



**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 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

# ELECTRICAL & ELECTRONICS ENGINEERING

## 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 workshop (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 to participate in various in-house competitions
- 12) Enabling and encouraging students to prepare to participate 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 and Professional Skill Incremental Program (By Industry Experts)

- 19) PCB Design + Primavera
- 20) Simulink for Electrical Engineers & Applications
- 21) Applications of IoT in Electrical Engineering
- 22) Machine Learning for Electrical Engineering using Python
- 23) Certificate Program in Business Management and Digital Marketing
- 24) International Student Exchange program\*

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-VII
✓	✓	I-VII
✓	✓	I-VIII
✓	✗	IV-VII
✓	✗	V-VII
✓	✗	VI-VIII
✓	✗	VI-VIII
✓	✗	VII-VIII
✓	✗	VII

**\*\* International educational tour is offered to students at an extra cost**

#### NOTE:

- \* International student exchange program is offered to meritorious students at cost
- \* Credit transfer will be available for MS Programs