

GUIDELINES- MOOCs**How to enroll (join) in a course**

Please go to this link to join for courses that you/students are interested in. <https://onlinecourses.nptel.ac.in/>

IMPORTANT STEPS:

- Learners have to say **YES** to the question 'Are you part of a Local Chapter'
- Choose the correct college name from the dropdown. This is very important; else the learner will not be available in your SPOC login
- Students choose the Profession as '**Student**'
- Faculty choose the Profession as 'Faculty' (Not Employed)
- Use the **same email id** for enrolling to courses & exam registration. **Assignments submitted through one mail id & exam registered through another mail id will not be accepted**
- **NEW:** Please note that the exam registration for the 12 week courses will be closed along with the set one 4wk and 8wk courses.

Jul 2025 Timelines

	4 weeks (SET 1)	8 weeks (SET 1)	12 weeks	4 weeks (SET 2)	8 weeks (SET 2)	
Start of course	Jul 21, 2025	Jul 21, 2025	Jul 21, 2025	Aug 18, 2025	Aug 18, 2025	
End of course	Aug 15, 2025	Sep 12, 2025	Oct 10, 2025	Sep 12, 2025	Oct 10, 2025	
Exam dates	Sep 20/21, 2025		Oct 25/26, 2025 Nov 01/02, 2025			
Possible additional Exam Dates	Sep 19, 2025		Oct 24, 2025 Oct 31, 2025			
Open enrollment to the course	22 May 2025					
Close enrollment to the course	Jul 28 2025			Aug 18 2025		
Open exam registration form	June 20, 2025					
Close exam registration form	Aug 11, 2025 / Aug 15, 2025			Aug 25, 2025 / Aug 29, 2025		

Enrolment link	https://onlinecourses.nptel.ac.in/
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Note : In case of any query, students to connect with their HoDs or MOOC Coordinator, Prof Indira P Sarethy.

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, NOIDA

MOOC COURSES-ODD SEM 2025							
JIIT Elective Course Code	Subject Name	Credits	MOOC Equivalent Course on NPTEL	JIIT MOOC Course Code	Credits	NPTEL Link	Course Coordinator
Dept of Biotech							
17B1NBT739	BIO-COMPUTING AND APPLICATIONS	3	Next Generation Sequencing Technologies : Data Analysis and Applications	24B14BT420	3	noc25-bt81	Dr. Anirudh Sharma
20M32BT212	Bioformulations	3	Availability and Management of Groundwater Resources	24M34BT213	3	noc25-ce143	Dr. Anirudh Sharma
15B11BT413	BIOPROCESS ENGINEERING	3	Principles of Downstream Techniques in Bioprocess	24B14BT312	3	noc25-bt75	Dr. Anirudh Sharma
19M22BT211	DIAGNOSTIC MICROBIOLOGY	3	Drug Delivery: Principles and Engineering	24M14BT113	3	noc25-bt55	Dr. Anirudh Sharma
17B1NBT737	ENZYMES IN FOOD PROCESSING	3	Food Oils and Fats : Chemistry and Technology	24B14BT419	3	noc25-ag16	Dr. Anirudh Sharma
17B1NBT732	HEALTHCARE MARKETPLACE	3	Medical Image Analysis	24B14BT421	3	noc25-bt61	Dr. Anirudh Sharma
22M22BT211	Market Research and Data Analysis	3	Introduction to Proteogenomics	24M24BT220	3	noc25-bt71	Dr. Anirudh Sharma
17B1NBT735	MOLECULAR DIAGNOSTICS	3	Next Generation Sequencing Technologies : Data Analysis and Applications	24B14BT420	3	noc25-bt81	Dr. Anirudh Sharma
16B1NBT531	NETWORKS OF LIFE	3	Medical Image Analysis	24B14BT421	3	noc25-bt61	Dr. Anirudh Sharma

17M12BT119	PHYTOTHERAPEUTICS AND PHARMACOLOGY	3	Biomedical nanotechnology	24M14BT112	3	noc25-bt70	Dr. Anirudh Sharma
17M12BT118	PRODUCT DEVELOPMENT IN BIOTECHNOLOGY	3	Biomedical nanotechnology	24M14BT112	3	noc25-bt70	Dr. Anirudh Sharma
17M12BT116	REGULATORY AFFAIRS	3	Drug Delivery: Principles and Engineering	24M14BT113	3	noc25-bt55	Dr. Anirudh Sharma
17B1NBT734	STEM CELLS AND HEALTHCARE	3	Genome Editing and Engineering	24B14BT418	3	noc25-bt52	Dr. Anirudh Sharma
17B1NBT733	STRESS: BIOLOGY, BEHAVIOUR AND MANAGEMENT	3	Medical Image Analysis	24B14BT421	3	noc25-bt61	Dr. Anirudh Sharma

Dept of CSE/IT

23M12CS111	Advanced programming with Python and R	3	The Joy of Computing using Python	25M14CS113		noc25-cs103	Dr. Arpita Jadhav
18B12CS424	ALGORITHM ANALYSIS AND ARTIFICIAL INTELLIGENCE	3	Artificial Intelligence: Search Methods for Problem Solving	23B14CS452		noc25-cs88	Dr. Arpita Jadhav
23M12CS114	Computer Vision	3	Deep Learning for Computer Vision	24M14CS142		noc25-cs93	Dr. Arpita Jadhav
19B12CS423	COMPUTING FOR DATA SCIENCE	3	Mathematical Foundations for Machine Learning	25B14CS418		noc25-cs136	Dr. Arpita Jadhav
23B12CS341	Cyber Security	3	Cyber Security and Privacy	25B14CS341		noc25-cs116	Dr. Ankita Verma
15M3NCI231	E-COMMERCE AND SOCIAL WEB	3	Social Network Analysis	25M14CS114		noc25-cs100	Dr. Ankita Verma

21B12CS418	Ethical Hacking and Prevention	3	Ethical Hacking	24B14CS487		noc25-cs142	Dr. Prateek Srivastava
24B11CS351	Fundamentals of Computer Vision	3	Computer Vision	25B14CS351		noc25-cs143	Dr. Prateek Srivastava
20B12CS331	FUNDAMENTALS OF MACHINE LEARNING	3	Introduction to Machine Learning	19B14CS411		noc25-cs91	Dr. Prateek Srivastava
18B12CS428	INTRODUCTION TO DEEP LEARNING	3	Deep Learning - IIT Ropar	24B14CS484		noc25-cs106	Dr. Krishna Asawa
19B12CS427	INTRODUCTION TO DEVOPS	3	Software Project Management	25B14CS419		noc25-cs109	Dr. Krishna Asawa
21B12CS417	Machine Learning and Big Data	3	Responsible & Safe AI Systems	24B14CS486		noc25-cs118	Dr. Krishna Asawa
20B12CS334	OBJECT ORIENTED ANALYSIS AND DESIGN USING JAVA	3	Programming in Java	20B14CS313		noc25-cs110	Dr. Krishna Asawa
21B12CS414	Smart Systems and IOT	3	Introduction to Internet of Things	24B14CS485		noc25-cs147	Dr. Shariq Murtuza
15B1NCI732	SOCIAL NETWORK ANALYSIS	3	Social Networks	18B14CS411		noc25-cs102	Dr. Shariq Murtuza
23M12CS113	Software Quality and Testing	3	Software Testing	24M14CS141		noc25-cs113	Dr. Shariq Murtuza
21B12CS411	Big Data with Hadoop and Spark	3	Introduction to Internet of Things	24B14CS485	3	https://onlinecourses.nptel.ac.in/noc25_cs147/preview	
21B12CS412	Cryptography and its Applications	3	Privacy and Security in Online Social Media	20B14CS413	3	https://onlinecourses.nptel.ac.in/noc25_cs147/preview	

						c.in/noc25_cs17/preview	
16B1NCI648	INFORMATION RETRIEVAL AND SEMANTIC WEB	3	Privacy and Security in Online Social Media	20B14CS413	3	https://onlinecourses.nptel.ac.in/noc25_cs17/preview	
21B12CS415	Secure Design of Software Systems	3	Software Project Management	25B14CS419	3	https://onlinecourses.nptel.ac.in/noc25_cs19/preview	
17B1NCI731	MACHINE LEARNING AND NATURAL LANGUAGE PROCESSING	3	Social Networks	18B14CS411	3	https://onlinecourses.nptel.ac.in/noc25_cs102/preview	
21B12CS413	Fog and Edge Computing	3	Advanced Distributed Systems	24B14CS361	3	https://onlinecourses.nptel.ac.in/noc25_cs84/preview	
Dept of ECE							
17B1NEC735	INFORMATION THEORY AND APPLICATIONS	3	Applied Linear Algebra for Signal Processing, Data Analytics and Machine Learning	25B14EC413		noc25-ee113	Dr. Madhu Jain
20M51EC121	INTRODUCTION TO IOT SYSTEM DESIGN	3	Electronic Systems Design: Hands-on Circuits and PCB Design with CAD Software	25B14EC414		noc25-ee163	Dr. Madhu Jain

22B12EC413	Low Power CMOS VLSI Circuit Design	3	Fabrication Techniques for MEMs-based sensors : Clinical perspective	24B14EC426		noc25-ee144	Dr. Madhu Jain
15B1NEC731	SOFT COMPUTING IN ELECTRONICS	3	Microelectronics :devices and Circuits	24B14EC424		noc25-ee110	Dr. Madhu Jain
15B11EC313	Microprocessors and Microcontrollers	3	Modern digital communication techniques	25B14EC311	3	https://nptel.ac.in/courses/17105144	
17B1NEC735	Information Theory and applications	3	Modern digital communication techniques	25B14EC311	3	https://nptel.ac.in/courses/17105144	
22B12EC412	Introduction to Power Electronics	3	Modern digital communication techniques	25B14EC311	3	https://nptel.ac.in/courses/17105144	
20B12EC211	Introduction to Digital Image and Video Processing	3	Modern digital communication techniques	25B14EC311	3	https://nptel.ac.in/courses/17105144	
17B11EC733	Optical Communication-DE4	3	Applied Linear Algebra for Signal Processing, Data Analytics and Machine Learning	25B14EC413	3	https://nptel.ac.in/courses/108104174	
19B12EC416	Deep Learning for Multimedia-DE4	3	Applied Linear Algebra for Signal Processing, Data Analytics and Machine Learning	25B14EC413	3	https://nptel.ac.in/courses/108104174	
15B1NEC733	Fundamentals of Embedded Systems-DE4, DE-1	3	Microelectronics :devices to Circuits	24B14EC424	3	https://nptel.ac.in/courses/108107142	
23B12EC312	Introduction to VLSI Fabrication Technology-DE4	3	Microelectronics :devices to Circuits	24B14EC424	3	https://nptel.ac.in/courses/108107142	
20B12EC413	Basics of Antenna and Wave Propagation-DE5	3	Pattern Recognition and Application	25B14EC415	3	https://nptel.ac.in/courses/17105101	

22B12EC413	Low Power CMOS VLSI Circuit Design -DE5	3	Fabrication Techniques for MEMs-based sensors : Clinical perspective	24B14EC426	3	https://nptel.ac.in/courses/108108113	
22B12EC415	5G Wireless Communication Systems -DE5	3	Pattern Recognition and Application	25B14EC415	3	https://nptel.ac.in/courses/117105101	
16B1NEC832	MIMO OFDM Applications to wireless communications- DE6	3	Enclosure design of electronics equipment	25B14EC416	3	https://nptel.ac.in/courses/117108140	
17B1NEC736	Essentials of VLSI Testing-DE6	3	Electronic Systems Design: Hands-on Circuits and PCB Design with CAD Software	25B14EC414	3	https://nptel.ac.in/courses/108102481	
18B12EC413	Digital Control System-DE6	3	Electronic Systems Design: Hands-on Circuits and PCB Design with CAD Software	25B14EC414	3	https://nptel.ac.in/courses/108102481	

Dept of HSS

24B12HS314	Contemporary India: A Sociological Perspective	3	Indian Society: Sociological Perspectives	24B14HS425	3	noc25-hs153	Dr Yogita Naruka
16B1NHS433	FINANCIAL MANAGEMENT	3	Foundations of Accounting & Finance	24M24HS216	3	noc25-ec10	Prof. Mukta Mani and Dr. Sakshi Varshney
24M22HS214	Financial Markets	3	Economics of Banking and Finance Markets	24M24HS215		noc25-ec13	Prof. Mukta Mani
18B12HS412	HUMAN RESOURCE ANALYTICS	3	HR Analytics	25B14HS411	3	noc25-hs112	Dr Kanupriya Bakhu
21B12HS312	Management Accounting	3	Management accounting	25B14HS311		noc25-mg85	Dr. Purwa Srivastava

16B1NHS432	POSITIVE PSYCHOLOGY	3	Applied Positive Psychology	25B14HS313	3	noc25-hs145	Dr.Badri Bajaj,Dr.Shweta Verma
12PCGM04	SURVEY DEVELOPMENT AND ANALYSIS	3	Marketing Research and Analysis	25P14HS111	3	noc25-hs126	Dr Vandana Sehgal
25B12HS313	Indian English Literature	3	Short Fiction in Indian Literature	25B14HS312	3	noc25-hs126	Dr Mohua Dutta
12PCGM03	Quantitative Techniques and Statistical Analysis	3	Marketing Research and Analysis	25P14HS111	3	noc25-hs126	Dr Vandana Sehgal
Dept of MATH							
18M12MA111	ADVANCED OPERATIONS RESEARCH	3	Partial Differential Equations - IITB	25M14MA211	3	noc25-ma111	Prof. Lokendra
17B1NMA731	APPLIED LINEAR ALGEBRA	3	Linear Algebra	25B14MA411	3	noc25-ma114	
17B1NMA732	APPLIED NUMERICAL METHODS	3	Introduction to Methods of Applied Mathematics	25B14MA414	3	noc25-ma91	
17B1NMA531	BASIC NUMERICAL METHODS	3	Introduction to Fuzzy Set Theory, Arithmetic and Logic	25B14MA315	3	noc25-ma88	
16B1NMA531	DISCRETE MATHEMATICS	3	Foundations of R Software	25B14MA316	3	noc25-ma99	
22M22MA211	Fluid Dynamics	3	Computational Commutative Algebra	25M14MA212	3	noc25-ma94	
20M22MA213	FUZZY SETS AND APPLICATIONS	3	Approximate Reasoning using Fuzzy Set Theory	25M14MA213	3	noc25-ma73	

19B12MA412	GENERALIZED FUZZY SET THEORY WITH APPLICATIONS	3	Introduction to Fourier Analysis	25B14MA412	3	noc25-ma117	
21M22MA215	Graph Theory	3	Matrix Computation and its Applications	25M14MA214	3	noc25-ma92	
18B12MA312	LOGICAL REASONING AND INEQUALITIES	3	Combinatorics	25B14MA311	3	noc25-ma71	
16B1NMA533	MATRIX COMPUTATIONS	3	Complex Analysis	25B14MA314	3	noc25-ma66	
17B1NMA533	STATISTICAL INFORMATION THEORY WITH APPLICATIONS	3	Probability Theory for Data Science	25B14MA312	3	noc25-ma95	
24M22MA211	Theory of Computation	3	A Primer to Mathematical Optimization	24M14MA211	3	noc25-ma105	
16B1NMA731	THEORY OF NUMBERS	3	Ordinary Differential Equations	25B14MA313	3	noc25-ma104	
22B12MA411	Advanced Statistical Methods	3	Regression Analysis	24B14MA414	3	noc25-ma65	
22B12MA412	Geometric Algebra for computer graphics	3	Differential Equations for Engineers	25B14MA413	3	noc25-ma74	Prof. Lokendra
21M22MA211	Number Theory	3	A Basic Course in Number Theory	25M14MA215	3	noc25-ma102	
22M22MA213	Data Structures	3	Essential Mathematics for Machine Learning	25M14MA216	3	noc25-ma82	

Ph.D	Ph.D Course Work	3	Mathematical Methods and its Applications	25P14MA111	3	noc25-ma80	
Dept of PMSE							
22B12PH311	Engineering Materials and Technology	3	Materials Design for Electronic, Electromechanical and Optical Functions	24B14PH313	3	noc25-mm63	Dr. Radha Krishna Gopal
18M11PH114	STRUCTURE AND CHARACTERIZATION OF MATERIALS	3	Physics of Functional Materials & Devices	24P14PH111	3	noc25-ph48	Prof. Sandeep Chhoker
Dept of CA							
25B12CA312	Data Analytics using Python and R	3	Advanced R Programming for Data Analytics in Business	25B14CA312	3	noc25-mg154	Dr. Neetu Singh
25B12CA313	Introduction to Deep Learning	3	Deep Learning - IIT Ropar	25B14CA315	3	noc25-cs106	Dr. Neetu Singh
25B12CA314	Statistical Methods for Data Science	3	Application of Forecasting, Regression and Time Series Models	25B14CA318	3	noc25-mg77	Dr. Neetu Singh
25B12CA316	Full Stack Developer-I(Java development)	3	Programming in Java	25B14CA317	3	noc25-cs110	Dr. Neetu Singh
25M12CA211	Cyber Security Essentials	3	Cyber Security and Privacy	25M14CA211	3	noc25-cs116	Dr. Neetu Singh
25M12CA213	Fundamentals of Reinforcement Learning	3	Reinforcement Learning	25M14CA213	3	noc25-cs92	Dr. Neetu Singh
24M12CA215	IoT Programming and Applications	3	Introduction to Industry 4.0 and Industrial Internet of Things	25M14CA215	3	noc25-cs146	Dr. Neetu Singh

24M12CA216	Social Network Analysis	3	Social Network Analysis	25M14CA216	3	noc25-cs100	Dr. Neetu Singh
Jaypee Business School (JBS)							
20M12BIA16	DATA MANAGEMENT AND ANALYSIS USING R	4	Advanced R Programming for Data Analytics in Business	24M14BIA16	3	noc25-mg154	Dr. Sunil Yadav
20B12BAF16	INVESTMENT MANAGEMENT	4	Quantitative Investment Management	24B14BAF16	3	noc25-mg97	Dr. Sunil Yadav
20B12BMM19	Product & brand Management	4	Product and Brand Management	24B14BMM19	3	noc25-mg96	Dr. Vikas Bhatnagar
20M12BAF11	SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	4	Security Analysis & Portfolio Management	24M14BAF11	3	noc25-mg98	Dr. Vikas Bhatnagar
20M12BOM19	Strategic Service Operations Management	4	Service Management: Integrating Strategy, Operations, and Technology	24M14BOM19	3	noc25-mg144	Dr. Vikas Bhatnagar
20M12BOM16	Sustainable Supply Chain Management	4	Logistics & Supply Chain Management	24M14BOM16	3	noc25-hs205	Dr. Sunil Yadav
20B12BAF14	WORKING CAPITAL MANAGEMENT	4	Working Capital Management	24B14BAF14	3	noc25-mg86	Dr. Sunil Yadav
23B12BBA20	Decision Modelling	4	Decision Making with Spreadsheet	25B14BBA20	3	https://onlinecourses.nptel.ac.in/noc25_mg113/preview,noc25_mg113	

MOOC COURSES FOR BACKLOG OF EVEN SEM							
JIIT Elective Course Code	Subject Name	Credits	MOOC Equivalent Course on NPTEL	JIIT MOOC Course Code	Credits	NPTEL Link	Course Coordinator
Dept of Biotech							
15B1NBT831	BIOPHARMACEUTICS AND PHARMACOKINETICS	3	Pharmacognosy and Phytochemistry	25B14BT418	3	noc25-ch102	Dr. Anirudhh
Dept of CA							
24M12CA112	Cloud Computing and Deployment	3	Cloud Computing	25M14CA112	3	noc25-cs107	Dr. Neetu
23B12CA211	Fundamentals of Artificial Intelligence	3	Artificial Intelligence: Concepts and Techniques	25B14CA111	3	noc25-cs159	Dr. Neetu
23B12CA216	Fundamentals of Machine Learning	3	Introduction to Machine Learning	25B14CA116	3	noc25-cs91	Dr. Neetu
23B12CA213	Introduction to Big Data and Data Analytics	3	Advanced R Programming for Data Analytics in Business	25B14CA117	3	noc25-mg154	Dr. Neetu
23B12CA215	Introduction to Cryptography and its Applications	3	Practical Cyber Security for Cyber Security Practitioners	25B14CA119	3	noc25-cs120	Dr. Neetu
Dept of CSE/IT							
22B12CS415	AI for Healthcare and Smart Systems	3	Reinforcement Learning	24B14CS454		noc25_cs92	Dr. Pratik Srivatava
21M21CS123	ESSENTIAL STATISTICS FOR DATA SCIENCE	3	Applied Accelerated Artificial Intelligence	25M14CS112	3	noc25_cs98	Dr. Pratik Srivatava

21B12CS313	Fundamentals of Distributed and Cloud Computing	3	Cloud Computing	21B14CS314	3	noc25_cs107	Dr. Arpita J Bhatt
21B12CS312	Sensor Technology & Android Programming	3	Getting Started with Competitive Programming	25B14CS320	3	noc25_cs97	Dr. Ankita Verma
22B12CS420	Software Construction using Kubernetes and Microservices	3	Real-Time Systems	25B14CS420	3	noc25_cs156	Dr. Shariq Murtaza
24M12CS123	Text Analytics	3	Introduction to Large Language Models (LLMs)	25M14CS150			Dr. Shariq Murtaza
19M12CS111	WEB INTELLIGENCE	3	Introduction to Industry 4.0 and Industrial Internet of Things	24M14CS132	3	noc25_cs146	Dr. Arpita J Bhatt
Dept of ECE							
18B12EC311	ADVANCED RADIO ACCESS NETWORKS	3	Modern digital communication techniques	25B14EC311	3	noc25-ee130	
17B1NEC741	DIGITAL HARDWARE DESIGN	3	Enclosure design of electronics equipment	25B14EC416	3	noc25-ee168	
24B21EC211	Electronic Devices	3	Microelectronics :devices to Circuits	24B14EC424	3	noc25-ee110	
17M22EC113	HDL BASED DIGITAL DESIGN	3	Electronic Systems Design: Hands-on Circuits and PCB Design with CAD Software	25B14EC414	3	noc25-ee163	
24B12EC415	Introduction to UAV Design	3	Pattern Recognition and Application	25B14EC415	3	noc25-ee127	

18B13EC314	MACHINE LEARNING FOR SIGNAL PROCESSING	3	Applied Linear Algebra for Signal Processing, Data Analytics and Machine Learning	25B14EC413	3	noc25-ee113	
24B12EC414	Physical Design for submicron technology	3	Fabrication Techniques for MEMs-based sensors : Clinical perspective	24B14EC426	3	noc25-ee144	
Dept of HSS							
23B18HS311	Workplace Communication	2	Soft Skills	25B14HS313	3	noc25_hs159	Dr. Ekta Singh
19B12HS611	ECONOMETRIC ANALYSIS	3	Regression Analysis	25B14HS311	3	noc25-ma65	M R Behera
17B1NHS732	INDIAN FINANCIAL SYSTEM	3	Economics of Banking and Finance Markets	25B14HS411	3	noc25-ec13	Prof. Mukta Mani and Dr Sakshi Varshney
19B12HS613	INTERNATIONAL TRADE & FINANCE	3	International Trade - Theory and Empirics	25B14HS312	3	noc25-hs164	Dr. Vandana Sehgal and Dr. Amba Agarwal
16B1NHS635	ORGANIZATIONAL BEHAVIOR	3	Organizational Behaviour	25B14HS317	3	noc25-mg80	Dr. Anshu Banwari
24B12HS313	Political Philosophy	3	Introduction to Western Political Thought	25B14HS315		noc25-hs188	Dr. Namreeta Kumari
15B1NHS434	PRINCIPLES OF MANAGEMENT	3	Organizational Behaviour - II	25B14HS211	3	noc25-mg136	Dr. Shikha Kumari
16B1NHS631	PROJECT MANAGEMENT	3	Project Management for Managers	19B14HS411	3	noc25-mg90	Dr. Deepak Verma
23M22HS212	Research Methodology in Economics	3	Marketing Research and Analysis	25P14HS112	3	noc25-mg89	Dr. Priya

Dept of MATH							
18B12MA612	APPLIED MATHEMATICAL METHODS	3	Advanced Theory of Ordinary Differential Equations	25B14MA317	3	noc25-ma119	Dr. Shashank Goel/Dr. Lokendra Kumar
16B1NMA633	STATISTICS	3	Algebra-1: Foundation	25B14MA318	3	noc25-ma76	Dr. Shashank Goel/Dr. Lokendra Kumar
Dept of PMSE							
16B1NPH632	SOLID STATE ELECTRONIC DEVICES	3	Introduction to Semiconductor Devices		3	noc25_ee92	Dr. Ravi Gupta