage high expectations for success through knowledge creation, development of skills and promotion of values

MISSION

New Horizon Educational Institution seeks to provide education that will inspire students to achieve the highest standards of intellectual and personal development to become creative and caring builders of the future.

GOAL

To adhere to the reputation of being able to channel our human resources and guide the transformation process of every individual’s dream into a reality.
DISCOVER YOUR FUTURE HERE.
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CHAIRMAN’S PERSPECTIVE

Dr. Mohan Manghnani
Chairman, New Horizon Educational Institution

Today, India has earned a distinctive mark in the global scenario for providing professional education and is significantly contributing to the knowledge bank of the world. Contemporary time is fast emerging, evolving and is being driven by astonishing pace of developments in technology and management encompassing all sectors.

With these rapidly changing facets, it becomes imperative to blend strong value system with knowledge centric approach. And there is a need for leaders who are mentally, emotionally, socially and intellectually capable, who can channel the future towards glorious accomplishments. This reinforces the highly vital role of institutions, in enriching the student community and thereby creating both a better society and a better tomorrow for all the stakeholders.

New Horizon Educational Institution deem it worthy to not only appreciate but also to put into practice a set of sound values. Our institutions from time to time have been adopting key innovative modes with a multidimensional approach for leading the wave to generate leaders, beyond mere professionals who can bring about a constructive change at all levels. For a life formative education, it reaffirms the need to combine ethics with knowledge in order to providing an ideal platform for higher education. Our institutions stand tall, taking utmost pride and satisfaction in all its endeavors accomplishments and achievements.

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

We stand committed and continue to strive in pursuit of excellence!!!
PRINCIPAL'S MESSAGE

Dr. Manjunatha
Principal, New Horizon College of Engineering

Education is not about studying, Education is about learning.
A good teacher enables a student to understand, whereas a great teacher enables a student to realize. It is only when students go through the cycle of studying, understanding and realizing that they become good professionals and great human beings. At New Horizon College of Engineering, we take immense pride in the fact that our students receive the highest quality of education. This is facilitated by paying utmost importance to teaching quality and practical learning. Our excellence is not just confined to the classroom; we are also notably active in conducting conferences, workshops, seminars, guest lectures and other co-curricular activities. These activities expose students to aspects beyond the curriculum, thus adding value to their professional success. The magnificent infrastructure of NHCE sets the right ambience for an excellent teaching-learning environment via use of the best of the technologies. These technologies have been tremendously successful in facilitating a highly effective learning environment.

At NHCE, we understand the need to teach beyond curriculum in order to make our students 'industry ready'. Recent observations made by many stalwarts in the industry indicate the fact that a majority of engineering graduates out of colleges are not employable. NHCE has always been in the forefront in ensuring that students are employable. To overcome this shortcoming, we at NHCE understood that the curriculum needs to be updated based on the requirement of the industries which is not possible in affiliated scheme as changing of syllabus needs to undergo lots of procedures. Hence, to ensure this we have gone for AUTONOMOUS STATUS which is bound to overcome all the shortcomings in the affiliated stream.

We are one of the few institutions in our country to offer three variants in our undergraduate and post-graduate courses. These three variants: Global, Professional, and Executive programs have a plethora of certification programs and other soft-skill features that ensures industry readiness in students.

Extracurricular activities like sports and cultural activities strengthen the process of learning by teaching students the value of hard work, discipline and fair play. The state-of-the-art auditorium and one of its kind indoor-stadium in NHCE have played host to numerous sports and cultural activities. We strongly encourage students to participate in these activities and showcase their talent.

For the past four decades, New Horizon has been associated with quality education. It is the well-acknowledged feature of our education system which incorporates curricular, co-curricular and extra-curricular learning making New Horizon College of Engineering an excellent institute of higher learning!
New Horizon College of Engineering is an Autonomous college affiliated to Visvesvaraya Technological University (VTU), approved by the All India Council For Technical Education (AICTE) & UGC, accredited by ‘NAAC’ with ‘A’ grade. All UG Courses are accredited by the National Board of Accreditation(NBA). It is located in the heart of the IT capital, Bangalore. NHCE has a scenic and serene campus that provides an environment which is conducive for personal and intellectual growth. The college campus is located in the IT corridor of Bangalore surrounded by MNCs and IT giants such as Intel, Accenture, Capgemini, ARM, Symphony, Wipro, Nokia, JP Morgan and Cisco to name a few. NHCE has a campus with state-of-the-art facilities to provide the students with a conducive and effective learning environment. Students are given encouragement in their areas of interest by providing hi-tech facilities backed by faculty support. The institute places the highest priority on innovative programs of instructions that include both traditional class room theory and professional skills training. The management offers scholarships for meritorious students. There is a strong impetus on overall personality development of the students with emphasis on soft skills. Students are supported through mentoring and counselling systems. The infrastructure acts as a facilitator for the effective delivery of the curriculum. At NHCE, we understand and respect our role as educators. From the moment a student walks into the campus, they are guided to know their strengths and choose their area of functional specialization. This enables them to concentrate their efforts and energies to gain a competitive edge. NHCE inspires a passion for creative learning through a progressive approach to education that values intellectual pursuit, creativity, diversity and community involvement.

VISION
To emerge as an institute of eminence in the fields of engineering, technology and management in serving the industry and the nation by empowering students with a high degree of technical, managerial and practical competence.

MISSION
To strengthen the theoretical, practical and ethical dimensions of the learning process by fostering a culture of research and innovation among faculty members and students. To encourage long-term interaction between the academia and industry through the involvement of the industry in the design of the 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.

VALUES
Academic Freedom
Integrity
Inclusiveness
Innovation
Professionalism
Social Responsibility
Achievements

- Accredited by NAAC with 'A' Grade.
- All UG programs are accredited by the National Board of Accreditation (NBA).
- NHCE is Ranked #114 amongst the Top 200 Engineering Colleges across India, as per the National Institutional Ranking Framework (NIRF 2020) Rankings, announced by MHRD, Govt. of India. It stands Top 6 in Bangalore and Top 10 in Karnataka under the Engineering category.
- Students from New Horizon College of Engineering Selected for the World Famous "The International Summer Space School: Future Space Technologies and Experiments in Space" at the Samara National Research University, Samara, Russia.
- Honored with the distinguished "EXCELLENCE IN PROVIDING PREFERRED ENVIRONMENT FOR CAMPUS PLACEMENTS" award. The award was presented by Hon'ble Minister of State for Skill Development & Entrepreneurship, Govt. of India, Mr. Mahendra Nath Pandey during 13th ASSOCHAM Higher Education, Skill & Livelihood Conclave held on 25th & 26th February 2020 at New Delhi.
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- Awarded with the most coveted and prestigious "Best Accredited Student Branch Award" from the Computer Society of India for the academic year 2018-2019. This award was presented for organizing the highest number of quality events and activities.
- First Institution to Achieve the Rare Honour of Filing 201 Patents in 3 Years in INDIA and in the World! It is a historical achievement and a rare feat of an Engineering College!
- Ranked No.1 in Karnataka, 6th in South India, and 12th in India among the ‘Best Private Tech Schools”. Source: Dataquest T-School Survey June 2018.
- Bagged 5 VTU Ranks for the academic year 2017-18 (last batch of VTU) during the 18th VTU Convocation.
- Honored with the distinguished Best International Education Collaboration of the Year award. The award was presented by Dr. Satyapal Singh, honourable minister of State for Human Resource Development, GOI, Higher Education, During ASSOCHAM Higher Education Sumit on February 17, 2018.
- Awarded as the “Best Institution towards Industry Focus Education Delivery for Full Employability”. The award was presented by Dr. Satyapal Singh, Hon'ble Minister of State for Human Resource Development, GOI, Higher Education, during ASSOCHAM Higher Education Summit on February 17, 2018.
- Awarded as the “Best Engineering College in India-South”. The award was presented by Dr. Satyapal Singh, Hon'ble Minister of State for Human Resource Development, GOI, Higher Education, during ASSOCHAM Higher Education Summit on February 17, 2018.
- Awarded for Filling Highest Number of Patents during the 32nd Indian Engineering Congress on 21st December 2017. New Horizon College of Engineering, Ranked No. 2 in Karnataka, 5th in South India, and 15th in India among the "BEST PRIVATE TECH SCHOOLS”. Source: Dataquest T-school Survey June 2017.
THE FUTURE LOOKS BRIGHT.
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 to incorporate state-of-the-art curriculum that is directly from the industry. We have already incorporated courses from Adobe, VMware, SAP and HP into our 5th Semester B.E and 4th Semester MCA Syllabus 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 the 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 the core subjects from their branch, can also choose from a wide range of elective subjects from other branches as well, 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 the 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 weight-age 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 to groom them for the Industry.

Degree: Students graduating from New Horizon College of Engineering (Autonomous) are awarded with a ‘DEGREE’ from Visvesvaraya Technological University (VTU), Karnataka.
UG PROGRAM (4 YEARS)
B.E. Automobile Engineering
B.E. Civil Engineering
B.E. Computer Science & Engineering
B.E. Computer Engineering
B.E. CSE (Artificial Intelligence and Machine Learning)
B.E. Electrical & Electronics Engineering
B.E. Electronics & Communication Engineering
B.E. Information Science & Engineering
B.E. Mechanical Engineering

PG PROGRAM (2 YEARS)
M.Tech - Computer Science & Engineering
M.Tech - Machine Design
M.Tech - Cyber Forensic & Information Security
Master of Business Administration (MBA)
Master of Computer Applications (MCA)

RESEARCH PROGRAM
Ph.d/M.Sc (Engg) in BT, CSE, ECE, EEE, ISE, ME, Maths, Computer Application, Management Studies & Chemistry
WHAT WE LOOK FOR, IN YOU

‘As the New Horizon College of Engineering has always endeavoured to maintain very high standards of learning, it seeks to admit students who are motivated and possess abilities, skills and interest in subjects like Mathematics, Physics and Chemistry and in the varied streams of engineering. The selection process to NHCE is a rather complex and competitive one as admissions are offered to only those applicants who score well in the tests and fulfil the required criteria for selection.’

B.E. ELIGIBILITY CRITERIA

The applicant should have passed 2nd PUC/12th standard from the Karnataka Board or any other Recognized Board or its equivalent examination with Physics & Mathematics as compulsory subjects. A minimum of 45% marks aggregate in Physics, Mathematics and any one of the following subjects: Chemistry / Biology / Biotechnology / Computer Science / Electronics.

English is a compulsory subject.

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

DURATION

The duration of the B.E. course shall be four academic years and conducted in 8 semesters, with each semester having a duration of 16 weeks.

RAGGING IN ANY FORM WILL NOT BE ACCEPTED BY THE COLLEGE. STUDENTS FOUND INDULGING IN RAGGING OR WITH PAST RECORDS OF INVOLVEMENT IN RAGGING WILL BE EXPELLED FROM THE COLLEGE. CRIMINAL ACTION WILL BE INITIATED AGAINST THE OFFENDERS AS PER THE GUIDELINES SET BY VTU & AICTE.
It has been a great 4 years of learning experience here in NHCE. The best college I could find to pursue my bachelors in Automobile Engineering. The faculty members of this particular department were so helpful and caring throughout the journey. Apart from the regular syllabus, faculties educated us with the new age technologies in the field by conducting guest lectures every semester. The placement department helped us a lot by providing the right amount of input required for a student to get placed. Quality coaching was provided every now and then, which played a major role in me getting placed in a reputed company.

Being among the few colleges that offer a Bachelor’s degree course on Automobile Engineering, NHCE has a lot on offer. The advantage of being an autonomous college was seen in the tweaking of the syllabus to be on par with the fast changing industry. The staff of the automobile department with their experience, way of teaching and their efforts in bringing enough exposure of the field to the classroom, helped widen my potential and mould me through the years. The efforts of the placement department of the college is commendable, with company specific training, crash courses, mock tests which gave me the confidence and preparation that I needed.
AUTOMOBILE ENGINEERING
Since the beginning of the twentieth century, automobiles have entered the lives and livelihoods of almost everyone. They are the most convenient invention since the bicycle. Toyota, Volkswagen, General Motors, BMW, Ford and Honda are few examples of large automobile companies that produce vehicles in global market. Maruti Suzuki, TATA, Ashok Leyland and Mahindra are Automobile manufacturers in India. Cars have enabled people to travel around quicker than they used to and made the life of mankind much more luxurious, convenient and safe.

VISION
To be a centre of excellence in the field of Automobile Engineering by providing quality education meeting the ever changing requirements of the industry.

MISSION
• To promote Research, Consultancy and Innovation leading to research publications & patents.
• To strengthen Industry Institute Interaction by collaborating with industries for training, internships, and industry expert talks.
• To inculcate Ethical, Social values and Environment awareness by participation in Co-curricular and Extra-curricular activities.

OBJECTIVES
• To educate and train students technically and academically for automobile engineering.
• To train the students on software like — Ansys, Solid Edge, Pro-e, Catia for development of real time components.
• To provide industry centric approach to the learning process through guest lectures by eminent technologists and scientists from R & D organisations & manufacturing industry.
• To encourage research and development work and participation at national and international level events.

CAREER SCOPE
An automotive engineer’s primary objective is to develop components and systems that provide maximum customer value at minimum cost, thereby promoting the enterprise's profitability. Some automotive engineer’s focus is on one area of their specialty, while others have the opportunity to participate in all aspects of the product development process, playing a more general role. Sometimes, the engineer will be working directly with customers, learning from focus groups and marketing specialists to develop a concept or find out what people want in an automobile. The automotive engineer will also work with suppliers, manufacturing and assembly specialists while designing the components or systems. Most automotive engineers specialize in one of the areas such as structural design, exhaust systems, engines, Analysis & Simulation. Nevertheless, all specialized automotive engineers perform similar duties in at least one of three general areas: research, design and testing. Researchers formulate theories and generate innovative ideas using mathematical and scientific projections and determining whether or not a plan will work. Designers take research products and put them into practice, trying to manufacture them. Testers literally test the products for safety and quality before they hit the marketplace. In smaller, independent engineering firms, automotive engineers may do all three of these tasks.

A BRIEF COURSE OVERVIEW
• Vehicle body Engineering and Safety
• Earth Moving Equipments and Tractors
• Automobile Chassis and suspension
• Automotive Transmission
• Mechanical Vibration & Vehicle Dynamics
• Automotive Engines
• Automotive Fuels and Combustion
• Auto Electrical and Electronic Systems
• Autotronics
• Automotive Air Pollution and Control
# AUTOMOBILE ENGINEERING

**B.E. - AUTOMOBILE COURSE IS OFFERED IN 2 DIFFERENT STREAMS: G-GLOBAL, P-PROFESSIONAL**

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

1. B.E Degree (Visvesvaraya Technological University)
2. Indian Society for Technical Education (ISTE) membership
3. Society of Automotive Engineering (SAE) Membership
4. Industrial Visit
5. Guest Lectures by eminent experts
6. Organising workshops on recent trends in Automobile Engineering
7. Technical Students Symposiums / Conferences
8. Participation in national, international seminars
9. Resume writing workshop (industry oriented)
10. Coaching and remedial classes
11. Enabling and encouraging students to prepare for participation in various in-house competitions
12. Enabling and encouraging students to prepare for participation in various inter-collegiate and inter-university, competitions
13. Mentoring
14. Mock viva-voce
15. Professional counseling
16. Guidance for education loans and bank formalities
17. Enabling and encouraging students to prepare to write NPTEL MOOC certification courses
18. Student club activities

**Global Skill’s Incremental Program (By Industry Experts)**

19. Training and certification program on CAD / CAM software
20. Training and certification program on analysis/CFD package
21. Training on autotronics
22. Training on technical servicing / marketing
23. Training and certification program on robotics based automation
24. International student exchange program*

**NOTE:**

* International Student exchange program is offered to meritorious students at cost
* Credit transfer will be available for MS programs

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A beautiful campus with world class infrastructure, classmates from different cultures, classrooms equipped with the latest technology are just few of the things that has made my experience at NHCE overwhelming and truly inspirational. Extraordinary faculty coupled with strategic pedagogical tools, have helped me develop a holistic orientation towards Civil Engineering for an increasingly competitive world.

NHCE has given me an astonishing platform for the overall growth and development. The campus has excellent infrastructure and is very beautiful with perfect blend of nature and student-friendly amenities, such as gym, football and basketball courts, cafeteria, activity center and modern well-equipped library. Civil Engineering Department is unmatched. The teachers are very friendly, professional and inspiring. The faculty members have always encouraged us to learn through projects which were very helpful for us throughout our studies. Academics are in accordance with the latest industry trends. It’s been a privilege to be a part of this esteemed college.
Accredited by NAAC with 'A' Grade.

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Awarded with the most coveted and prestigious "Best Accredited Student Branch Award" from the Computer Society of India for the academic year 2018-2019. This award was presented for organizing the highest number of quality events and activities.

First Institution to Achieve the Rare Honour of Filing 201 Patents in 3 Years in INDIA and in the World! It is a historical achievement and a rare feat of an Engineering College!

Ranked No.1 in Karnataka, 6th in South India, and 12th in India among the "Best Private Tech Schools". Source: Dataquest T-school Survey June 2018.

Bagged 5 VTU Ranks for the academic year 2017-18 (last batch of VTU) during the 18th VTU Convocation.

Honored with the distinguished Best International Education Collaboration of the Year award. The award was presented by Dr. Satyapal Singh, honourable minister of State for Human Resource Development, GOI, Higher Education, During ASSOCHAM Higher Education Sumit on February 17, 2018.

Awarded as the "Best Institution towards Industry Focus Education Delivery for Full Employability". The award was presented by Dr. Satyapal Singh, Hon'ble Minister of State for Human Resource Development, GOI, Higher Education, during ASSOCHAM Higher Education Summit on February 17, 2018.

Awarded as the "Best Engineering College in India-South". The award was presented by Dr. Satyapal Singh, Hon'ble Minister of State for Human Resource Development, GOI, Higher Education, during ASSOCHAM Higher Education Summit on February 17, 2018.

Awarded for filling Highest Number of Patents during the 32nd Indian Engineering Congress on 21st December 2017.

New Horizon College of Engineering, Ranked No. 2 in Karnataka, 5th in South India, and 15th in india among the "BEST PRIVATE TECH SCHOOLS". Source: Dataquest T-school Survey June 2017.

CIVIL ENGINEERING
Civil Engineering is considered to be the most versatile and fundamental branch amongst all the engineering branches. It is the branch with lot of diversity right from the geotechnical sciences to structural engineering, environmental to hydraulics, transportation to hydrology, geoinformatics to water resources.

Civil engineering is also known as the mother of all engineering, is the oldest, broadest, simplest and most useful of all engineering sciences related to design, construction and maintenance of buildings, dams, bridges, tunnels, highways and other structures. The Department of Civil Engineering is committed to research and development. The vision of the department is to give an exposure to budding civil technocrats to various challenges in the profession and help them in nation building.

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

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

OBJECTIVES & ACTIVITIES
• To develop competency in engineering principles and apply the knowledge to solve engineering problems.
• To provide clear understanding of the current and emerging civil engineering trends.
• To carry out analysis, planning, organising, operation and maintenance of different types of civil engineering infrastructure.
• To develop quality professionals to enable exchange of knowledge and best practices for creation of sustainable development.
• Promote an environment that will enable contribution of ideas for development of society.

CAREER SCOPE
The career scope for Civil Engineers is wide. They can find Jobs in government departments, private and public sector industries, IT sector, various infrastructure sector, research and teaching institutions etc. Civil Engineering graduates can also go in for research and take up teaching or they can open their own independent consultancy services and contracting firms etc. and can be part of booming infrastructural development.

A BRIEF COURSE OVERVIEW
• 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
• Water resources and Irrigation Engineering
• Construction Engineering and Management
• Remote Sensing and Digital Photogrammetry
• Building Materials & Construction Technology
• Fluid mechanics, Hydraulics & Hydraulic machines
CIVIL ENGINEERING

B.E. - CIVIL COURSE IS OFFERED IN 2 DIFFERENT STREAMS: G-GLOBAL, P-PROFESSIONAL

ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

1) B.E Degree (Visvesvaraya Technological University)
2) Indian Society for Technical Education (ISTE) membership
3) Industrial visit
4) Guest lectures by eminent experts
5) Organizing workshops on recent trends in civil engineering
6) Organizing seminars on recent developments in civil engineering
7) Technical students symposium / conference
8) Participation & presentation of papers in national & international seminars / conferences
9) Resume writing workshop
10) Coaching and remedial classes
11) Enabling and encouraging students to prepare for participation in various in-house competitions
12) Enabling and encouraging students to prepare for participation in various inter-collegiate and Inter-university competitions
13) Mentoring
14) Mock viva-voce
15) Professional counseling
16) Guidance for education loans and bank formalities
17) Enabling and encouraging students to prepare to write NPTEL MOOC certification courses
18) Student club activities

Global as Skill’s Incremental Program (By Industry Experts)

19) Training and Certification program on Construction Technology
20) Training and Certification program on 3D Studio Max
21) Training and Certification program in Total Station
22) Training and Certification program on E TAB Software
23) Training and Certification program on Primavera
24) International student exchange program*

NOTE:
* International student exchange program is offered to meritorious students at cost
  * Credit transfer will be available for MS programs
I have truly come a long way from being a small town boy who sought and was granted admission to the CSE department of NHCE, to now drawing a dream package of 21.58 LPA. Right from the very beginning, NHCE was instrumental in helping me explore my true potential and in building leadership qualities. NHCE was consistent in its efforts of providing us with all the support, mentoring and technical training that was highly essential to help us secure good placements and jobs. Though I joined NHCE without a computer science background, the super efficient faculty contributed largely to building, reinforcing and fostering our programming skills. Besides me, 99% of the students of my batch got placed and received multiple job offers. I firmly believe that I made the right decision of my life by choosing NHCE. And as the name New Horizon goes, NHCE widens the horizon of its students and leads them to the beginning of a new and exciting journey.

"NHCE offers a dynamic learning environment that promotes inquiry based and activity oriented learning. The faculty members have always assisted in helping me achieve overall development and to improve my technical knowledge. I shall be ever grateful to them for providing a platform for practical learning and preparing me for corporate life. This was largely due to the tireless efforts of the placement department, who have ensured that maximum number of students were placed, by providing a platform for enhancing our skills and offering multiple job opportunities to choose from.

"
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.

The autonomous program for BE - CSE
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.
B.E. - CSE COURSE IS OFFERED IN 2 DIFFERENT STREAMS: G-GLOBAL, P-PROFESSIONAL

ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

1) B.E Degree (Visvesvaraya Technological University)
2) Computer society of India. (CSI) membership
3) Indian society for technical education membership
4) Industrial visit
5) Guest lectures by eminent experts
6) Organizing workshops on recent trends in computer engineering
7) Organizing seminars on recent developments in computer engineering
8) Technical students symposium / conference
9) Participation & presentation of papers in national & international seminars / conference
10) Resume writing workshop (industry oriented)
11) Coaching and remedial classes
12) Enabling and encouraging students to prepare for participation in various in-house competitions
13) Enabling and encouraging students to prepare for participation in various inter-collegiate and Inter-university, competitions
14) Mentoring
15) Mock viva-voce
16) Professional counseling
17) Guidance for education loans and bank formalities
18) Enabling and encouraging students to prepare to write NPTEL MOOC certification courses
19) Student club activities

Global and Professional Skill Incremental Program (By Industry Experts)

20) Python Programming
21) Ethical Hacking
22) Understanding Blockchain
23) Introduction to Robotics
24) Data Analytics with R
25) International student exchange program*

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NOTE:
* International student exchange program is offered to meritorious students at cost
* Credit transfer will be available for MS programs
COMPUTER ENGINEERING
The goal of the Computer Engineering Department is to provide the students with an understanding of Computer Engineering 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.

The autonomous program for Computer Engineering

**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 an 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 the courses up to date with the current trends in technology. Some of the courses offered spans the areas 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.
COMPUTER ENGINEERING

B.E. - COMPUTER ENGINEERING IS OFFERED IN 2 DIFFERENT STREAMS: G-GLOBAL, P-PROFESSIONAL

ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

1) B.E Degree (Visvesvaraya Technological University)
2) Computer Society of India, (CSI) Membership
3) Indian Society for Technical Education Membership
4) Industrial Visit
5) Guest Lectures by eminent experts
6) Organizing workshops on recent trends in Computer Engineering
7) Organizing Seminars on recent developments in Computer Engineering
8) Technical Students Symposium / Conference
9) Participation & presentation of papers in National & International Seminars / Conference
10) Resume writing workshop (Industry Oriented)
11) Coaching and remedial Classes
12) Enabling and encouraging students to prepare for participation in various in-house competitions
13) Enabling and encouraging students to prepare for participation in various Inter-Collegiate and Inter-University, competitions
14) Mentoring
15) Mock viva-voce
16) Professional Counseling
17) Guidance for Education loans and bank formalities
18) Enabling and encouraging students to prepare to write NPTEL MOOC certification courses
19) Student Club Activities

Global Skill Incremental Program (By Industry Experts)

20) Certification program in Devops
21) Certification program in Ethical Hacking
22) Certification program in Digital Marketing
23) Certification program in Cloud Computing
24) International Student Exchange program*

NOTE:
* International student exchange program is offered to meritorious students at cost
* Credit transfer will be available for MS programs
The goal of the Artificial Intelligence and Machine Learning Department is to provide the students with an understanding of Artificial Intelligence and Machine Learning 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.

The autonomous program for BE-CSE (AI & ML)
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 an 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 the courses up to date with the current trends in technology. Some of the courses offered spans the areas 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.
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

B.E. - ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IS OFFERED IN 2 DIFFERENT STREAMS: G-GLOBAL, P-PROFESSIONAL

ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

1) B.E Degree (Visvesvaraya Technological University)
2) Computer Society of India, (CSI) Membership
3) Indian Society for Technical Education Membership
4) Industrial Visit
5) Guest Lectures by eminent experts
6) Organizing workshops on recent trends in Computer Engineering
7) Organizing Seminars on recent developments in Computer Engineering
8) Technical Students Symposium / Conference
9) Participation & presentation of papers in National & International Seminars / Conference
10) Resume writing workshop (Industry Oriented)
11) Coaching and remedial Classes
12) Enabling and encouraging students to prepare for participation in various in-house competitions
13) Enabling and encouraging students to prepare for participation in various Inter-Collegiate and Inter-University, competitions
14) Mentoring
15) Mock viva-voce
16) Professional Counseling
17) Guidance for Education loans and bank formalities
18) Enabling and encouraging students to prepare to write NPTEL MOOC certification courses
19) Student Club Activities

Global Skill Incremental Program (By Industry Experts)

20) Certification program in Tensor Flow
21) Certification program in Tableau
22) Certification program in C ++ Advanced
23) Certification program in Cloud Computing
24) International Student Exchange program*

NOTE:
* International student exchange program is offered to meritorious students at cost
* Credit transfer will be available for MS programs
“The purpose of education is to replace an empty mind with an open one.” New Horizon College of Engineering has definitely done its part in accomplishing that purpose. I feel a great deal of contentment as I reminisce the good four years spent in NHCE. It provides great facilities and innumerable opportunities to students. The department of EEE has been very encouraging right from the beginning. The faculty is always warm, welcoming and ready to help anytime. The placement department and the training they had provided was on point, not forgetting the copious opportunities they had given to students. Finally, yet importantly, I was lucky enough to have made a big family of friends, met various people and become a part of the NHCE community.

NHCE is a great place where you can enjoy learning. Since it is an autonomous institution, we study many advanced courses like machine learning and big data. The quality of education is never comprised that keeps institution in good ranking. Many extracurricular activities take place in the college of which, student run clubs takes the major share. The faculty in our department is well qualified for the profession and they ensure to give 100% efforts to make us better. They teach with an attitude as what’s required to enhance student’s knowledge. The placement department is the best among various colleges in the city where many of the students get placed every year with good packages.

— ANU JINNY JOSE

BE-EEE (2016-2020)

Placed in: ITC INFOTECH

— SANTHOSH

BE-EEE (2016-2020)

Placed in: IBM INDIA
ELECTRICAL & ELECTRONICS ENGINEERING
Started in the year 2001, the graduate course in Electrical and Electronics Engineering encompasses the various aspects of Electrical and Electronics domain. The Department has traditional and modern laboratories. The Department is engaged in research activities, mainly in Power System, Energy Management and Distribution System, Electric Drives, Embedded Systems, Smart Grid, Control and Instrumentation. The Department has taken up several R&D projects funded by UGC and AICTE Organizations. The Department has Schneider Electric Centre of Excellence to impart industrial training for the students in the fields related to electricity, automation and energy management.

**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 & ACTIVITIES**
To foster research and development in a conducive learning environment and provide strategic platform to develop interaction, collaboration and joint programs with industries. To dedicate and impart quality education to Students through critical thinking, creativity and the spirit of entrepreneurship. To develop in each member, the ability and passion to work effectively for the betterment of humanity with cultural awareness, high professional ethical and moral values and a sense of social responsibility.

**CAREER SCOPE**
An electrical engineer can acquire expertise in a number of diverse streams such as Automation and Control, Power Electronics, Power Systems, High Voltage Engineering, Embedded Systems, Circuit Simulation, Power Generation etc. In addition to these fascinating fields, he or she can also compete with the contemporary software engineers. The various public sector organizations viz. BESCOM, KPTCL, KPCL, ISRO, DRDO, NTPC, BHEL, IRCON, BEL etc. also provide a large number of career opportunities for the electrical engineering graduates. There are ample opportunities for higher studies in Electrical Engineering, 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
B.E. - EEE COURSE IS OFFERED IN 2 DIFFERENT STREAMS: G-GLOBAL, P-PROFESSIONAL

ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

1) B.E Degree (Visvesvaraya Technological University)
2) Membership in “INDIAN SOCIETY FOR TECHNICAL EDUCATION”
3) Industrial Visit
4) Guest lectures by eminent experts
5) Organizing workshops on recent trends in Electrical & Electronics Engineering
6) Organizing seminars on recent developments in Electrical & Electronics Engineering
7) Resume writing work shop (Industry Oriented)
8) Technical Student’s Symposiums / Conferences
9) Participation & presentation of papers in national & international seminars / conference
10) Coaching and remedial classes
11) Enabling and encouraging students to prepare for participation in various in-house competitions
12) Enabling and encouraging students to prepare for participation in various inter-collegiate and Inter university, competitions
13) Mentoring
14) Mock viva-voce
15) Professional counseling
16) Guidance for education loans and bank formalities
17) Enabling and encouraging students to prepare to write NPTEL MOOC certification courses
18) Student club activities
19) student Placment Training

Global Skill Incremental Program (By Industry Experts)

20) Illumination Engineering Using Dialux + Microgrid Design
21) PV Solar Plant Design Using PV SYSTEM
22) Power System Analysis Introduction using ETAP
23) Power System Analysis - Advanced using ETAP + Power Quality, Power System Protection using ETAP
24) Certificate Course in Management and Leadership
25) International student exchange program*

NOTE:
* International student exchange program is offered to meritorious students at cost
* Credit transfer will be available for MS Programs
‘There’s a quote that comes to my mind whenever I reminisce about my fruitful journey at NHCE which is ‘Make every dream a possibility’. So, all my batch mates and I believed in this quote and did make it possible and worked hard to make them come true for us. Of course, the major credit goes to the staff of the ECE department for all the guidance and support extended to us at all times. And of course a big share of my personal gratitude will always be for the placement cell of NHCE, for helping me to set foot in the industry and secure a good job and position in a reputed company.

‘NHCE has a dynamic learning environment with multifarious facilities that are instrumental in equipping and empowering it’s students to develop and hone their skills well. I am grateful to both the ECE department. My heartfelt gratitude to this institution for helping me emerge as a new individual.'
ELECTRONICS & COMMUNICATION ENGINEERING
Electronics and Communication has always been a pioneering discipline of Engineering. Application of electronics in the field of communication along with miniaturization up to the nano scale (Nano Technology) contributes in a big way to making life easier and more convenient as well as comfortable. This branch of engineering strongly emphasises on fundamentals as well as analysis, helps to develop creativity and a better understanding of the Latest technologies, this branch of engineering has a promising future, with unlimited scope to Innovate and limitless Job opportunities to offer.

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

MISSION
• To build a 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 the students to share technical knowledge and to practice professional and moral values.

CAREER SCOPE
Students are exposed to advanced technologies which are in line with the current industrial trends. Students are also encouraged to pursue higher education in various upcoming fields like VLSI and Embedded Systems, Network Security, IoT, Signal Processing etc. Students are molded to excel in IT as well as other specialized industries like Semi Conductors, Telecommunication, Process Control, Micro-Electronics, Data-Acquisition Power Electronics, Aerospace, Satellite Systems, Image Processing, Speech Processing VLSI and Embedded Systems Design and Micro-Electronics

A BRIEF COURSE OVERVIEW
• 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
B.E. - ECE COURSE IS OFFERED IN 2 DIFFERENT STREAMS: G-GLOBAL, P-PROFESSIONAL

ACADEMIC FEATURES - EMPLOYMENT CENTERIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS
1) B.E Degree (Visvesvaraya Technological University)
2) ISTE/IEEE/MTS/UNISEC/IE/IETE Membership
3) Industry visit
4) Guest lectures by eminent experts
5) Organising workshops on advanced technologies in industry
6) Organising workshops on recent trends in electronics and communication
7) Technical students symposiums / Conferences
8) Exclusive cv writing workshop
9) Participation & presentation of papers in national & international seminars/conferences
10) Coaching and remedial classes
11) Enabling and encouraging students to prepare for participation in various in-house competitions
12) Enabling and encouraging students to prepare for participation in various inter collegiate & inter-university competitions
13) Mentoring
14) Mock viva-voce
15) Professional counseling
16) Guidance of education loans and bank formalities
17) Enabling and encouraging students to prepare to write NPTEL MOOC certification courses
18) Student club activities (Electronic Hobby Club, Technology Sharing Club, Professional Connect Club)

Global Skill Incremental Program (By Industry Experts)
19) Electronic device based Internet of Things (IOT)
20) Training & certificate Programme on AI and Machine Learning
21) Training & certificate Programme on VLSI / Embedded/Robotics
22) International student exchange program*

NOTE:
* International student exchange program is offered to meritorious students at cost
* Credit transfer will be available for MS programs
'I can say with confidence that NHCE has helped me evolve into a better version of myself. The ISE department, in my opinion is the best department. The lecturers take good care of the students and ensure every little step is taken for the betterment of our future. The placement department helped me with industry exposure and made sure I utilised every available opportunity.

‘NHCE helped me in kick-starting my career in the best possible way. I have beautiful memories to cherish for the rest of my life. I am forever indebted to the incredible lecturers for the support and knowledge given to me. The placement department was extremely supportive and motivated us to push beyond our limits. I am extremely grateful to everyone I have met during my tenure at NHCE.
INFORMATION
SCIENCE & ENGINEERING
Information Science and Engineering focuses on collection, categorization, strategizing and storage of information. It is an interdisciplinary field primarily focused on analysis, manipulation, retrieval, movement, and dissemination of information. The program facilitates the evolution of skills in students to help them attain a higher degree of knowledge, global competency and excellence, for the betterment of the society. Information Science and Engineering course at New Horizon College of Engineering is designed to meet industry standards and emerging technologies.

VISION
To evolve as a centre for academic excellence and advanced research in Information Science, the engineering disciplines and computational competencies of students, in order to achieve their career goals and also for the enhancement of their technical and management skills.

MISSION
To inculcate in students, a profound understanding of the fundamentals related to discipline, attitudes, skills and their application in solving real world problems, with an inclination towards societal issues and research.

OBJECTIVES & ACTIVITIES
• To achieve excellent standards of quality education by keeping pace with rapidly changing technologies and to create technical manpower of global standards with capabilities of accepting new challenges in Information Technology,
• To make a student an effective team player, team leader, an excellent visionary and above all a ‘persona humane’.
• To create competent and trained professionals in Information Technology who can contribute to the advancement of engineering, science and technology and be an asset to the nation.
• To impart quality and value based education and thereby achieve satisfaction of all stakeholders.
• To apply new developments in Information Management and provide all support to promote research & development

CAREER SCOPE
Information Science and Engineering Graduates can expect professional career opportunities in IT and other allied industries in the areas such as system analysis, design, development, support, mobile and distributed application development, web/ecommerce development, database administration, computer hardware, networking, education and training.

A BRIEF COURSE OVERVIEW
The curriculum of Information Science and Engineering, sensitize the students from third shidents, Sbi Bank semester onwards path he/she can follow and towards the probable excel accordingly.
Career path proposed through curriculum:
- Data Science Engineers - Advanced Artificial intelligence - Network Engineers - Scope for higher studies - Software Development Engineers - Advanced Artificial Intelligence - Scope for Higher Studies
INFORMATION SCIENCE & ENGINEERING

B.E. - ISE COURSE IS OFFERED IN 2 DIFFERENT STREAMS: G-GLOBAL, P-PROFESSIONAL

ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

1) B.E Degree (Visvesvaraya Technological University)
2) Indian Society For Technical Education Membership
3) Computer Society of India (CSI) Membership
4) IT based industrial tour
5) Guest lectures by eminent experts
6) Organizing workshops
7) Organizing seminar
8) Technical students symposiums / conferences
9) Participation in national, international seminar
10) Coaching and remedial classes
11) Enabling and encouraging students to prepare for participation in various in-house competitions
12) Enabling and encouraging students to prepare for participation in various inter-collegiate and Inter-university competitions
13) Mentoring
14) Mock viva-voce
15) Professional counseling
16) Exclusive cv writing workshop
17) Guidance for education loans and bank formalities
18) Enabling and encouraging students to prepare to write NPTEL MOOC certification courses
19) Student club activities

Global Skill Incremental Program (By Industry Experts)

20) CCNA
21) Amazon Web Services (AWS)
22) Cyber Security Course
23) Robotic Process Automation (RPA)
24) Training on project management
25) International student exchange program*

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NOTE:
* International student exchange program is offered to meritorious students at cost
* Credit transfer will be available for MS programs
I have been placed in QuEST Global. I had got a wonderful opportunity in my 4th semester to get placed and I’m truly grateful to my teachers who mentored and prepared me for this. This speaks volumes about the efforts put in by my teachers to help the students secure jobs in reputed companies. Mechanical department is very supportive and helped us throughout the 4 year course. We were given many opportunities to interact with industry and get ourselves industry ready by learning the upcoming technologies. It was also my immense pleasure to have studied under reputed professors who also guided us through the niche topics of the present world.

Being the only girl in Mechanical Department in my batch (2016 – 2020), I had an amazing experience throughout the course. The faculty of Mechanical Department are dedicated to help students achieve great heights in the academic domain and professional career. The Mechanical department has also been actively involved in my placement with QuEST Global. I have been involved with projects that are a tie-up between QuEST and New Horizon College, which have been a great exposure to the current industrial world. The department also has both extra-curricular and co-curricular clubs. I was the former President of the Robohorizon Club and successfully organised many events that proved to be informative and helpful to the entire college. Special thanks to our HoD Dr. M.S. Ganesha Prasad and all the other faculty that have guided and groomed me for supporting me throughout my engineering course.
MECHANICAL ENGINEERING
Mechanical Engineering is a discipline that applies the principles of engineering, Physics and material science for the design, analysis, manufacture and maintenance of mechanical systems. It is a branch of engineering which involves the design, production 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 & ACTIVITIES
- To foster research and development in a conducive learning environment and provide strategic platform to develop interaction, collaboration and joint programs with industries.
- To dedicate and impart quality education to Students through critical thinking, creativity and the spirit of entrepreneurship.
- To develop in each member, the ability and passion to work effectively for the betterment of humanity with cultural awareness, high professional ethical and moral values and a sense of social responsibility.

CAREER SCOPE
Traditionally, mechanical engineers have to deal with concepts such as mechanics, thermodynamics, robotics, kinematics, structural analysis, fluid mechanics and many others. These concepts are applied in the process of designing state-of-the-art manufacturing units, different types of motor vehicles, aircraft and aerospace parts and a vast assortment of industrial machinery. Mechanical engineers also contribute in the development of various engines, power plant equipments, heating & cooling systems and other simple & complex machinery. Mechanical engineers not only design new mechanical systems but they are also responsible for testing, maintaining and manufacturing them. The aforementioned are the conventional roles and responsibilities of mechanical engineers. However, times have changed. Nowadays the scope of mechanical engineering is expanding beyond its traditional boundaries. Mechanical engineers are focusing their attention towards new areas of research such as nanotechnology, development of composite materials, biomedical applications, environmental conservation, etc. The ever increasing scope of this particular job profile now requires professionals to get into financial and marketing aspects of product development and also into people and resource management. All in all, mechanical engineering offers a wide bouquet of job options to students who are looking for a stable and stimulating career.

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
MECHANICAL ENGINEERING

B.E. - MECHANICAL COURSE IS OFFERED IN 2 DIFFERENT STREAMS: G-GLOBAL, P-PROFESSIONAL

ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

1) B.E Degree (Visvesvaraya Technological University)
2) Membership of one of the following ISTE/IEI/IIE/UNISEC
3) Industrial visit
4) Guest lectures by eminent experts
5) Organizing workshops on recent trends in Mechanical Engineering
6) Technical student’s symposiums
7) Organizing Seminars on recent developments in Mechanical Engineering
8) Participation in national, international seminars
9) Resume writing workshop (industry oriented)
10) Coaching and remedial classes
11) Enabling and encouraging students to prepare for participation in various in-house competitions
12) Enabling and encouraging students to prepare for participation in various inter-collegiate and inter-university, competitions
13) Mentoring
14) Mock viva-voce
15) Professional counseling
16) Guidance for education loans and bank formalities
17) Enabling and encouraging students to prepare to write NPTEL MOOC certification courses
18) Student club activities

Global Skill Incremental Program (By Industry experts)

19) Training & certification program CATIA / NX / ProE
20) Training & certification program on analysis package of Hypermesh/Ansys Regular/Nastron or Patron/Ansys CFX
21) C / C++ / Android Application Software for mechanical engineering applications
22) Certification program on digital marketing
23) Training and certification program on robotics based automation
24) International student exchange program*

NOTE:
* International student exchange program is offered to meritorious students at cost
* Credit transfer will be available for MS programs
The Department of Computer Science & Engineering offers M.Tech in Computer Science & Engineering, autonomous and affiliated to VTU. The M.Tech program in Computer Science and Engineering prepares the students for a career in the IT industry as well as a career in academics and research. The well rounded curriculum consists of 13 advanced subjects in computer science engineering of which 9 core subjects and 4 electives which are selected from a pool of highly advanced subjects. The curriculum is spread over the duration of 4 semesters in 2 years.

OBJECTIVES & ACTIVITIES
• To holistically train students towards a career in academics or the IT industry.
• To train students in order to acquire significantly higher levels of technical and analytical problems solving capabilities
• To elevate and equip students significantly beyond a typical Bachelors degree.
• To facilitate access to niche technological jobs in the global workplace by imparting a very high standard of technical education.

CAREER SCOPE
India has already emerged as a world-class knowledge hub. Together with being a leader in global IT outsourcing, India is slowly emerging as a leader in R&D outsourcing also. However, a number of factors have prevented many world-class companies from establishing their R&D units in India, with the main one being the lack of PhD and Masters level candi-dates in the job market. It is projected that there would be a huge demand for people with advanced degrees in computer science 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 & Datamining
• 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
Bachelor’s Degree in Engineering or Technology in Computer Science and Engineering, Information Science. AMIE in appropriate branch. GATE: CS is necessary.
The candidates should have not less than 50% of marks in aggregate of all the years of the degree examinations. However in the case of candidates belonging to SC/ ST/ CAT-1 the aggregate percentage of marks in the qualifying examination shall not be less than 45%.

DURATION
The duration of the course is 2 years comprising of 4 semesters.
M.TECH
MACHINE DESIGN
The Department of Mechanical Engineering offers M.Tech in Machine Design, autonomous and affiliated to VTU. Principles and Techniques for designing machines, mechanisms, power generation units, automobiles, are specialized activities of a machine designer from an engineer's perspective. A design engineer may have been trained as an engineer (mechanical, electrical, controls, etc.), a physicist, a chemist, a tribologist, a material scientist, a computer scientist or even a machinist. A really good one is knowledgeable in all those fields in addition to knowing much about dimensional metrology. A Designer crosses many disciplines and a machine designer often requires multi-disciplinary teams in industries. Industry leaders have learned that to maintain a competitive advantage in the global market place, one must continually improve their activities. However efforts to implement change must be weighed against the constant pressure of lower margins, higher demand and what seems to be a continually shrinking pool of resource designers. Machine design engineers are educated and guided in this prospective to develop new product, process with maximum optimization.

OBJECTIVES & ACTIVITIES

• To train the professionals to work in the design field of CNC Machine building where in professionals will get detailed insight into general purpose and special purpose CNC machine tools.
• To train the professionals / students in the field of fundamentals of design engineering applied to automotive, aeronautical and machine tool engineering.
• To train the professionals / students in designing the high end engineering applications like spacecraft, nuclear tanks etc.

CAREER SCOPE

Engineers who specialized in machine design are very much needed in mechanical, electrical, electronics, computer based industries for developing new products. Design engineers are considered the most knowledgeable in any engineering industries. With a specialization in design engineering and experience of 10 to 12 years in mechanical engineering industries, a person can become an entrepreneur and he can initiate his/her own industry for new product development.

A BRIEF COURSE OVERVIEW

• Optimization
• Product Design
• Rapid Prototyping
• Robotics
• Robust Design Optimization
• Scientific Instrument Design
• Finite Element Method
• Theory Of Elasticity
• Experimental Stress Analysis
• Advanced Theory Of Vibrations
• Fracture Mechanics

ELIGIBILITY CRITERIA

Bachelor's Degree in Engineering or Technology in Mechanical Engineering/ Industrial & Production Engineering/ Automobile Engineering, AMIE in appropriate branch. GATE: ME is necessary.
The candidates should have not less than 50% of marks in aggregate of all the years of degree examinations. However in the case of candidates belonging to SC /ST/ CAT-1 the aggregate percentage of marks in the qualifying examination shall not be less than 45%.

DURATION

The duration of the course is 2 years comprising of 4 semesters.
M.TECH
IN CYBER FORENSICS AND INFORMATION SECURITY
The Department of Information Science and Engineering offers M.Tech in Cyber Forensics and Information Security, Autonomous and affiliated to VTU, from the academic year 2019-2010. The course is designed to extent employment, education and entrepreneurial opportunities to the students. With the rapid expansion of the internet, cybercrime and malicious software deployments are on the increase. There is a need for security professionals who can protect assets and information by securing networks and computer systems. The goal of this course is, for students to maintain an appropriate level of awareness, knowledge and skills to allow them to minimize the occurrence and severity of information security incidents.
The Course provides an in-depth knowledge in the field of in Cyber Forensics and Information Security. The Master of in Cyber Forensics and Information Security develops skills in discovering and recording digital forensic evidence of cybercrimes and malicious behavior by extracting data from networks, hard drives, cell phones and other digital devices. The program is designed in such a way that the student can exercise number of field works on Cyber issues and can explore their research and development skills in the course of the project works. The curriculum is spread over the duration of 4 semesters in 2 years.

OBJECTIVES & ACTIVITIES
- To impart and equip students to design security procedures and policies
- Enable students to deal with the current information security challenges, problems and facilitate them to implement projects in the areas critical to national security.
- To train the students to find out the digital evidences and presenting evidences in a manner that leads to legal action on the offenders.

CAREER SCOPE
Professionals who specialized in Cyber Forensics and Information Security can play an important role in the industry such as Chief Information Security Officer, Forensic Computer Analyst, Information Security Analyst, Penetration Tester, Information Security Crime Investigators, Security Architect, IT Security Engineer, Security Systems Administrator, IT Security Consultant etc.

A BRIEF COURSE OVERVIEW
- Ethical Hacking
- Information Security
- Operating System Security
- Cyber Crime and Cyber Forensics
- Cyber Laws and Ethics
- File System Forensic Analysis
- Preserving and Recovering Digital Evidence
- Secured Programming

ELIGIBILITY CRITERIA
Bachelor’s Degree in Engineering or Technology in Computer Science and Engineering, / Information Science, / Information Technology, AMIE in appropriate branch. GATE: CS is necessary.

DURATION
The duration of the course is 2 years comprising of 4 semesters.
The Department of Management Studies offers two year - four semesters full time autonomous Master of Business Administration (MBA) program, affiliated to Visvesvaraya Technological University. MBA is an innovative and dynamic program. It aims at promoting an enquiring & analytical mind, which pro actively seeks the right knowledge, acquires the appropriate skill and promotes the right attitude to develop capabilities needed to manage enterprises.

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

MISSION
M1: The essence of Department of Management Studies is to constantly strive to provide an In-depth knowledge to its students so that they add value to the existing treasures of business and managerial concepts.
M2: Promote lateral thinking and a spirit of enquiry among our students so that they look from a different angle through a creative approach by which they are able to provide simple solutions to complex business problems.
M3: We owe 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 after graduation. It provides students excellent learning opportunities in various disciplines of management with a strong experiential learning through case studies & live projects, during two years course duration at the college. After completion of MBA, every student can look for various job roles in Marketing, Human Resource and Finance streams. The most popular options are: Business Development, Advertising, Marketing Research, Talent Acquisition, Talent Management, HR Consulting, Investment Banking and Business Analysis with attractive pay packages and perks with Indian and multinational corporations or can be an entrepreneur and have his/ her own start-up.

A BRIEF COURSE OVERVIEW

I SEM
- Management Principles, Concepts and Applications
- Business Economics and Environment
- Data Analysis And Decision Making
- Management Accounting
- Marketing Management
- Human Resource Management
- Managerial Communication — I

II SEM
- Operations Management
- Financial Management
- Business Intelligence and Analytics
- Entrepreneurship Development
- Corporate governance and business laws
- Seminar
- Managerial Communication — II

Dual Specialization - Combination of any two - Marketing/ Finance/ Human Resource/ Business Analytics/ Operations
A thought filtering of colleges bought to understand there is no better choice for my masters but New Horizon College of Engineering and looking back today I can say without reluctance that it was an ideal choice. New Horizon College of Engineering was able to give me a holistic development ranging technical education to soft skill, all of covered end to end. The department of MCA got me well equipped with skills for the corporate world and the placements department was able to bring to me the best of companies that one aspires of. Be it our fest ‘SARGAM’, our club activities or proudly commemorating National festivals it has been a journey that I will cherish forever.

Every educational body invariably has its own set of flaws with that being said NHCE is no exception, yet it brings out a sense of enthusiasm amongst all and help shape us for a better future. A series of choices led me to believe that NHCE would be the right place for me to pursue my masters. My journey with NHCE has rather been short but was chock-full of fun. The beautiful bond I share with my friends and faculties to the endless gossip at TangoCafeteria are few things I’d cherish all my life. Coming to the Dept. of HRD – a newly formed team led by a visionary leader brought a whole new perspective to the table, let’s be real at some point all of us felt like burning the whole place down after all that wearisome training we had to go through. Failures were part of our journey, some on the verge of giving up, yet the department of HRD never gave up on us. In time of need, their very own leader invested all his time to hone and prepare us for the outside world. The constant push drove us to reach our full potential. My journey with NHCE may have very well come to an end, but by no means I am leaving NHCE behind.
The Department of Master of Computer Applications offers MCA and PhD programmes, Autonomous and Affiliated to Visvesvaraya Technological University. MCA course provides a very strong foundation in IT fundamentals for the future-versatile IT professionals. This six semester course provides training to the students to develop excellent programming skills in various languages such as C, C++, JAVA, VB.NET, ASP.NET, C#.NET, J2EE, ADOBE Experience Manager, VMWARE Virtualization Techniques, ANDROID STUDIO and GTK etc. They are also exposed to various operating system environments such as DOS, WINDOWS, LINUX, and SUN SOLARIS. Throughout the MCA programme, the students are exposed to a variety of application areas ranging from traditional business, finance, accounting, networks, multimedia and database management to computer-aided design and industrial production management systems. Taking the location advantages, the department organizes regular guest lecture programmes and industrial visits with leading industry experts. The department is well equipped with good infrastructural facilities, state-of-the-art Computer Labs and experienced faculty members. The curriculum includes mini and main projects as a platform to show their hidden IT talents.

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
Students of MCA Degree are offered jobs through campus recruitment by the Multinational Companies in any of the following positions during the final year of their course. The various positions are 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. Students with MCA degree can avail a well rewarding career in the popular multinational companies where they are offered with the best pay package. Hence, career options after MCA Degree are wider particularly in the present Information Technology and Communication based world.

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

PROGRAM ELECTIVE COURSES (INDUSTRY BASED)
• RPA (Robotic Process Automation)
• Internet of Things
• Cloud Computing
• Data Science
• Data Warehousing & Data
• Cyber Security & Cyber Law

• Database Management System
• Software Engineering
• Enterprise Architecture Development using J2EE
• Mobile Computing and Applications
• Software Quality & Testing
• Programming using C# and .Net

• Machine Learning with R
• Big Data Analytics with HP Vertica
• VM Ware Virtualization Techniques
• Artificial Intelligence
• Neural Networks
• Business Intelligence using Tableau
MASTERS OF COMPUTER APPLICATIONS

MCA COURSE IS OFFERED IN 2 DIFFERENT STREAMS: G-GLOBAL, P-PROFESSIONAL

ACADEMIC FEATURES - EMPLOYMENT CENTRIC SYLLABUS DESIGNED AS PER INDUSTRY EXPECTATIONS

1) MCA Degree (Visvesvaraya Technological University)
2) Computer Society of India (CSI) membership
3) Industrial visit
4) Guest lectures by eminent experts
5) Organizing workshops
6) Technical students symposiums/conferences
7) Club activities
8) Participation in national/international technical events
9) Bridge course
10) Collaborating with faculty in research
11) Coaching and remedial classes
12) Enabling and encouraging students to prepare for participation in various in-house competitions
13) Enabling and encouraging students to prepare for participation in various inter collegiate and inter-university competitions
14) Mentoring
15) Industry Oriented Courses
16) Mock viva-voce
17) Professional students counseling
18) Mandatory MOOC Courses & Certification
19) Student club activities

Global Skill Incremental Program (By Industry Experts)

20) Training and certification in Tensor Flow
21) Training and certification in ArchOps, TestOps, DataOps
22) Training on Tableau
23) Training on Azure/AWS
24) International Educational Tour

NOTE:
* Credit transfer will be available for MS programs
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING is a University (VTU) recognized Research Center which carries out research activities that include “Performance Analysis of HCNF Algorithm”. The project evaluates the performance of a non-preemptive heuristic algorithm called Heterogeneous Critical Node First (HCNF) that statically schedules directed acyclic task graphs on heterogeneous multiprocessor systems to minimize the make span.

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING is a University (VTU) recognized Research Center that is actively involved in research activities and the publishing of papers. Current projects include “Audio/Video based Navigation tool for Visually Impaired” and “Design & Implementation of labor robots for agriculture and industry”.

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING is a University (VTU) recognized Research Center wherein a lot of research activity is carried out on the latest development techniques such as Image processing, Artificial Neural Network, Robotics, Signal Processing, VLSI and Renewable energy resources. As a part of research many papers have been published in the international and national conference/Journals. The department has received grants from AICTE for conducting research activity.

DEPARTMENT OF MECHANICAL ENGINEERING is a University (VTU) recognized Research Center that conducts research activity to ensure that the students are up to date to the new technologies and are in line with the requirement of current industries standards. The research work focuses on areas such as composite materials, turbo machinery, design & development of equipments, finite element analysis, heat & mass transfer and computational fluid dynamics. The department has also taken on projects on “brush seals for gas turbine engines”, “air borne wind tunnel”, “Metal forming with FDM tooling”, “Composite soluble core tooling by FDM process”, “Impact strength enhancement of ABS plastic”, “Study of mechanical properties of Aluminium 2024 based hybrid composites”, Unconventional Electricity generation” to name a few. Some of these research programmes have already received grants from AICTE, Institute of Engineers INDIA and DRDO.

DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS is a University (VTU) Recognized Research Center wherein a lot of research activity is carried out on the latest development techniques such as Image processing, Artificial Neural Network, Robotics, Signal Processing, VLSI and Renewable energy resources. As part of research many papers have been published in the international and national conference/Journals. The department has received grants from AICTE for conducting research activity.

DEPARTMENT OF BIOTECHNOLOGY is a University (VTU) recognized Research Center that carries out research work in collaboration and through external funding. The key thrust areas of research include: Newer techniques for water purification, nanofluids, enhancement of thermal conductivities, viscosity & heat transfer characteristics, Phyto remediation, Biofuels, effect of extremely low frequency electromagnetic field (ELF EMF) on the activity of enzymes like urease, amylase & alkaline phosphates, development of novel nutraceutical and functional products.

DEPARTMENT OF MATHEMATICS is a University (VTU) recognized Research Center. The Department actively involved in research work in the area of fluid mechanics.

DEPARTMENT OF MANAGEMENT STUDIES is a University (VTU) recognized Research Center. The Department is actively engaged in research and consulting activities. The senior Faculty members are guiding Doctoral candidates in the areas of MARKETING, HR, FINANCE and Entrepreneurship Development.

DEPARTMENT OF COMPUTER APPLICATIONS is a University (VTU) recognized Research Center. The current research areas are: Object Modeling using design pattern, image processing, intelligent computing, Human Computer Interaction and Virtualization.

DEPARTMENT OF CHEMISTRY is a University (VTU) recognized Research Center that carries out several research work in collaboration and through external funding. The key throu areas of research include Electro Chemistry, Sensors, Photo Catalysis, Analytical Chemistry, Kinetic Studies and Nanotechnology.
The best way to predict the future is to create it.
### ACADEMIC SCHOLARSHIPS – I YEAR BE PROGRAMS

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>NEW HORIZON PU STUDENTS</th>
<th>STUDENTS FROM OTHER SCHOOLS AND COLLEGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Above 90% in II PUC / 12th std</td>
<td>Rs. 40,000/-</td>
<td>Rs.25,000/-</td>
</tr>
<tr>
<td>80-90% in II PUC / 12th std</td>
<td>Rs. 30,000/-</td>
<td>Rs.25,000/-</td>
</tr>
</tbody>
</table>

Chairman's Scholarships for CET Category

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ELIGIBILITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET rank below 100</td>
<td>100% Concession on Tuition Fee</td>
</tr>
<tr>
<td>CET rank from 101 to 1000</td>
<td>75% Concession on Tuition Fee</td>
</tr>
<tr>
<td>CET rank from 1001 to 2000</td>
<td>50% Concession on Tuition Fee</td>
</tr>
</tbody>
</table>

### ACADEMIC SCHOLARSHIPS – I YEAR MBA & MCA PROGRAMS

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>NEW HORIZON COLLEGE STUDENTS</th>
<th>STUDENTS FROM OTHER SCHOOLS AND COLLEGES</th>
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</thead>
<tbody>
<tr>
<td>Above 75% in Degree</td>
<td>Rs.25,000/-</td>
<td>Rs.20,000/-</td>
</tr>
<tr>
<td>60-75% in Degree</td>
<td>Rs.20,000/-</td>
<td>Rs.15,000/-</td>
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</table>

### SPORTS SCHOLARSHIPS – I YEAR BE, MBA & MCA PROGRAMS

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>NEW HORIZON STUDENTS</th>
<th>STUDENTS FROM OTHER SCHOOLS AND COLLEGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Level Winner or Best Player</td>
<td>Rs.30,000/-</td>
<td>Rs.25,000/-</td>
</tr>
<tr>
<td>State Level Winner or Best Player</td>
<td>Rs.25,000/-</td>
<td>Rs.20,000/-</td>
</tr>
</tbody>
</table>

Chairman's Scholarships for CET Category (I year BE Programs)

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ELIGIBILITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>The candidates who represented the country at Asian Games/</td>
<td>100% Concession on Tuition Fee</td>
</tr>
<tr>
<td>common Wealth Games, Olympic Games and International Meets.</td>
<td></td>
</tr>
<tr>
<td>The candidates who represented National Games, National</td>
<td>75% Concession on Tuition Fee</td>
</tr>
<tr>
<td>Champions, All India Inter Zonal Meets, Inter University (at</td>
<td></td>
</tr>
<tr>
<td>National Level), National Tournaments &amp; Champions</td>
<td></td>
</tr>
<tr>
<td>The candidates who represented State &amp; won medals in</td>
<td>50% Concession on Tuition Fee</td>
</tr>
<tr>
<td>Individual &amp; Team Events (Organized by the Department of</td>
<td></td>
</tr>
<tr>
<td>State Associations and National Federations)</td>
<td></td>
</tr>
</tbody>
</table>

### SINDHI SCHOLARSHIPS – I YEAR BE PROGRAMS

The student should be able to communicate fluently in Sindhi. Scholarship is granted to students depending on: Their financial background, Marks obtained in the 12th Std qualifying exam.
ACADEMIC SCHOLARSHIPS
Chairman's Scholarships for BE, MBA & MCA Students

**SCHOLARSHIPS**
- Freeship Topper in Engineering
- Freeship Topper in MCA
- Freeship Topper in MBA
- 50% Freeship Topper in Electronics & Communications Branch
- 50% Freeship Topper in Electrical & Electronics Branch
- 50% Freeship Topper in Automobile Branch
- 50% Freeship Topper in Information Science Branch
- 50% Freeship Topper in Computer Science Branch
- 50% Freeship Topper in Mechanical Branch
- 50% Freeship Topper in Civil Branch
- 50% Freeship Topper in Biotechnology Branch

**SINDHI SCHOLARSHIPS**
Chairman's Scholarships for II, III, IV Year BE Program

**SCHOLARSHIPS**
- Freeship 70% in each semester in Engineering
- 50% Freeship 65% in each semester in Engineering

**ELIGIBILITY**
- Topper in Engineering
- Topper in MBA
- Topper in Electronics & Communications Branch
- Topper in Electrical & Electronics Branch
- Topper in Automobile Branch
- Topper in Information Science Branch
- Topper in Computer Science Branch
- Topper in Mechanical Branch
- Topper in Civil Branch
- Topper in Biotechnology Branch

70% in each semester in Engineering
65% in each semester in Engineering
International Collaboration

**FRENCH UNIVERSITIES**

43 students from all the engineering branches have successfully completed their international internships from some of the prestigious universities in France namely Le Havre, University, the University of Rouen, ESIGELEC Rouen CESI Rouen, INSA Rouen, ISPA, Alencon.

Three months of the Study Abroad Program will be arranged for Undergraduate students. About 50 students from all the engineering branches will be selected on merit basis for the program. The selected students will be given training in speaking and conversing in French which could enable them to communicate in French while they are studying at the Universities in France.

The selected students will be deputed for International Internship to premier Universities in the Normandie region of France, namely University of Le Havre, University of Rouen, ESIGELEC Rouen, CESI Rouen, INSA Rouen, ISPA, ALENCON - which are known for hands on training and research in sciences 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. It plays a major role in terms of innovation, through learning institutes, clusters and competitive hubs. 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.
JAPAN CAREER CENTRE

Japan Career Centre is established at NHCE to facilitate International Placements / Internships. The objective of the Indo-Japan career Center is to act as bridge between Japanese companies and fresh student talent in India. The center not only facilitates the recruitment of fresh talent in India, but also prepares the recruited talent for assimilation into the Japanese workplace. We are happy to announce that our students have been successfully placed in the following Japanese Companies:

INTERNATIONAL PLACEMENTS

<table>
<thead>
<tr>
<th>NAME</th>
<th>BRANCH</th>
<th>COMPANY PLACED</th>
<th>CTC (INR)</th>
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<tr>
<td>Gagan Prasad</td>
<td>ISE</td>
<td>Temairazu Inc.</td>
<td>22.00 LPA</td>
</tr>
<tr>
<td>Swaraj K S</td>
<td>ISE</td>
<td>Temairazu Inc.</td>
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<tr>
<td>Sriram Gupta</td>
<td>CSE</td>
<td>IBJ Inc.</td>
<td>22.00 LPA</td>
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<tr>
<td>Sanketh S Huddar</td>
<td>CSE</td>
<td>IBJ Inc.</td>
<td>22.00 LPA</td>
</tr>
<tr>
<td>Deekshith D V</td>
<td>CSE</td>
<td>IBJ Inc.</td>
<td>22.00 LPA</td>
</tr>
<tr>
<td>Sipandana S</td>
<td>ISE</td>
<td>JSOL Corporation</td>
<td>22.12 LPA</td>
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<tr>
<td>Nirupashree S</td>
<td>CSE</td>
<td>Classmethod Inc.</td>
<td>23.97 LPA</td>
</tr>
<tr>
<td>Hemantith Kumar R</td>
<td>ISE</td>
<td>Classmethod Inc.</td>
<td>23.97 LPA</td>
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<tr>
<td>Sumangala S</td>
<td>CSE</td>
<td>Classmethod Inc.</td>
<td>23.97 LPA</td>
</tr>
<tr>
<td>Sharan P R</td>
<td>AU</td>
<td>Yokomi Mfg Co. Ltd.</td>
<td>23.28 LPA</td>
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<tr>
<td>Vinay Kumar Jaiswal</td>
<td>CSE</td>
<td>Respco Inc.</td>
<td>22.00 LPA</td>
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<tr>
<td>Sai Sindhu</td>
<td>ISE</td>
<td>East Corporation</td>
<td>22.93 LPA</td>
</tr>
<tr>
<td>Akshay Rao</td>
<td>ECE</td>
<td>Annotation, Inc.</td>
<td>22.72 LPA</td>
</tr>
<tr>
<td>Nisha R</td>
<td>CSE</td>
<td>Ambition Corporation</td>
<td>21.85 LPA</td>
</tr>
<tr>
<td>Prajwal T J</td>
<td>ECE</td>
<td>Ambition Corporation</td>
<td>21.85 LPA</td>
</tr>
</tbody>
</table>
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 have participated and represented 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 Global headquarters is situated in Japan. 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 New Horizon College of Engineering have been selected for the World Famous “The International Summer Space School: Future Space Technologies and Experiments in Space” to be held between the 17th to 29th June, 2019 at the Samara National Research University, Samara, RUSSIA. It is been 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 Astronautical Federation. The Students have successfully completed the Distance Education Stage through Quizzes and Assignments from 30 Nov 2018-13 Mar 2019; NHCE Team has Occupied Top 50 Slots across the Globe succeeding over many Masters and PhD Scholars! End of the School they can Win 1 Million USD (Rs.7 Cr) for their Nano Satellite Design, Fabrication and Launch! New Horizon College of Engineering is the 1st Institution from India to send 6 Students to International Summer Space School, Samara, Russia. The Team has also been invited to Indo-Israel SpaceTech Leadership Programme in May 2019 to be held at Tel Aviv, Israel.
INDO FRENCH CENTRE OF EXCELLENCE
ELECTRICITY, AUTOMATION AND ENERGY - SCHNEIDER ELECTRIC
The Indo French Center of Excellence in Electricity, Automation and Energy Management in collaboration with Schneider Electric has been established to develop an international framework of academics and industry related links. The labs are designed with a dual purpose:
1. To establish and run a Center of Excellence in the field of Electricity, Automation and Energy Management within the premises of New Horizon College of Engineering, Bangalore, to train teachers, engineering graduates, technicians and customers of Schneider Electric.
2. To create training courses in initial and continuing education in electricity, automation and energy management.

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

SAP NEXT-GEN LAB
New Horizon College of Engineering, Bangalore has signed an MOU with SAP and has been accepted as an Associate Member of the SAP University Alliance (UA) program. Subsequently, as a member, New Horizon College of Engineering has access to a wealth of resources developed in collaboration with faculty, students, SAP partners and customers across the world. SAP University Alliance is a global program in over 100 countries that aims to shape the future of higher education.

QuEST GLOBAL IIoT CENTRE OF EXCELLENCE
QuEST Global IIoT Centre of Excellence was established with the objective of creating an ecosystem for resourcing of digital needs in the industrial segment wherein it prepares Ready to Deploy (R2D) resources enabling the candidates in developing the understanding and expertise of technology stack of IIoT platform. The focus area of the said lab would be software application development and testing modernization of software tools to adopt predix or micro services architecture and UX/HMI development. The lab sessions are predominantly delivered and administered by QuEST Global engineers. Architect and practical oriented sessions on rail management systems and battery management Systems have been implemented at New Horizon College of Engineering. A team of faculty from different branches of engineering are trained by QuEST Global on the curriculum jointly developed by the company and the college.

VERTICA
NHCE has signed an MoU with HP Enterprise to establish Big Data and Data Analytics Centre of Excellence with the state of the technology Lab at NHCE campus. VERTICA Centre of excellence is focussed on giving an insight to students on major two big data platforms: VERTICA(licensed) and HADOOP(open-source). A portion of the curriculum is aimed for the students from a management perspective, where different types of Data modeling, analytics, and case studies are included apart from practical knowledge on VERTICA. Both circuit and non-circuit branch students learn the courses offered by this lab to make a career in data analytics. Students obtain certificates from Vertica Academy after undergoing several certification courses through their online portal.
IBM OPEN POWER ARTIFICIAL INTELLIGENCE CENTRE OF EXCELLENCE

IBM Open POWER 9 AI Lab as Centre of Excellence (CoE) 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. IBM Nvidia the front-runners in AI technology for the Enterprise- IBM and Nvidia are extending an attractive offer to the Educational institutes. NHCE is now ready to lead the industry by joining the AI and Deep Learning wave with the IBM & Nvidia Education offer.

VMWARE CENTRE OF EXCELLENCE

VMWare has awarded New Horizon College of Engineering the status of VMWare IT Academy in recognition of successful completion of all program participation requirements. 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 have gained access to technology and contents from VMware, to train students for the IT world.

CAPGEMINI’S DIGITAL ENGINEERING AND MANUFACTURING SERVICES LAB

The Capgemini’s Digital Engineering and Manufacturing Services Lab was established in New Horizon College of engineering to provide students with several opportunities in the field of Digital Engineering and Manufacturing & enable them to explore Digital Engineering and Manufacturing. It brings together deep domain expertise to lead the convergence of the physical and digital worlds through technology, engineering, and manufacturing expertise.

AUTOMATION ANYWHERE

- An MOU was exchanged between Automation Anywhere and New Horizon College of Engineering for setting up of the BOT LAB Centre of Excellence for Robotic Process Automation. The lab provides students with the following opportunities:
  - E-learning access
  - Automation Anywhere Software
  - Hands-on Training (TTT) and
  - The global level certification

CENTER OF EXCELLENCE IN ROBOTIC PROCESS AUTOMATION (RPA)

PROPOSED FROM THE ACADEMIC YEAR 2019-20 ONWARDS

Robotic Process Automation (RPA) is the application of information technology that allows employees in a company to configure computer software or a “software bot” to capture and interpret existing applications for:

- Processing a transaction
- Manipulating data
- Triggering responses and communicating with other digital systems

RPA robots are revolutionizing the way we think about and administer:

- Business processes
- IT support processes
- Workflow processes
- Remote infrastructure
- Back office work

Demand for RPA is expected to create over 300,000 job opportunities in India alone over the next 3 years as NASSCOM vision to upskilling two million technology professionals and skilling another two million potential employees and students on future skills.
A partnership agreement was signed on 12th March 2018 between cluster president of CMQ3E (high schools, higher educational institutions, companies, and other public, private institutions), Rouen-France and New Horizon College of Engineering, Bangalore in the presence of Ms. Frédérique Vidal, Minister of Higher Education, Research and Innovation, Govt. Of France.

The agreement aims to strengthen the overall education system and processes for teachers as well as the students. The objectives of the partnership agreement are:

a). Mobility of teachers and students
b). Collaboration and implementation of new teaching strategies
c). Collaboration and implementation of training programs
d). Exchange of technical knowhow and advisory
e). Collaboration and assistance to develop educational cooperation in the field of energy and energy efficiency
f). Collaboration and assistance in implementing equipment or materials
g). Develop training programs for teachers and trainers on vocational and technological education.

STUDY ABROAD PROGRAMME

During the past two years, NHCE has actively partnered with the Ministry of National Education, France in various educational activities and collaborations. On 12/03/2018, 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, 45 seventh semester students from all the B.E branches embarked and successfully completed a 11 week student exchange program in reputed universities in France starting Sept 2018. The Universities in France have provided this rare opportunity to our students to experience their educational system, technology and culture.

The following are the Universities in France which have selected our students for the exchange program.

University of Le Havre, University of Rouen, ESIGELEC Rouen CESI Rouen, INSA Rouen, ISPA, Alençon
TODAY A READER TOMORROW A LEADER.
1. TECHNOLOGY BUSINESS INCUBATION CENTRE
Technology Business Incubation Centre at New Horizon College of Engineering encourages startups at NHCE. There are 92+ active Startups that have been actively supported by NHCE, and are actively operational under the banner of Centre for Innovation and Entrepreneurship. The vibrant patent Cell helped startups and other students and faculty members to file nearly 171+ patents during last 3 years! Industry sponsored labs with state of the art facilities have been created conducive ecosystem for Startups at NHCE! The vision of NH-EDC is to educate, mentor and provide enterprising resources to budding entrepreneurs and to build an exhaustive resource pool to aid potential student entrepreneurs at NHCE. NHCE is one of the selected colleges under PM-YUVA Yojana (Pradhan Mantri Yuva Udyamita Vikas Abhiyan), which aims to create an enabling ecosystem for entrepreneurship development through entrepreneurship education. Focus will also be on entrepreneurship promotion and social entrepreneurship. Working in collaboration with National Entrepreneurship Network (NEN), since its inception, NH-EDC has conducted various activities for the college students creating and promoting entrepreneurship awareness at the campus. E-WEEK is one of such initiatives where an array of activities are conducted raising the spirit of innovation and creativity which are considered as spark-plugs of entrepreneurship.

2. NEW HORIZON SCHOLARS PROGRAM
New Horizon Scholars’ Program is a focussed initiative to recognize potential students in the 2nd & 3rd year and groom them for the best possible opportunities in the corporate world, ingovernment organizations or for higher education programs. The Scholar Program is ably supported with good amount of mentorship by industry leaders and scientific establishments to inspire the young minds, to focus their energy on emerging trends and technologies. The scholars undergo several workshops, guest lectures on trending technologies, industrial visits, live projects and hackathons to ensure they get maximum hands on exposure to the tools and technologies of their choice. The purpose of the scholar lounge is to ensure a paradigm shift in the thought process of the identified students who are referred to as Scholars. It leads the students towards the identification of a smart career goal. The ultimate aim of scholar programme is to provide the best amalgamation of innovation, entrepreneurship development, skill up gradation, passion and aptitude along with sound theoretical subject knowledge, which in turn makes our student industry ready and innovators of tomorrow so that they can pursue their passion and think beyond the job.

3. NEW HORIZON ENTREPRENEURSHIP DEVELOPMENT CELL (NH-EDC)
New Horizon Entrepreneurship Development Cell (NH-EDC) is working in collaboration with the National Entrepreneurship Network (NEN), in promoting entrepreneurship among the students at the campus to raise the spirit of innovation and creativity. The Centre for Entrepreneurship Development is funded by All India Council for Technical Education (AICTE) under AICTE-EDC for the year 2013-14. The centre was empanelled under Prime Minister YuvaYojana under Ministry of Skill Development & Entrepreneurship, Government of India in the Year 2017.

OBJECTIVES OF EDC
To provide an interface between ideas from New Horizon College students and experts. To introduce new and innovative training techniques for students for a new venture
To provide competent faculty support and consultancy
To enable the students to take up entrepreneurship and start up ventures
ACCREDITATIONS
TRAINING & PLACEMENTS
100% PLACEMENT OPPORTUNITIES ARE PROVIDED TO B.E., M.TECH. & MCA STUDENTS

The mission at New Horizon College of Engineering (NHCE) is to create able engineers and business managers who are equipped with life skills, such as providing solutions to complex problems, re-engineering processes and adding value to businesses. The required skills, beyond academic curriculum are imparted to all our students to produce adept & astute individuals. New Horizon College of Engineering has a focused Human Resource Development Department which is created to move from the traditional Training and Placement process to a broadened approach of inculcating a learning environment along with understanding and acclimatizing to the changing technological advancements thereby bringing about a holistic development in the student. Students and corporate are two of our most important customers. Doing the best we can, to fulfill the needs of the students and companies is the foremost mission of the Department of HRD. Hence all the activities are centered on these two essential stakeholders. Four different structured interventions are provided to all the students studying at New Horizon College of Engineering, viz; Aptitude Development Training, Basic English Communication, Domain/Technical training and Attitude and Behavioral development. With the technological advancements happening at lightning speed, the fresher hiring process has seen a paradigm shift in the recent past. To ensure that NHCE provides the right fitment to the strategic changing requirements of the Corporate, the Department of HRD has defined a robust training and mentoring process to enable the students in becoming billable resources from the day of inception. During the program, the Department of HRD ensures that the students are given the required amount of practice in various areas of quantitative ability, verbal ability, reasoning ability, personality development, group discussion, technical and interview handling skills. The uniqueness of New Horizon College of Engineering, Department of HRD is that each department of engineering and MCA courses are handled by experienced HR Managers with rich industry experience. They work in tandem with the concerned departments and train students in required domains and technologies. The entire process is driven with absolute transparency by the team ensuring that the parents/guardians are looped in all the communications made with the students. The Department of HRD has developed excellent relationship with Corporate who not only come over for repeat hiring but have also signed MOUs and have accredited NHCE for long term interaction.

NHCE HAS SIGNED MOUS WITH ....

INDUSTRY CONGLOMERATES
- Associated Chambers of Commerce and Industry of India
- Bangalore Chamber of Industry and Commerce
- Confederation of Indian Industries
- Confederation of Indian Micro small and medium enterprises
- Global IT Commune
BASIC ENGLISH COMMUNICATION TRAINING
Business English Communication (BEC) Certifi ed Trainers are deputed to take sessions on Verbal, Written, and listening skills during the course of the fi rst and second semester of the students’ course.

APTITUDE DEVELOPMENT PROGRAM
Aptitude development is critical at Graduation and Post Graduation level in today’s environment. Corporates and recruiters evaluate prospective candidates based on their aptitude i.e., quantitative, reasoning, verbal ability, data interpretation and problem solving areas. NHCE provides continuous industry relevant training to all students from the fi rst year onwards. Industry experience trainers are selected based on their experience in teaching students for major competitive examinations.

PERSONALITY DEVELOPMENT/ATTITUDE & BEHAVIORAL DEVELOPMENT PROGRAM
New Horizon’s philosophy is to shape the personality of each and every student to suit their career aspirations. The training programs are conducted for students with interest in pursuing careers, interested in positioning themselves as entrepreneurs and also in pursuing higher education.

TECHNICAL/DOMAIN SKILLS TRAINING
Based on a continuous market research, the Training and Placement team at NHCE identifi es specifi c domain and technical areas every year for training the students. The HRD team members interact with corporate executives and career development counselors on a regular basis to ensure and enable the students to become industry ready.

QUALITY POLICY
Best students to be placed in top service, core/product multi-national companies, others to be prepared as per their developmental needs and explore new horizons for them in suitable organizations.

TRAINING OFFERED
I. CENTRE FOR LIFE SKILLS AND LIFE LONG LEARNING ENGLISH
- English Grammar
- Vocabulary
- Professional Communication

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

II. INDUSTRY INSTITUTE INTERACTION CELL INTERNSHIP / VISITS
- Employability Skills
- Talent Transformation

CENTRE OF EXCELLENCE
- Cutting edge Technologies
- Domain Skills Training

INDUSTRY INCUBATION
Aspiration Profiling

INDUSTRY INTEGRATION
- Career guidance
- Industries Expert Training
- Aptitude Training
<table>
<thead>
<tr>
<th>Company Name</th>
<th>Company Name</th>
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</thead>
<tbody>
<tr>
<td>ABYETI TECHNOLOGIES</td>
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<td>ARTGRAF</td>
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• AUTOLIV INDIA PVT LTD - The students of Mechanical Engineering will get acquainted with latest safety technologies related to Aerospace Engineering.
• BCP ASSOCIATES - To prepare the students to be equipped with the functions of "Labour Law Compliance Management.
• CMC LIMITED - To conduct several high end training programs for the students
• CRANES SOFTWARE INTERNATIONAL LIMITED - To set up of Analog Teaching Lab Setup
• CAPSTONE BUSINESS SIMULATION - For the certification program for II Semester MBA Student
• DBOI GLOBAL SERVICES PVT. LTD., - To conduct an extensive Faculty Development Program to train and develop the Faculty members
• DAFFODIL UNIVERSITY, BANGLADESH - In the area of joint research activities
• EFLOW GURUKUL SOLUTIONS PVT., LTD., - For Software development, Software Solutions and Consultancy for Autonomous Stream Students
• ECONSTRUCT DESIGN & BUILD (P) LTD., - For Skill Development and Value Added Consultancy for the Students and Faculties of NHCE
• EKLAKSHYA VLSI R & D CENTRE PVT. LTD., - For the joint development and execution of Certified Short term courses and Long term courses in the domains of VLSI, Embedded Systems, Product Design etc.
• FEDERATION OF KARNATAKA CHAMBERS OF COMMERCE & INDUSTRIES - To foster Industry - Institution relationship
• FOURTH DIMENSION - To increase the market reach of the department of Automobile Engineering
• GUHRING INDIA PVT. LTD - To carry out Internship / Project Work / Research in their Organization
• HI-TECH ENGINEERS, BANGALORE - Development of Collaborative Research Projects and Consultancy and Promotion of Technologies for Start-ups.
• INFOSYS - Campus Connect Program
• INTEPAT IP SERVICES FOR PATENTS
• IOLITE SERVICES (P) LTD., - To deploy the admissions and examinations software application
• KNOWLEDGE PARTNER TECHNOLOGIES (P) LTD., CHENNAI - For the development of Collaborative Research Projects and Consultancy and Promotion of Technologies for Start-ups.
• NATIONAL DESIGN AND RESEARCH FOUNDATION, BANGALORE - Development of Interdisciplinary Research Projects, Micro Air Vehicles, Marine Vehicles etc.
• PALRECHA ENGINEERING WORKS, MUMBAI - Development of Collaborative Research Projects and Consultancy and Promotion of Technologies for Start-ups.
• PEOPLE ENGLISH - To introduce a standardized International Testing System for English and to acquire Cambridge English Certifications for the Students
• QUEST GLOBAL - Development of Center of Excellence (CoE) in the area of Industrial Internet of Things (IIoT) wherein the students of Mechanical Engineering will work with latest sensor technologies in the area of IIoT
• ROBOGENESIS - To conduct One Day Workshop based on PoV
• SANSERA ENGINEERING - To provide internships, projects, industry visits to Mechanical & Automobile Engineering students of NHCE
• SKYFI EDUCATION LABS PVT., LTD - To conduct Weekend Training Programs for the Students
• SAKRA WORLD HOSPITAL - To render services to the students and staff members at a discounted rate
• SANKALP LIFE COACHING ACADEMY PVT., LTD., - To conduct Personality & Soft Skills Development Program for the Students
• SAPSPRING - To impart professional training to the Students
• SCALTECH SOLUTIONS PVT. LTD., - To conduct Career Oriented program for the students
• SAP R3 TRAINING - For the certification program for II Semester MBA Students
• TRANS NEURON TECHNOLOGIES - To prepare the students of the graduating batch 2016 on Programming Skills
• YURI GAGARIN STATE TECHNICAL UNIVERSITY OF SARATOV, RUSSIAN FEDERATION - To promote academic and cultural ex-changes in the area of faculty exchange.
BENEFITS OF COLLABORATIONS

- Conduct high end training programs for the students,
- Campus Connect Program
- Development of Collaborative Research Projects and Consultancy and Promotion of Technologies for Start-ups.
- To carry out Internship / Project Work / Research
- To promote academic and cultural exchanges in the area of faculty exchange
- To conduct Personality & Soft Skills Development Program for the Students
- For Skill Development and Value Added Consultancy for the Students and Faculties of NHCE
- For the joint development and execution of Certified Short term courses and Long term courses in the domains of VLSI, Embedded Systems, Product Design etc
- To conduct Career Oriented program for the students

MEMBERSHIP (INSTITUTIONAL/STUDENTS) IN PROFESSIONAL BODIES

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

STUDENT COUNSELLING CENTRE

The Student Counselling Centre is where professional, confidential counselling service is available to all students. Counselling provides the opportunity for any student to discuss in private any concerns which may be impacting on academic performance or personal health and well-being. In the course of the counselling process, student’s strengths are highlighted and maximized with a focus on client’s self-growth, self-awareness and self-acceptance. Counselling may provide a chance to find a new perspective on the problem and often to become more accepting of oneself in the process. Counselling is generally offered on a one to one basis, is short-term in nature, is strictly confidential and is provided free of charge.

VISION

To help the students transform all life challenges into opportunities for maximum academic achievement and optimal personal growth so that in due course of time, they become valuable assets to the society.

MISSION

To create the optimal therapeutic environment with the use of appropriate counselling techniques for the purpose of:
1. Promoting the student’s development in all aspects of personal (mental, emotional, social, physical) well-being and academic growth.
2. Enabling the students to gain the maximum benefit from the facilities provided at NHCE.
3. Helping students from various social, economic, lingual backgrounds adapt to the requirements of college life in a cosmopolitan city.
4. Ascertaining that the students make continuous progress on the path of self-awareness and discover new ways to develop their potential and talents to the fullest.

OUR PHILOSOPHY

The Counselling Centre is grounded on the simple philosophy of respect and honor: respecting individuality and honoring diversity. As Counselors we believe in the strength and resourcefulness of our students that the resolution to their life difficulties emerges from within them. We believe and are dedicated in creating a safe space to deal with their pains and to hear their struggles, touching them with compassion and understanding to bring about healing and renewed strength.
The College Campus is set amidst halcyon surroundings, enveloped by fresh air and greenery on the outer ring road of Bangalore, away from the hustle and bustle of the city. The imposing building and the lush green lawns are wonderful salubrious ingredients for meaningful learning. Every effort has been made at this Campus to ensure that the main building conforms to high standards of quality in construction. Every minute detail has been thought about, planned and executed in this Center for Learning. Purpose designed landscape and trees straddle the main block at NHCE in a beautiful campus. Located on Bangalore’s IT corridor, the college is a paradise for learning.

A 700 Seater Auditorium built to international standards for intellectual activities like paper presentations, seminars, workshops, debates and inter-collegiate competitions. Guest lectures for the students and faculty conducted here regularly.

**CONFERENCE ROOMS** of corporate standards is one of the highlights of New Horizon campus. Ultra modern facilities to conduct board meetings and campus recruitment are available here.

**VIDEO CONFERENCE ROOM** with the help of telecommunication technologies, allows two or more locations to communicate by simultaneous two way video and audio transmissions. This room is also used as online class room. It has recording facility which enables recording of Guest Lectures for the benefit of the students.

**SEMINAR HALLS** are built with state of the art facilities to cater to the need of every student. Seminar halls are utilized for conducting seminars, workshops, guest lecturers and various other intellectual activities.

**LECTURE HALLS** The Lecture Halls are airy, spacious and well ventilated, in conformity with international standards. Extensive use of audio-visual media enables the students to grasp advance technology quite easily.

**CAMPUS 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
- Parking Facility

**CANTEENS/CAFETERIA:** The College Cafeteria is spacious, clean and hygienic, offering a variety of North Indian, South Indian and Chinese cuisine.

**SPORTS FACILITIES:** The college provides a host of indoor & outdoor sports facilities for the students. An indoor stadium with state of the art facilities houses the courts for Basketball, Volleyball and Badminton while a spacious and well maintained ground allows students to play and hone their skills at Football, Volleyball, Basketball and Tennis. The campus also features a well equipped indoor and outdoor gymnasium. Recreational facilities and indoor games like Chess, Table tennis which are meant to stimulate and invigorate the students intellectually and physically are also available on campus.
The Library is a resource centre for teaching, learning & research. Being the heart of the academic centre, it is home to all the information services. It plays a proactive role in enabling access to all kinds of information resources and providing innovative, responsive and effective services to meet the changing needs of the academic community. The major objective of our library is to provide the required information/knowledge at the right time.

- Stack Area
- Reference Section
- E-Learning Center
- Open 24 hrs 365 days
- Video conference room
- Faculty discussion room
- State of art Digital Library
- Books and stationery shop
- Students discussion rooms
- Library spread over two floors
- 500 seating capacity Reading Hall
- Over 46,505 volumes of latest books
- Online class room with recording facility
- Member of Delnet, ISTE, CSI, IETE, IIPE, AIMA
- Remote Access of subscribed Electronic Resources
- National and International print and online Journals
- Title: 9902
ACCOMMODATION FOR OVER 1200 STUDENTS ON CAMPUS

Hostels have been constructed to provide safe and congenial atmosphere to the students. Separate hostel facilities are available for **boys and girls on the campus**. The living spaces are structured to inspire harmony, we have spared no pains in making the surroundings fresh and green. Such an atmosphere is conducive for the germination of productive thoughts and ideas. It is a student’s home away from home. Our ideas of the dormitories, unlike other institutions, is an area meant for the students to study, relax and socialize.

- There are Five Separate hostel buildings for **girls and boys on campus**
- Wi-Fi in hostel blocks
- 24 hours power back up
- RO drinking water
- Hygienic kitchen & quality food
- Vegetarian & Non-vegetarian Menu
- Choice of North & South Indian food
- Medical insurance
- Hot water facility
- Well furnished rooms
- Laundry facility
- Single room facility (Boys’ Hostel) for PG students
- Experienced resident warden in each hostel
- Very well trained security
- 24 hours ambulance facility

**Ragging is a criminal offence and is strictly prohibited**
CO CURRICULAR CLUBS

Automobile Engineering (AE)
- Auto-Maniacs Club (AMC)
- Society of Automotive Engineers Club (SAE)

Electronics & Communication Engineering Club (ECE)
- Technology Sharing Club (TSC)
- Electronics Hobby Club (EHC)
- Professional Connect Club (PCC)

Electrical & Electronics Engineering (EEE)
- Green Energy Club (GEC)
- E-Soft Club (ESC)

Mechanical Engineering (ME)
- MechHorizon Club (MHC)
- RoboHorizon Club (RHC)

Master of Computer Applications (MCA)
- FOSS — Free Open Source Software Club
- EDAP — e-Designing and Publishing Club
- Adobe Creative Tech Clubs (ACT)

Master of Business Administration (MBA)
- Entrepreneurship Development Club (Idea Lounge)
- Acumen Club

EXTRA CURRICULAR CLUBS’
- Dance Club
- Music Club
- Art Club
- Literary Club
- Photography Club
- NSS Club
- Socio-Political Club
- Adventure Club
- Fitness Club
- Media Club
- Fashion Club
- Leo Club
- Green Warriors Club
- Rotract Club

Basic Science Humanities (BSH)
- Genesis Club (Science Club)
- Math Horizon Club (Mathematics Club)

BioTechnology (BT)
- Biozone Club
- Bioblooms Club

Civil Engineering (CIV)
- Avishkar Club
- Prakruthi Club

Computer Science Engineering (CSE)
- Advanced, Contemporary and Emerging Technologies Club (ACE)
- Business and Information Technology Club (BIT)

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)

SPORTS CLUBS’
- Volleyball Club
- Basketball Club
- Badminton Club
- Kabaddi Club
- Football Club
Sports at New Horizon is played with much fervor and passion. There is an emphasis on regular exercise and physical fitness. With a team of professional coaches for all games, we ensure that our students receive the best coaching. Team spirit and the desire to give the best possible performance are our watchwords. New Horizon has seen tremendous improvements in the technique, fitness levels as well as the performance of our students in the sports arena. Our students regularly participate in tournaments including those at the state level.

**FACILITIES**

The college provides excellent sports facilities for the students. These facilities include grounds to play Tennis, Football, Volleyball, Handball, Kabaddi, Basketball, etc. and an Indoor Stadium with state-of-the-art facility which houses indoor courts for Basket Ball, Volleyball court and Badminton. The Campus also features a well-equipped outdoor Gym and indoor Gym as well as recreational facilities where students can enjoy a host of indoor games including Table Tennis, Carrom, Chess etc.

- 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
- Parking Facility
Sports Achievements
in the Year-2018-19 (Odd Semester)

WRESTLING & JUDO (M & W)
2 Gold medal, 1 Silver medal & 5 Bronze medal
in VTU Single Zone Inter-collegiate Wrestling & Judo (M&W) competition 2018-19 held at Saptagiri CE college Bangalore, on 15th to 17th Oct 2018.

BEST PHYSIQUE (M)
1 Silver medal in VTU Single Zone Inter-collegiate Best Physique(M) competition 2018-19 held at GAT Bangalore, on 30th & 31st Oct 2018.

BASKETBALL (Women)
1. Winners in “RAMAIAH-2018” Inter Collegiate Basket Ball (Women) Tournament held at RAMAIAH IT, on 22nd To 24th SEP 2018
2. Winners in “KREEDOSTSAV-2018” Inter Collegiate Basket Ball (Women) Tournament held at BMSCE, on 23rd To 25th SEP 2018
3. Winners in “SPARDHA-2018” Inter Collegiate Basket Ball (Women) Tournament held at CMRIT, on 3rd & 4th OCT 2018

BASKETBALL (Men)
1. Runners in VTU Bangalore Central Zone Basket Ball(M) Tournament-2018-19 Held at RAMAIAH IT, Bangalore, on 14th & 15 Sep 2018

Volley Ball (Men)
1. Winners in “B.T.L-2018” 2 Bronze medal in (Inter Collegiate Volley Ball (Men) Tournament held at BTL College, on 11th SEP 2018

TAEKWONDO (M & W)
1 Bronze Medal in (83 Kg category) VTU Single Zone Inter-collegiate Taekwondo (M&W) competition 2018-19 held at SCEM, Mangalore, on 10th & 11th Sep 2018.

WEIGHT LIFTING (M & W)
1 Silver Medal in (83 Kg category) VTU Single Zone Inter-collegiate Power lifting (M&W) competition 2018-19 held at SCEM, Mangalore, on 28th & 29th Sep 2018.

KABADDI (Men)
Winners in “SPARDHA-2018” Inter Collegiate Kabaddi (Men) Tournament held at CMRIT, on 3rd & 4th OCT 2018.
Sports Achievements in the Year-2017-18 (Even Semester)

**BASKETBALL (Women)**
II Runners Up in "Malleshwaram Cup Basket Ball (Women) Tournament-2018" held at Malleshwaram, on 4th To 11th FEB 2018
Winners in "R V C E Momentum-2018 " Inter Collegiate Basket Ball (Women) Tournament held at R V C E, on 17th To 19th FEB 2018
Winners in “KREEDOSTSAV-2018 " Inter Collegiate Basket Ball (Women) Tournament held at BMSCE, on 8th To 10th MARCH 2018
Winners in “ AZURA-2018 " State Level Inter Collegiate Basket Ball (Women) Tournament held at NHCE, on 2nd To 4th /sup> APRIL 2018.
Runners-up in VTU Bangalore Central Zone Basket Ball (Women) Tournament-2018-19 Held at Dr. AIT, Bangalore, on 12th & 13th April 2018.
Runners-up in VTU Inter Zone Basket Ball (Women) Tournament -2018-19 Held at BLDEACET, Bijapur, on 14th & 15th April 2018.

**VOLLEY BALL (Men)**
Winners in “Devadan Cup-2018" National Level Inter-collegiate Volley Ball Tournament (Men) Held at Christ University, Bangalore, on 1st to 3rd March 2018.
Winners in VTU Bangalore Central Zone Volley Ball Tournament-2018-19 Held at HKBKCE, Bangalore, on 2nd & 3rd March 2018.
Runners-up in VTU Inter Zone Volley Ball Tournament-2018-19 Held at SDMIT, Ujjire, on 5th & 6th March 2018
Winners in “KREEDOSTSAVA- 2018" Inter-collegiate Volley Ball Tournament Held at BMSCE, Bangalore, on 8th To 10th MAR 2018.
Winners in “ AZURA-2018 " State Level Inter Collegiate Volley Ball (Men) Tournament held at NHCE, on 2nd To 4th APRIL 2018.
Winners in “SAMARA 2018" Inter-collegiate Volley Ball Tournament Held at AMCE, Bangalore, on 17th April 2018.

**HAND BALL (Men)**
Winners in VTU Bangalore Central Zone Hand Ball Tournament-2018-19 Held at NHCE, Bangalore, on 13th & 14th MAR 2018.

**BASKETBALL (Men)**
Runners-up in “KREEDOSTSAVA- 2017" Inter-collegiate Volley Ball Tournament Held at BMSCE, Bangalore, on 8th To 10th MAR 2018
Runners in " AZURA-2018 " State Level Inter Collegiate Basket Ball (Men) Tournament held at NHCE, on 2nd To 4th APRIL 2018.

**KABBADI (Men)**
II Runners Up in BGS Cup - 18 Kabaddi tournament held at SJCIT, Chikkaballapura.
Runners in “ AZURA-2018 " State Level Inter Collegiate Kabaddi (Men) Tournament held at NHCE, on 2nd To 4th APRIL 2018.

**FOOTBALL (Men)**
Runners in “ AZURA-2018 " State Level Inter Collegiate Foot Ball (Men) Tournament held at NHCE, on 2nd To 4th APRIL 2018

**BADMINTON (MEN & WOMEN)**
Runners in " AZURA-2018 " State Level Inter Collegiate Badminton (Men) Tournament held at NHCE, on 2nd To 4th APRIL 2018 Runners in “ AZURA-2018 " State Level Inter Collegiate Badminton (Women) Tournament held at NHCE, on 2nd To 4th APRIL 2018
BOMAN IRANI
Indian film and theatre actor

HITA AMBRISH JI
Spiritual Mentor, Vrindavan, India
ON CAMPUS

DHVANI BHANUSHALI
Popular Singer

KRISHNA ABHISHEK
Indian film actor and comedian
New Horizon College organised a 7 day international industrial visit to Germany, Belgium and France where they were addressed by the Department of International relations. The students were enlightened about the future prospects in the global scenario and the scope for foreign education. It was a learning experience for the final year student’s 2016-2019 batch in terms of international exposure in a foreign university. Overall the visit was a great experience for the final year students in terms of international exposure as well as an amazing experience with a lot a fun and knowledge.
SARGAM is an annual state level inter collegiate cultural fest organized by New Horizon Educational Institution. NHEI believes in providing great opportunities for the student to involve themselves in various activities which are diverse and challenging. Sargam is a platform for students to unleash the true potential of their talent. With this students learn skills such as event management, interpersonal communication and team building.

SARGAM fest brings together students from various educational institutions providing an excellent platform to showcase their talent and win handsome rewards too. It brings the PUC to the PG students of various streams across the state under one roof. In year 2019, Sargam was conducted on 20th and 21st of September 2019, with very special and unique theme was ‘PANCHA BHOUTA-Essence of the Universe.

The theme ‘PANCHA BHOUTA, for Sargam 2019 like previous years challenged and entertained students with a host of competitive events. A total number of 20 competitions ranging from one star to five stars, like 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 organized in the New Horizon Knowledge Park.
NEW HORIZON COLLEGE, MARATHALLI affiliated to Bengaluru North University, Karnataka is one of the leading educational institutions of the state endeavoring to provide excellent education and overall grooming to aspiring leaders. It is awarded with Grade 'A' by NAAC. 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 Bangalore 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

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.

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

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.
"THE MOST PROMISING EDUCATIONAL INSTITUTION IN KARNATAKA-2016"
BY HIGHER EDUCATION MAGAZINE 2016
NEW HORIZON COLLEGE, KASTURINAGAR, one of the premier members of New Horizon Educational Institutions, Bengaluru has been striving hard to bring in, the core values of teaching, learning and disseminating knowledge in the field of Higher Education. It has been able to carve a niche in the field with a wide spectrum of activities, for the welfare of every learner and the student community.

VISION
Our Vision is to be recognized as an eminent and distinguished institution, imparting quality education and giving rise to future leaders.

MISSION
Our mission is to create a learning environment to nurture intellect and creativity in order to encourage innovation and create leaders and trailblazers out of our students. Our teaching pedagogy aims to prepare our students for the vigorously competitive world and help them achieve excellence in their chosen path.

VALUES
At New Horizon, we instill in our students the importance of perseverance, fortitude and righteousness, to achieve extraordinary success in life. Our focus lies on inculcating in our students an appreciation and eagerness for learning, as learning is not attained by chance, but it must be sought for with ardor and passion. Above all, we aim to foster in our students, a desire to give back to our society and a will to drive the nation forward.
New Horizon College, affiliated to Bengaluru North University, follows the curriculum prescribed by the University for the Courses offered and abides by the guidelines in imparting the subject knowledge for better scope and greater acceptance in the employment market.

We do not restrict ourselves to the curriculum provided by the University, but go beyond to express our concern, obligation and commitment to every student who joins our family. We enable every student to progress further and attain a dynamic personality and high intellectual levels. We prescribe and utilise varied learning techniques and methods in the background as supplements for the University syllabi and add value to the whole process of learning at the undergraduate level. These supplement learning methods enable every learner quench their thirst for knowledge and aids them in synchronizing their thoughts and ideas well with the course they have opted for.

We encourage every student to mould themselves in the right spirit of learning to gain knowledge, inculcate the practice of learning as a part of everyday life and to develop a positive attitude.

As Horizonites, we imbibe the core values of ethics and morals. We believe in a simplified way of thinking to achieve big, while our process of learning both within and outside the class room paves way for perfect blend of learning new vistas in theory as well as practicals, so that every gambit of information in terms of knowledge is envisaged. We believe in every individual being disciplined and committed to reach their zenith.

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 (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, creative institution renowned for its focus on delivering to the world highly innovative students with the ability and agile mind set to be entrepreneurial and socially responsible global citizens who are able to navigate the complexities of a rapidly changing world.

MISSION
The mission of NHPUC is to educate the citizens for the upliftment of our society. We do this through our commitment to the transformative power of education.
Beginning in the classroom with exposure to new ideas, new ways of understanding and new ways of knowing, 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 imbibing, in our students, a strong work ethic, a sound moral compass, a respect and a 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 economy, 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 is one of the premier public schools in Bangalore. Strategically situated on 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 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 than 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 students get distinctions and first classes in exams
• Emphasis on moral values and ethics
• Extracurricular activities and sports
• Good Infrastructure — library, labs and sports facilities

Ranked No:1 in INDIA based on ICSE Result - 2014
The focus of 21st century is on child development and child education, children are considered as distinct individuals in terms of their interest, abilities, progress and growth. Therefore, it is important to constantly re-orient teachers with new teaching techniques, regulations and development in the teachers training arena. The Pre-primary training programme is an effort on our part to give teachers the ultimate training programme for teaching children in the age group of 3 to 5 years. For the very first time various educational approaches and themes are brought together into one course to create an unique Pre-Primary Teachers Training Programme.

New Horizon Pre - Primary teachers training Academy offers “Certificate Course in Pre Primary Teachers Training”. The duration of the course is 10 months. The New Horizon Teachers Training Academy is committed to provide professional development training for teachers, who we believe shape the future of a nation.

The formative years of a child are the most critical period in life. Later his/her experiences keep building on the foundation which he already laid in early childhood. Thus, the teachers who aspire to teach children should be comprehensively trained in all aspects. At Pre-Primary level, it is extremely necessary to teach kids behavioural habits along with academics. Teaching at this level without professional training is not desirable as an untrained teacher would hamper the growth and development of the tiny tots.

The programme aims to acquaint teacher trainees to acquire the attitudes, skills, insight and techniques necessary to deal with pre-school children.

As there is a great need and demand for trained Pre-Primary teachers in the Day Care Centers, Play Schools, Nursery, Kindergarten and Montessori Schools, this course will equip the trained teachers to be placed in the Pre-Primary Schools.

**A BRIEF COURSE VIEW PART –A THEORY**

**PAPER -1**  Early childhood psychology  
**PAPER -2**  Pre Primary Education & Management  
**PAPER -3**  Child Health & Hygiene  
**PAPER -4**  Teaching Techniques & Pedagogy  
**PAPER -5**  Guidance & Counseling

**PART – B PROJECT WORK**

1. Preparation of Albums  
2. Preparation of Teaching Aids  
3. Montessori Models
NEW HORIZON COLLEGE OF EDUCATION is permanently affiliated to Bangalore University, recognized by NCTE New Delhi, aided by the Government of Karnataka & accredited by NAAC with 'A' Grade. Through its journey it has come to be recognized as one of the premier institutions. Our influence is felt both locally and globally. We are committed to providing supportive and challenging experiences to prepare talented, responsible and ethical educators who are dedicated to lifelong learning.

VISION
To train and inspire budding teachers to meet the needs and challenges of the millennial and multicultural learners.

MISSION
To enlighten and empower prospective teachers to be inspirational and revered educators. We aim to produce a fine band of teachers with a thirst for knowledge and a drive towards advancing the society. Our mission is to integrate values with concepts & applications to nurture reliable, knowledgeable and upright individuals who will contribute to the development of the society.

VALUES
- Integrity & Honesty
- Student Centric
- Diversity And Inclusion
- Social Responsibility
- Innovation
- Excellence

COURSE OFFERED
Bachelor of Education (B.Ed.)

ACADEMIC EXCELLENCE
New Horizon College of Education achieves 100% First class results every year, with our students securing the Bangalore University Ranks. Bachelor of Education is a course which extends over a period of two academic years, consists of four semesters. The course includes programmes like micro teaching, simulated teaching and practice of communication skills. Student-teachers shall opt for either English or Kannada medium for teaching practice irrespective of the medium of instruction opted for the theory papers in degree classes.

PROGRAMME CONDUCTED FOR THE COURSE:
- Communication skills.
- Intensive Practice of teaching skills.
- Demonstration of lessons by experienced teacher Educators.
- Co-curricular Activities
- Special coaching in soft skills.
- Tapping the hidden talents of trainee teachers.
- Sports and Cultural Competitions.
- Educational Excursion.
- Community living Camp to develop social and Cultural Ethics.
- Use of modern technology in teaching.
- Yoga
- Personality development