



TULSIRAMJI GAIKWAD-PATIL COLLEGE OF ENGINEERING & TECHNOLOGY

Wardha Road, Nagpur - 441108
Accredited with NAAC A+ Grade & NBA Accredited (EE, ME, CE & ECE)
Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)



Department of Electronics & Communication Engineering

HONORS SPECIALIZATION IN VLSI Design and Technology

Sr. No	Sem	Course Code	Subject	Nature of Evaluation	Credits
1	III	BEC32325	Integrated Circuits and Applications	NPTEL/ESE	03
2	IV	BEC32425	Hardware Modelling using Verilog	NPTEL/ESE	03
3	V	BEC33525	System Design Through Verilog	NPTEL/ESE	03
4	VI	BEC33625	Digital IC Design	NPTEL/ESE	03
5	VII	BEC34725	VLSI Physical Design	NPTEL/ESE	03
6	VIII	BEC34825	Internship(VLSI 1 month)	ESE	03
7		BEC34925	Capstone Project	ESE	
Total					18

HOD,ECE



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Department of Electronics & Communication Engineering

MINORS SPECIALIZATION IN EMBEDDED SYSTEM & IOT

Sr. No	Sem	Course Code	Subject	Nature of Evaluation	Credits
1	III	BEC32321	Introduction to Digital Electronics	NPTEL/ESE	03
2	IV	BEC32421	Microcontrollers & Applications	NPTEL/ESE	03
3	V	BEC33521	Introduction to Embedded Systems Design	NPTEL/ESE	03
4	VI	BEC33621	Embedded system with ARM	NPTEL/ESE	03
5	VII	BEC34721	Introduction to Internet of Things	NPTEL/ESE	03
6	VIII	BEC34721	Real-Time Operating Systems (RTOS)/Capstone Project	ESE	03
Total					18

HOD,ECE

