

# BCA

Title of the Course	Human Resource Management
Course Code	BCA 607

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Year	3rd	Semester	6th	Credits	L	T	Р	С
roui	ord	Genesiei	Out	Oreuns	2	0	0	2
Course Type	Theory only							
Course Category	Disciplinary Major							
Pre-Requisite/s	Students should b	pe familiar with Management of Human Re	source in Organizations.	Co-Requisite/s				
Course Outcomes & Bloom's Level								
Coures Elements	Skill Development Entrepreneurship Employability X Professsonal Ethic Gender  Human Values X Environment X	×	SDG (Goals)	SDG4(Quality education) SDG8(Decent work and economic growl	th)			

### Part B

Modules	Contents	Pedagogy	Hours
Unit-1	Understanding concept of Human Resource Management Concept, nature, scope, objectives and importance of HRM, Evolution of HRM, Challenges of HRM, Personnel Management vs HRM, Difference between PM and HRM, Role of HR Professional / Manager, Qualities of successful HR. Structure of HR Department, line and staff aspects of HRM.	Lectures with whiteboard/PPT, Recorded video/interactive videos	6
2	Acquisition of Human Resources Human Resource Planning: Process of human resource planning, forecasting demand and supply, succession planning. Job Analysis: Uses and Methods, Job description and Job specification. Recruitment, selection & orientation: Internal & external sources of recruitment, e-recruitment, advantages & problems of Internal & external recruitment, steps in placement and selection process, Selection tests and Interview, Orientation Programme and Induction. Job changes - transfers, promotions/demotions, separations	Lectures with whiteboard/PPT, Recorded video/interactive videos	10
3	Training and Development Concept and importance of training; types of training; methods of training; design of training programme; evaluation of training effectiveness; executive development - process and techniques, Mentoring and Coaching	Lectures with whiteboard/PPT, Recorded video/interactive videos	10
4	Performance Management System Performance and Potential appraisal - concept and objectives; traditional and modern methods, limitations of performance appraisal methods, Rating Errors and Biases, Uses of performance appraisal, Career Management: Career anchors, career life stages, career planning.	Lectures with whiteboard/PPT, Recorded video/interactive videos	9
5	Compensation Define reward, compensation, wage, salary, job evaluation - concept, process and significance, factors affecting employee remuneration; components of employee remuneration - base and supplementary, minimum, fair and living wage, types of benefits and services, incentive schemes. Maintenance: overview of employee welfare, health and safety, social security.	Lectures with whiteboard/PPT, Recorded video/interactive videos	8

# Part C

Modules	Title	Indicative-ABCA/PBL/ Experiments/Field work/ Internships	Bloom's Level	Hours
1-5		PBL		

# Part D(Marks Distribution)

	Theory							
Total Marks	Minimum Passing Marks	External Evaluation Min. External Evaluation		Internal Evaluation	Min. Internal Evaluation			
100	40	60	18	40				
	Practical							
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation			

### Part E

Books	Gerry Dessler, Human Resource Management, Pearson Publication					
Articles						
References Books Human Resource Management by R. Wayne Mondy, Pearson Publications, Delhi						
MOOC Courses						
Videos						

COs	PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	-	1	-	-	1	-	-	2	-	-	-	-	-	-	-
CO2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	1	-	-	2	-	1	1	ı	-	-	-	-	1	2	3
CO4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	-	-	3	-	-	1	-	-	-	-	-	-	-
CO6	-	-	-	-	-	-	-	1	-	2	-	-	i	-	-



### BCA

Title of the Course	Universal Human Values
Course Code	BCA-407

	•		Part A					
Year	2nd	Semester	4th	Credits	L	Т	Р	С
tear	ZIId	Semester	401	Credits	2	0	0	2
Course Type	Theory only							•
Course Category	Ability Enhancer	nent Courses						
Pre-Requisite/s				Co-Requisite/s				
Course Outcomes & Bloom's Level	aspirations of all CO2- CO2: To fa understanding or CO3- CO3: To hi interactions with	human beings.(BL2-Understand) cilitate the development of a holistic the human reality and the rest of ex	perspective among students towa xistence. (BL2-Understand) h a holistic understanding in terms	ALUES" and "SKILLS" to ensure sustained hay ards life and profession as well as towards hat of ethical human conduct, trustful and mutua g enquiring minds.(BL4-Analyze)	ppiness an	d prosperit	y based on	a correct
Coures Elements	Skill Developme Entrepreneurshi Employability X Professsonal Ett Gender  Human Values  Environment X	o X nics X	SDG (Goals)	SDG1(No poverty) SDG3(Good health and well-being) SDG4(Quality education) SDG5(Gender equality) SDG10(Reduced inequalities)				

### Part B

Modules	Contents	Pedagogy	Hours
I	Introduction to Value Education • Value education: Concept, Need and Process • Self- Exploration- what is it? – its content and process • The basic human aspirations- continuous happiness and prosperity • Method to fulfill the basic human aspiration • Right understanding, Relationship and Physical facility	Whiteboard, PPT, Video	6
II	Understanding Harmony in the Human Being- Harmony in Myself • Understanding human being as a co-existence of sentient !" and material 'Body' • Understanding the needs of ['I'] and 'Body' — Sukh' and 'Suvidha' • Understanding body as an instrument of 'I' ['I' being the seer, doer and enjoyer) • Understanding the Harmony of 'I' with the Body-Sanyam' and 'Swasthya' correct apprials of physical needs, meaning of prosperity in detail. • Program to ensure Sanyam and Swasthya.	Whiteboard, PPT, Programming Labs	6
III	Understanding the Harmony in Family and Society- harmony in Human-Human Relationship • Family as basic unit of human interactions and values in Relationships. • Understanding the harmony in Society (society being extension of family): Resolution, Prosperity, fearlessness(trust) and co-existence as comprehensive Human Goals. • Vision of the Universal Human Order • Understanding the meaning of Trust; difference between Intention and Competence. • Understanding the meaning of Respect, difference between Respect and Differentiation; the other salient values in relationship.	Whiteboard, PPT, Programming Labs	6
IV	Understanding the Harmony in the Nature and Existence – Whole Existence as Coexistence • Understanding the harmony in Nature • Interconnectedness and mutual fulfilment among the four orders of nature recyclability and self-regulation in Nature • Understanding Existence as Co-existence of mutually interacting units in all-pervasive space • Holistic perception of harmony at all levels of existence	Whiteboard, PPT, Programming Labs	6
V	Professional Ethics • Definitiveness of Ethical Human Conduct • Providing the basis for Universal Human Values and ethical Human conduct • Professional ethics in the light of right Understanding • Competence in Professional ethics • Strategies for transition towards Value-based life and profession.	Whiteboard, PPT, Programming Labs	6

### Part D(Marks Distribution)

	Theory									
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation					
100	40	60 18		40						
			Practical							
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation					

# Part E

Books	Naagarazan, R. S. (2020). A Textbook on Professional Ethics and Human Values (1st ed.). New Age International Private Limited. Gaur, R. R., Asthana, R., & Bagaria, G. P. (2019). A Foundation in Human Values and Professional Ethics (2nd ed.). Excel Books.
Articles	
References Books	Mazumdar, Prof. (2013). Values and Ethics in Profession (3rd ed.). Everest Publishing House. Tripathi, A. N. (2004). Human Values. New Age International Publishers.
MOOC Courses	
Videos	

COs	PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	-	-	-	-	-	-	-	2	-	-	1	1	1	2
CO2	-	2	-	-	-	-	-	-	-	-	2	2	1	2	-
CO3	1	-	-	-	-	-	-	-	2	-	-	1	-	1	1
CO4	-	2	-	-	-	-	-	-	-	-	2	2	1	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



# BTech-ElectricalEngineering

Title of the Course	Energy Management & Audit
Course Code	EEM0716

			Part A						
Year	4th	Semester	7th	Credits	L	Т	Р	С	
Tear	401	Semester	741	Credits	3	1	0	4	
Course Type	Theory only	Theory only							
Course Category	Discipline Ele	ectives							
Pre-Requisite/s				Co-Requisite/s					
Course Outcomes & Bloom's Level	CO2- Understand the need and significance of energy audit and management and understand the concept of measuring instruments for energy auditing, defining, and exar the various characteristics of instruments (BL2-Understand)  CO3- To understand efficient heat & electricity utilization, saving and recovery in different thermal and electrical system.(BL3-Apply)  CO4- Analyze energy consumption patterns and trends within an organization or system, evaluating the economic and environmental impacts of different energy managem practices.(BL4-Analyze)  CO5- Assess and compare various renewable energy technologies and their potential integration into existing energy systems, making informed recommendations based of easibility and sustainability criteria.(BL5-Evaluate)							, ,	

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Modules	Contents	Pedagogy	Hours
Unit-1	General energy problem: Energy use patterns and scope for conservation, Energy Scenario: Commercial and Non-commercial energy resources, Primary & secondary energy resources, Load forecasting, Energy needs of growing economy, Thermodynamics of Energy Conservation Energy Conservation Act-2001 and its features.	Talks and presentations	12
Unit-2	Energy audit: Auditing and Targeting, Types of energy audit, Energy monitoring, Energy accounting and analysis, Energy conservation policy, Energy Auditing instruments, , Energy management system, Use of Artificial intelligence based techniques in EMS, Functions of energy managers.	Talks and presentations	13
Unit-3	Energy efficient electric drives, Energy efficient motors, Energy Conservation in transportation system especially in electric vehicle, Energy recovery in thermal systems, waste heat recovery techniques, thermal insulation. Thermal energy audit in heating, ventilation and air conditioning qualities, Energy storage for power systems (Mechanical, Thermal, Electrical & Magnetic).	Talks and presentations	11
Unit-4	Power factor improvement in power system Energy conservation by improvement of load factor, Energy conservation in different industries, e.g. Iron and Steel industry, Aluminum industry, Cement industry, Paper and Faxilie industry, Electrical Energy Conservation in building, heating and lighting and domestic gadgets.	Talks and presentations	10
Unit-5	Demand side management Load management, Energy costs and two-part tariff, Restructuring of electric tariff from energy conservation consideration, Energy storage and Co-Generation, Payback period, Energy economics, Economic analysis depreciation method, time value of money, Evaluation method of projects, replacement analysis, inflation risk analysis.	Talks and presentations	14

Part D(Marks Distribution)

	Theory									
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation					
100	40	60	60 18		22					
			Practical							
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation					

## Part E

Books	Power Generation, Operation & Control, A.J. Wood and B.F. Wolenberg, John Wiley & Sons Ltd.     Patterns of Energy Use in Developing Countries by Desai, Wiley Eastern Ltd.
Articles	
References Books	Electrical energy utilization and conservation S C Tripathi ,Tata McGraw Hills     Energy Conservation- Paul O Callagan- Pergamon Press
MOOC Courses	
Videos	

COs	PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	-	-	-	-	3	3	3	-	-	-	-	-	-	-
CO2	3	3	1	2	-	3	2	3	-	-	-	-	-	-	-
CO3	3	3	1	2	-	3	2	3	-	-	-	-	-	-	-
CO4	3	3	1	2	-	3	2	3	-	-	-	-	-	-	-
CO5	3	3	1	2	-	3	2	3	-	-	-	-	-	-	-
CO6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



# BTech-ElectricalEngineering

Title of the Course	Smart Grid and Energy Management
Course Code	EEM0824

			Part A							
Year	4th			Credits	L	Т	Р	С		
rear	401	Semester	8th	Credits	3	1	0	4		
Course Type	Theory only	Theory only								
Course Category	Discipline Ele	ectives								
Pre-Requisite/s		Co-Requisite/s								
Course Outcomes & Bloom's Level	CO2- Conduc CO3- Evalua CO4- Explore	CO1- Understand the fundamental principles, methodologies, and practices in energy management (BL1-Remember) CO2- Conduct comprehensive energy audits to identify energy-saving opportunities and strategies (BL2-Understand) CO3- Evaluate and implement energy efficiency measures in residential, commercial, and industrial buildings (BL3-Apply) CO4- Explore and analyze sustainable energy solutions and their impact on energy management practices (BL4-Analyze) CO5- Develop and implement effective energy management systems tailored for different facilities (BL5-Evaluate)								
Coures Elements	Skill Develop Entrepreneur Employability Professsonal Gender ✓ Human Value Environment	ship√ √√ Ethics√ es×	SDG (Goals)	SDG4(Quality education) SDG7(Affordable and clean energy) SDG8(Decent work and economic growth SDG9(Industry Innovation and Infrastructu						

#### Part F

Modules	Contents	Pedagogy	Hours
Unit-1	Introduction to Smart Grid: Evolution of electric grid, Definitions, Need for smart grid, Smart grid drivers, Functions of smart grid, Opportunities and barriers of smart grid, Difference between conventional grid and smart grid, Concept of resilient and self-healing grid. Components and architecture, Inter-operability, Impacts of smart grid on system reliability, Present development and international policies in smart grid, Smart grid standards.	Talks and presentations	12
Unit-2	Information and Communication Technology in Smart Grid: Wired and wireless communication -radio mesh, ZIGBEE, 3G, 4G and 5G. Digital PLC, DSL, Wi-Max, LAN, NAN, HAN, Wi-Fi, Bluetooth, Bluetooth Low Energy (BLE), Li-Fi. Communication Protocols in Smart grid, Introduction to IEC 61850 standard and benefits, IEC Generic Object-Oriented Substation Event - GOOSE, Substation model.	Talks and presentations	13
Unit-3	Smart grid Technologies Part I: Introduction to smart meters, Electricity tariff, Real Time Pricing- Automatic Meter Reading (AMR) - System, Services and Functions, Components of AMR Systems, Advanced Metering Infrastructure (AMI). Plug in Hybrid Electric Vehicles (PHEV), Vehicle to Grid (V2G), Grid to Vehicle (G2V), Smart Sensors, Smart energy efficient end use devices, Home & Building Automation. Intelligent Electronic Devices (IED) and their application for monitoring & protection: Digital Fault Recorder (DFR), Digital Protective Relay (DPR), Circuit Breaker Monitor (CBM), Phasor Measurement Unit (PMU), Standards for PMU. Time synchronization techniques, Wide Area Monitoring System (WAMS), control and protection systems (Architecture, components of WAMS, and applications: Voltage stability assessment, frequency stability assessment, power oscillation assessment, communication needs of WAMS, remedial action scheme).	Talks and presentations	11
Unit-4	Smart grid Technologies Part II: Smart substations, Substation automation, Feeder automation, Fault detection, Isolation, and Service Restoration (FDISR), Geographic Information System (GIS), Outage Management System (OMS). Introduction to Smart distributed energy resources and their grid integration, Smart inverters, Concepts of microgrid, Need and application of microgrid – Energy Management- Role of technology in demand response- Demand side management, Demand side Ancillary Services, Dynamic line rating.	Talks and presentations	10
Unit-5	Cloud computing in smart grid: Private, Public and hybrid cloud. Types of cloud computing services- Software as a Service (SaaS), Platform as a service (PaaS), Infrastructure as a service (laaS), Data as a service (DaaS), Cloud architecture for smart grid. Cyber Security - Cyber security challenges and solutions in smart grid, Cyber security risk assessment, Security index computation. Power Quality Management in Smart Grid- Fundamentals, Power Quality (PQ) & Electromagnetic Compatibility (EMC) in smart grid, Power quality conditioners for smart grid. Case study of smart grid.	Talks and presentations	14

### Part D(Marks Distribution)

	Theory								
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation				
100	40	60	18	40	22				
	Practical								
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	aluation Internal Evaluation Min. Int					

# Part E

Books	Stuart Borlase "Smart Grid Infrastructure Technology and Solutions", CRC Press; 2nd edition. 2. James Momoh, "Smart Grid: Fundamentals of Design and Analysis", Wiley, 2012.     S. Chowdhury, "Microgrids and Active Distribution Networks." Institution of Engineering and Technology, 2009.
Articles	
References Books	4. Janaka Ekanayake, Kythira Liyanage, Jianzhong Wu, Akihiko Yokohama, Nick Jenkins- "Smart Grids Technology and Applications", Wiley, 2012. 5. Clark W.Gellings, "The Smart Grid: Enabling Energy Efficiency and Demand Response", CRC Press. 6. Jean Claude Sabonnadière, Nouredine Hadjsaïd, "Smart Grids", Wiley Blackwell.
MOOC Courses	
Videos	

COs	PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	1	3	1	1	-	1	3	-	1	-	-	1	-	1
CO2	3	1	2	2	-	1	1	-	-	1	-	-	1	1	1
CO3	2	1	3	2	1	1	2	1	1	-	-	-	-	1	1
CO4	2	1	2	1	-	1	3	-	1	1	-	-	1	1	1
CO5	1	1	1	2	1	-	1	1	-	-	-	-	1	-	1
CO6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



# BTech-Electronics\_and\_Communication

Title of the Course	Making of Modern India										
Course Code	MCL0202[T]										
			Part A								
Year	1st	Semester	2nd	Credits	L	Т	Р	С			
Teal	1st Semester	2110	Credits	2	0	0	2				
Course Type	Theory only				•		•				
Course Category	Humanities, Social Scien	Humanities, Social Sciences and Management									
Pre-Requisite/s	Basic knowledge of soci	ial sciences and political sciences.		Co-Requisite/s							
Course Outcomes & Bloom's Level	CO2- The students will h	have an understanding of making of	illy well equipped to have a sense of mode India as a nation and salient features of mo nking horizon for being a good and concer		er)						
Coures Elements	Skill Development X Entrepreneurship X Employability X Professsonial Ethics X Gender ✓ Human Values ✓ Environment X		SDG (Goals)	SDG4(Quality education) SDG5(Gender equality) SDG15(Life on land)							

#### Part R

Modules	Contents	Pedagogy	Hours
1	Idea of India in historical perspective a) Indian culture, b) cultural commonness, c)cultural diversities, d)unity in diversity, e) cultural accommodations ,f) cultural conflicts, g)Idea of India and British Rule , h) Role of Indian Intelligentsia.	Lecture Method	6
П	Emergence and growth of Indian Nationalism a) Anti-colonial basis, b) Economic Nationalism, c) communalism and nationalism, d) revivalism and Indian nationalism, e)Enlightenment values, f)European Nationalism and Indian Nationalism.	Lecture Method	6
III	Social Reform Movements (a) British Rule and Indian introspection, (b) Raja Rammohan Roy, (c) social reform movements in 19th century, (d)Swami Vivekanand, (e)The women issue, (f)Caste system.	Lecture Method	6
IV	Indian National Movement (a) Early Revolts and 1857 Revolt, (b)Early Nationalists, (c) Bang Bhang Movement, (d) Gandhi led Mass Movements, (e) Socialist and Left trends, (f) Princely States and their integration into nation, (h)Partition and Independence .	Lecture Method	6
V	India after independence a) Making of Indian Constitution, (b) Post Independent Nehru Era, (c) India facing Wars, (d) Indian economy- From Planning to LPG, (e) Achievements, (f) Challenges in 21st century India.	Lecture Method	6

# Part D(Marks Distribution)

	Theory							
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation			
100	40	60	18	40				
			Practical					
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation			

### Part E

Books	1. Bipan Chandra and others: India's Struggle For Independence, Penguine Publishers. 2. Bipan Chandra: History Of Modern India, Orient Blackswan publishers. 3. Sunil Khilnani: The Idea of India, Penguine publishers. 4. Shekhar Bandopadhyay: From Plastic to Partition and After, A History of Modern India, Orient Blackswan publishers. 5. Rakesh Batabyal: The Penguine Book of Modern Indian Speeches, 1878 to Present, Penguine Publishers. 6. A R Desai: Social Background of Indian Nationalism, Popular Prakashan. 7. B R Nanda: Mahatma Gandhi, A Biography, London.
Articles	
References Books	B.R.Nanda:Gandhi and His Critics, Oxford 2. Girja Shankar: Socialist Trends in Indian National Movement ,Meerut 3. Urmila Phadnis:Towards the integration of Indian States,1919-1947,Mumbai 4. Bimal Prasad: Gandhi,Nehru and JP,A Study in Leadership,New Delhi 5. Bipan Chandra and others:India Since Independence ,Penguine 6. Ramchandra Guha:Makers of Modern India, Penguine. 17. Austin Granville: The Indian Constitution, Oxford
MOOC Courses	https://ugcmoocs.inflibnet.ac.in/index.php/courses/view_ug/61
Videos	

COs	PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	2	-	1	-	-	-	-	-	-	-	-	-	-	-
CO2	-	-	2	-	-	1	-	-	1	-	-	-	-	-	-
CO3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



# BTech-MechanicalEngineering

Title of the Course	Making of Modern I	aking of Modern India									
Course Code	MCL0202[T]	ICL0202[T]									
	Part A										
Year	1st	Semester	2nd	Credits		Т	Р	С			
					2	0	0	2			
Course Type	Theory only	Theory only									
Course Category	Humanities, Social	Humanities, Social Sciences and Management									
Pre-Requisite/s	Basic knowledge of	f social sciences and political sciences.		Co-Requisite/s							
Course Outcomes & Bloom's Level	CO2- The students	this course, students would be intellectually v will have an understanding of making of India students to develop their personality and thinl	as a nation and salient features of modern	India.(BL2-Understand)							
Coures Elements	Skill Development : Entrepreneurship > Employability X Professsonal Ethics Gender J Human Values J Environment X	(	SDG (Goals)	SDG1(No poverty) SDG4(Quality education) SDG5(Gender equality) SDG15(Life on land)							

### Part B

Modules	Contents	Pedagogy	Hours
5	I. Idea of India in historical perspective a) Indian culture, b) cultural commonness, c)cultural diversities, d)unity in diversity, e) cultural accomodations, f) cultural conflicts, g) Idea of Indian intelligentsia. 2. Emergence and growth of Indian Nationalism a) Anti-colonial basis, b) Economic Nationalism, c) communalism and nationalism and Indian Nationalism 3. Social Reform Movements a) British Rule and Indian introspection, b)Raja Rammohan Roy, c) social reform movements in 19th century, d)Swami Vivekanand, e)The women issue, f)Caste system 4. Indian National Movement, a) Barig Bhang Movement, d) Gandhi led Mass Movements, e) Socialist and Left trends, f) Princely States and their integration into nation, h)Partition and Independence. 5. India after independence a)Making of Indian Constitution, b) Post Independent Nehru Era, c) India facing Wars, d) Indian econmy-From Planning to LPG, e) Achievements, f) Challenges in 21st century India.	Class room Lecuters	24

### Part D(Marks Distribution)

Theory									
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	n Min. Internal Evaluation				
100	40	40	12	60					
	Practical								
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation				
	0	0							

### Part E

	1 41/2
Books	Bipan Chandra and others: India's Struggle For Independence , Penguine Publishers. 2. Bipan Chandra: History Of Modern India, Orient Blackswan publishers. 3. Sunil Khilnani: The Idea of India, Penguine publishers. 4. Shekhar Bandopadhyay: From Plastic to Partition and After, A History of Modern India, Orient Blackswan publishers. 5. Rakesh Batabyal: The Penguine Book of Modern Indian Speeches,1878 to Present, Penguine Publishers. 6. A R Desai:Social Background of Indian Nationalism, Popular Prakashan . 7. B R Nanda: Mahatma Gandhi ,A Biography,London
Articles	
References Books	B.R.Nanda:Gandhi and His Critics, Oxford 2. Girja Shankar: Socialist Trends in Indian National Movement, Meerut 3. Urmila Phadnis:Towards the integration of Indian States,1919-1947, Mumbai 4. Bimal Prasad: Gandhi, Nehru and JP,A Study in Leadership, New Delhi 5. Bipan Chandra and others:India Since Independence, Penguine 6. Ramchandra Guha:Makers of Modern India, Penguine. 17. Austin Granville: The Indian Constitution, Oxford
MOOC Courses	https://ugcmoocs.inflibnet.ac.in/index.php/courses/view_ug/61
Videos	

COs	PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	2	-	1	-	-	-	-	-	-	-	-	-	-	-
CO2	-	-	2	-	-	1	-	-	2	-	-	-	-	-	-
CO3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



# BTech-CivilEngineering

Title of the Course	Making of Modern	Making of Modern India										
Course Code	MCL0202[T]	MCL0202[T]										
			Part A									
Year	1st	Semester	2nd	Credits	L	Т	Р	С				
Teal	131	Geniestei	Ziid	Orealis	3	0	0	3				
Course Type	Theory only				•		•					
Course Category	Humanities, Socia	al Sciences and Management										
Pre-Requisite/s				Co-Requisite/s								
Course Outcomes & Bloom's Level	CO2- The student CO3- The student	of this course, students would be intellect to will have an understanding of making o to will have an understanding of salient fe tudents to develop their personality and t	f India as a nation(BL2-Understand) atures of modern India(BL2-Understa		aluate)							
Coures Elements	Skill Development X Entrepreneurship X Employability X Professsonal Ethics ✓ Gender ✓ Human Values ✓ Environment X			SDG4(Quality education) SDG5(Gender equality) SDG15(Life on land)								

Part B

	Par	art B					
Modules	Contents	Pedagogy	Hours				
1	Idea of India in historical perspective a) Indian culture, b) cultural commonness, c)cultural diversities, d)unity in diversity, e) culturall accomodations ,f) cultural conflicts, g)Idea of India and British Rule , h) Role of Indian Intelligentsia.	Lectures with Presentation and Case Studies	6				
2	Emergence and growth of Indian Nationalism a) Anti-colonial basis ,b) Economic Nationalism ,c) communalism and nationalism ,d) revivalism and Indian nationalism ,e)Enlightenment values ,f)European Nationalism and Indian Nationalism	Lectures with Presentation and Case Studies	6				
3	Social Reform Movements a) British Rule and Indian introspection ,b)Raja Rammohan Roy, c) social reform movements in 19th century , d)Swami Vivekanand ,e)The women issue ,f)Caste system	Lectures with Presentation and Case Studies	6				
4	Indian National Movement a)Early Revolts and 1857 Revolt, b)Early Nationalists ,c) Bang Bhang Movement , d) Gandhi led Mass Movements, e) Socialist and Left trends , f) Princely States and their integration into nation, h)Partition and Independence .	Lectures with Presentation and Case Studies	6				
5	India after independence a)Making of Indian Constitution ,b) Post Independent Nehru Era , c) India facing Wars , d) Indian econmy- From Planning to LPG ,e) Achievements, f) Challenges in 21st century India.	Lectures with Presentation and Case Studies	6				

Part D(Marks Distribution)

Theory											
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation						
100	40	40	12	60	0						
	Practical										
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation						
	0	0									

Part E

Books	
Articles	
References Books	
MOOC Courses	
Videos	

COs	PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	0	1	1	0	1	1	1	2	2	1	1	1	1	1	1
CO2	0	1	2	1	0	1	1	1	1	1	0	1	2	1	1
CO3	0	1	2	1	0	1	1	1	1	1	0	1	2	1	1
CO4	0	0	1	1	1	2	2	2	2	1	1	2	2	2	2
CO5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-