



**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

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

Principal



**RANKED #114**  
AMONG TOP 200  
ENGINEERING  
COLLEGES IN INDIA

**TOP 6**  
IN BANGALORE

**TOP 10**  
IN KARNATAKA

**nirf** AS PER 2020  
NATIONAL INSTITUTIONAL  
RANKING FRAMEWORK



# NEW HORIZON

## COLLEGE OF ENGINEERING

*Awarded*

**MOST PREFERRED INSTITUTE  
FOR PROVIDING GLOBAL EXPOSURE**  
ASSOCHAM 2020

**EXCELLENCE IN PROVIDING PREFERRED  
ENVIRONMENT FOR CAMPUS PLACEMENT**  
ASSOCHAM 2020

**B-SCHOOL PROVIDING PREFERRED  
ENVIRONMENT FOR CAMPUS PLACEMENT**  
ASSOCHAM 2020



# ELECTRICAL & ELECTRONICS ENGINEERING

**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 Managemnet 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

G	P	SEM
✓	✓	I-VIII
✓	✓	III-VIII
✓	✓	III-VIII
✓	✓	III-VIII
✓	✓	III-VIII
✓	✓	III-VIII
✓	✓	V-VI
✓	✓	III-VIII
✓	✓	III-VIII
✓	✓	I-VIII
✓	✓	I-VIII
✓	✓	I-VIII
✓	✓	I-VIII
✓	✓	I-VIII
✓	✓	I-VIII
✓	✓	I-VII
✓	✓	I-VII
✓	✓	I-VIII
✓	✓	VI-VIII
✓	✗	IV-VII
✓	✗	IV-VII
✓	✗	IV-VII
✓	✗	III-IV
✓	✗	VII/VII
✓	✗	VII