



BROCHURE

Courses offered

UG Programs - B.E. (4 Years)

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

PG Programs (2 Years - 4 Semesters)

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

Language Lab

- German
- Japanese
- Kannada
- Korean
- Spanish
- Italian
- French
- English

9:00am - 9:00pm

Industry Certification Courses

Common to all B.E. Courses

Domain Specialization	Technology Course 1 (Foundation) (60hrs)	Technology Course 2 (Advanced) (60hrs)	Job Opportunities
	Industry Certification Training +Exam (in 4 th and 5 th Semester)	Training for Industry Certification (in 6 th and 7 th Semester)	
DevOps	Microsoft Certified: Azure Developer Associate	Microsoft certified Designing and Implementing DevOps Solutions	DevOps Engineer in MNC like Goldman Sachs, Altran, Seimens,Cappgemini Technology Services, TCS,HCL
Ethical Hacking and Forensic Investigator	EC-Council Certified Ethical Hacker (CEH)	Forensic Investigator Certification	Security Architect, Chief Information Security Officer (CISO), Security Analyst, Cyber Security Lead in Applied Systems, General Motors, Sony Electronics , Verizon Systems,
Tableau	Tableau Desktop Specialist	Tableau Certified Data Analyst	Data Analyst, Data Scientist, Business Analyst,Business Intelligence Analyst,Business Intelligence Developer, Business Intelligence Manager in KPMG, Deloitte, IBM, Wells Fargo,Accenture
AWS Cloud Architect	AWS Certified Cloud Practitioner	AWS Certified Solutions Architect	AWS Cloud Architect in Wipro, Infosys, MindTree
Full Stack Development	IBM Full Stack Software Developer Professional Certificate		Full Stack Developer, Software Engineer, Automation Engineer in MNC
Front End Verification of Digital VLSI Design	System Verilog training & Coursera Certification Program	Universal Verification Methodology (UVM) training	System Verilog Engineer, SoC Engineer, Design Verification Engineer in Intel
Embedded Systems Essentials with ARM and IoT Applications	ARM Certification Embedded Systems Essentials with ARM: Getting Started	ARM Certification Embedded Systems Essentials with ARM: Get Practical with Hardware	Embedded Software Engineer, Embedded Test Engineer,ARM Embedded Designer, ARM Embedded Developer
Digital Manufacturing Technologies	Indian Machine Tools Manufacturing Association (IMTMA) Certification on Manufacturing Technology, Trinity NDT Certification	Bosch Certification on Autotronics	Robotics Engineer, Mechanical Design Engineer, System & Solution Engineer-Manufacturing Solution

Electrical & Electronics Engineering

Academic Features - Employment Centric Syllabus Designed As Per Industry Expectations

Sl.No.	Streams: P-Professional	SEM
1	BE Degree (Visvesvaraya Technological University)	I-VIII
2	Membership in "INDIAN SOCIETY FOR TECHNICAL EDUCATION"/ IEEE Membership	III-VIII
3	Student Industry-Institute Initiative: Industrial Visit	III-VIII
4	Student Enrichment Initiative: Guest lectures by eminent industry experts	III-VIII
5	Student Enrichment Initiative: Organizing workshops on recent trends	III-VIII
6	Student Development Initiative: Technical Students Symposium/Conference	III-VIII
7	Organizing seminars on recent developments	III-VIII
8	Enabling & encouraging students to participate & present papers in National & International Seminars/Conferences	III-VIII
9	Resume writing workshop (Industry Oriented)	VI-VIII
10	Student Career Support Initiative: Placement Training	VI-VIII
11	Student Development Initiative: Coaching & Remedial classes	I-VIII
12	Student Competitiveness Development Initiative (Intra College): Enabling & encouraging students to prepare & participate in various In-house competitions	I-VIII
13	Student Competitiveness Development Initiative (Inter College): Enabling & encouraging students to prepare & participate in various Inter-Collegiate & Inter University competitions	I-VIII
14	Student Development Initiative: Mentoring	I-VIII
15	Student Special Initiative: Mock viva-voce	I-VIII
16	Student Development Initiative: Professional Student counseling	I-VIII
17	Student Support Initiative: Guidance for education loans & bank formalities	II-VIII
18	Enabling & encouraging students to prepare and appear for NPTEL MOOC certification course	I-VIII
19	Student club activities	I-VIII

Note: * International Student exchange program is offered to Meritorious students at actual costs

Mechanical Engineering

Academic Features - Employment Centric Syllabus Designed As Per Industry Expectations

Sl.No.	Streams: P-Professional	SEM
1	BE Degree (Visvesvaraya Technological University)	I-VIII
2	Student Network Development Initiative: ISTE/IIPE/UNISEC Student membership	III-VIII
3	Student Industry-Institute Initiative:Industrial Visit	III-VIII
4	Student Enrichment Initiative: Guest lectures by eminent industry experts	III-VIII
5	Student Enrichment Initiative: Organizing workshops on recent trends	III-VIII
6	Student Development Initiative: Technical Students Symposium/Conference	III-VIII
7	Organizing seminars on recent developments	III-VIII
8	Enabling & encouraging students to participate & present papers in National & International Seminars/Conferences	III-VIII
9	Resume writing workshop (Industry Oriented)	VI-VIII
10	Student Career Support Initiative: Placement Training	VI-VIII
11	Student Development Initiative: Coaching & Remedial classes	I-VIII
12	Student Competitiveness Development Initiative (Intra College): Enabling & encouraging students to prepare & participate in various In-house competitions	I-VIII
13	Student Competitiveness Development Initiative (Inter College): Enabling & encouraging students to prepare & participate in various Inter-Collegiate & Inter University competitions	I-VIII
14	Student Development Initiative: Mentoring	I-VIII
15	Student Special Initiative: Mock viva-voce	I-VIII
16	Student Development Initiative: Professional Student counseling	I-VIII
17	Student Support Initiative: Guidance for education loans & bank formalities	II-VIII
18	Enabling & encouraging students to prepare and appear for NPTEL MOOC certification course	I-VIII
19	Student club activities	I-VIII

Note: * International Student exchange program is offered to Meritorious students at actual costs



NEW HORIZON
COLLEGE OF ENGINEERING
New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

08.01.2024

To
The Principal,
NHCE,
Bengaluru

Through
Dean (Academics),
NHCE
Bengaluru

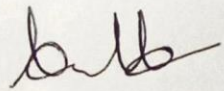
Sub: Proposed Value added courses for the Batch 2022-2026

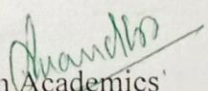
Respected Sir,

To meet the recent advancements and current requirements of the Industry, the below mentioned Global Skill Incremental Programs are designed for batch 2022-2026 to enhance the technical skills of the students and to improve the employability of the students.

S.No	Existing course as per Brochure	Proposed list of courses	Semester Offered
1	Machine Learning for Electrical Engineers using Python	IOT based real time system with Raspberry Pi and Python	IV
2	Electric Vehicle Design and Analysis	Embedded System Development using ARM and Embedded C -	IV

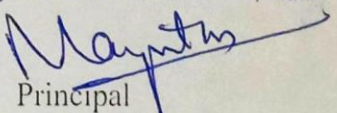
We request you to kindly approve the same and oblige


GP – In charge


Dean Academics

Permitted
May 16/1/2024

Head of the Department
Department of Electrical and Electronics Engineering
New Horizon College of Engineering
Ring Road, Marathalli, Bellandur Post,
Bangalore - 560103, Karnataka, India.


Principal



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

10.03.2023

To
The Principal,
NHCE,
Bengaluru

Through
Dean (Academics),
NHCE
Bengaluru

Sub: Proposed Value added courses for the Batch 2021-2025

(2 students)

Respected Sir,

To meet the recent advancements and current requirements of the Industry, the below mentioned Global Skill Incremental Programs are designed for batch 2021-2025 to enhance the technical skills of the students and to improve the employability of the students.

S.No	Existing course as per Brochure	Proposed list of courses	Semester Offered
1	PCB DESIGN + PRIMAVERA	PV Solar Plant Design Using PV SYSTEM	VI
2	Simulink for Electrical Engineer and Applications	CASE and MaaS ["Connected, Autonomous, Shared, Electric Vehicles" and "Mobility as a Service"]	IV
3	Applications of IoT in Electrical Engineering	Embedded System Development using ARM and Embedded C	IV
4	Machine Learning for Electrical Engineers Using Python	IOT based real time system with Raspberry Pi and Python	V
5	Certificate program in Business Management and Digital Marketing	-	V

We request you to kindly approve the same and oblige


GP - In charge


Dean Academics


HoD/EEE 10/3/2023


Principal



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

10.03.2023

To
The Principal,
NHCE,
Bengaluru

Through
Dean (Academics),
NHCE
Bengaluru

Sub: Proposed Value added courses for the Batch 2020-2024 (13 students)

Respected Sir,

To meet the recent advancements and current requirements of the Industry, the below mentioned Global Skill Incremental Programs are designed for batch 2020-2024 to enhance the technical skills of the students and to improve the employability of the students.

S.No	Existing course as per Brochure	Proposed list of courses	Semester Offered
1	Illumination Engineering Using Dialux + Microgrid Design	Embedded System Development using ARM and Embedded C	VI
2	PV Solar Plant Design Using PV SYSTEM	-	V (Completed)
3	Power System Analysis Introduction using ETAP	CASE and MaaS ["Connected, Autonomous, Shared, Electric Vehicles" and "Mobility as a Service"]	VI
4	Power System Analysis - Advanced using ETAP + Power Quality, Power System Protection using ETAP	IOT based real time system with Raspberry Pi and Python	VII
5	Certificate Course in Management and Leadership	Certificate program in Business Management and Digital Marketing	VII

We request you to kindly approve the same and oblige

GP - In charge

Dean Academics 10/3/23

HoD/EEE 10/3/23

Principal 10/3

