

MCET (BE - ECE) Curriculum for M21 - Regulation

Course Code	Course Title					Core/Elective	
5MC402HS	Essence of Indian Traditional Knowledge					MC	
Prerequisite	Contact Hours per Week				CIE	SEE	Credits
	L	T	D	P			
-	2	0	-	0	40	60	0

COURSE OBJECTIVES :

1. To reinforce the students understanding with the pan-Indian heritage in terms of culture, traditions and knowledge.
2. To impart understanding of the importance of the roots of the traditional knowledge and types.
3. To impart basic knowledge on the evolution of the multiple languages that highlight India's diversity.
4. To know Indian Languages, Philosophies, Religion, Literature, Fine arts and Technology.
5. To explore the Ancient Science, Scientists, in Medieval and Modern India; the education system.

COURSE OUTCOMES :

1. Understand the concepts of Indian culture and Traditions and their importance.
2. Distinguish the Indian languages and literature
3. Learn the philosophy of ancient, medieval and modern India.
4. Acquire the information about the fine arts in India
5. Know the contribution of scientists of different eras, interpret the concepts and the importance to protect Intellectual property of the nation.

UNIT - I

- Dawn of human civilization and evolution of various cultures.
- Introduction to Culture: Civilization, Culture and heritage.
- General characteristics of culture, importance of culture in human literature.
- Indian Culture, Ancient India, Medieval India, Modern India.

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UNIT - II

Indian Languages, Culture and Literature:

- Indian Languages and Literature-I:
- The evolution and role of Sanskrit, significance of scriptures to current society.
- Indian philosophies, other Sanskrit literature, literature of south India.
- Indian Languages and Literature - II :
- Northern Indian languages & literature.

UNIT-III

- Religion and Philosophy.
- Religion and Philosophy in ancient India.
- Religion and Philosophy in medieval India.
- Religious reform movements in modern India (selected movements only).

UNIT -IV

Fine Arts in India (Art, Technology & Engineering):

- Indian Painting, Indian handicrafts.
- Music: Divisions of Indian classic music, modern Indian music.
- Dance and Drama-Indian Architecture (ancient, medieval and modern) Science and Technology in India.
- development of science in ancient, medieval and modern India. Their relation in terms of modern scientific perspective.
- Protection of traditional knowledge, significance, value to economy.
- role of government in protection of indigenous knowledge and technology; protection of traditional knowledge bill, 2016.

UNIT-V

- Education System in India:
- Education in ancient, medieval and modern India.
- Aims of education, subjects, languages.
- Science and Scientists of Ancient India, Science and Scientists of Medieval India, Scientists of Modern India.

MCET (BE - ECE) Curriculum for M21 - Regulation

Course Code	Course Title				Core/Elective		
5HS403HS	Human Values and Professional Ethics				Core		
Prerequisite	Contact Hours per Week				CIE	SEE	Credits
	L	T	D	P			
Adaptive	3	0	-	0	40	60	3

COURSE OBJECTIVES :

1. To create an awareness on Human Values and Engineering Ethics.
2. To move from discrimination to commitment.
3. To understand social responsibility of an engineer.
4. To appreciate ethical dilemma while discharging duties in professional life.
5. To encourage students to discover what they consider valuable in life.

COURSE OUTCOMES :

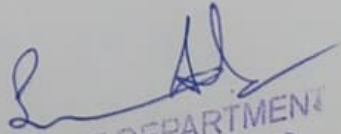
1. Understand the significance of value inputs in a classroom and start applying them in their life and profession
2. Distinguish between values and skills, happiness and accumulation of physical facilities, the Self and the Body, Intention and Competence of an individual, etc.
3. Understand the role of a human being in ensuring harmony in society and nature.
4. Distinguish between ethical and unethical practices, and start working out the strategy to actualize a harmonious environment wherever they work.

UNIT - I

Introduction to Value Education: Value Education, Definition, Concept and Need for Value Education. The Content and Process of Value Education. Basic Guidelines for Value Education. Self-exploration as a means of Value Education. Happiness and Prosperity as parts of Value Education.

UNIT-II

Harmony in the Human Being: Human Being is more than just the Body. Harmony of the Self ('I') with the Body. Understanding Myself as Co-existence of the Self and the Body. Understanding Needs of the Self and the needs of the Body. Understanding the activities in the Self and the activities in the Body.


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UNIT-III

Harmony in the Family and Society and Harmony in the Nature

Family as a basic unit of Human Interaction and Values in Relationships. The Basics for Respect and today's Crisis: Affection, Guidance, Reverence, Glory, Gratitude and Love. Comprehensive Human Goal: The Five Dimensions of Human Endeavour. Harmony in Nature : The Four Orders in Nature. The Holistic Perception of Harmony in Existence.

UNIT - IV

Social Ethics : The Basics for Ethical Human Conduct. Defects in Ethical Human Conduct. Holistic Alternative and Universal Order. Universal Human Order and Ethical Conduct. Human Rights violation and Social Disparities.

UNIT - V

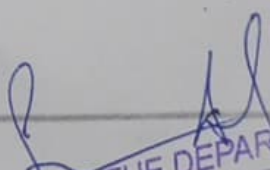
Professional Ethics : Value based Life and Profession. Professional Ethics and Right Understanding. Competence in Professional Ethics. Issues in Professional Ethics— The Current Scenario. Vision for Holistic Technologies, Production System and Management Models.

TEXT BOOKS :

1. R. R. Gaur, R Sangal, G P Bagaria; -A Foundation Course in Human Values and Professional Ethics, 2009.
2. Prof. K. V. Subba Raju, -Success Secrets for Engineering Students, Smart Student Publications, 3rd Edition, 2013, Ivan Illich, 1974, Energy & Equity, The Trinity Press, Worcester, and Harper Collins, USA.

REFERENCE BOOKS:

1. E. F. Schumaner, 1973, "Small is Beautiful: a study of economics as if people mattered". Blond & Briggs, Britain.
2. A Nagraj, 1998, "Jeevan Vidya ek Parichay", Divya Path Sansthan, Amarkantak. Sussan George, 1976, How the Other Half Dies, Penguin Press, Reprinted 1986.
3. Smriti Shrivastava, "Human Values and Professional Ethics", Katson Publications, 2007
4. Bertrand Russell, "Human Society in Ethics & Politics".
5. Corliss Lamont, "Philosophy of Humanism".


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MCET (BE - ECE) Curriculum for M21 - Regulation

Course Code	Course Title				Core/Elective		
SMC303HS	Indian Constitution				MC		
Prerequisite	Contact Hours per Week				CIE	SEE	Credits
	L	T	D	P			
-	2	0	-	0	40	60	0

COURSE OBJECTIVES :

1. To create awareness and relevance of the Indian Constitution, its directive principles.
2. To impart understanding of the role, powers and functions of administration at the Central, State and local levels.
3. To expose students to the relations between Central/Federal, State and Provincial units, divisions of executive, legislative and judiciary in them.
4. To impart knowledge about the statutory institutions and their role.

COURSE OUTCOMES:

1. Have a general knowledge and back ground of the Constitution of India and its importance.
2. Will distinguish and understand the working of the Central, state and provincial levels of administration.
3. Will be conscious about the fundamental duties, responsibilities and rights as an ideal citizen of India
4. Will be able to perceive and interpret the functioning and distribution of resources between centre and state.
5. Have an awareness and relate to the existing hierarchy of the social structure, election process and grievance redressal in a democracy.

UNIT-I

Introduction to Constitution- Meaning, reasons for having a constitution. Evolution of the Indian Constitution: History, 1909 Act, 1919 Act and 1935 Act. Constituent Assembly: Composition and Functions; Preamble- its importance and key words; Fundamental features of the Indian Constitution. Emergency powers.

UNIT-II

Style of Governance adopted, Structure of the Indian Union, Relationship between bodies in hierarchy.

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Union Government: Executive-President, Prime Minister, Council of Minister-role, position and powers.

State Government: Executive: Governor, Chief Minister, and Council of Minister - role, position and powers.

Local Government: Panchayat Raj Institutions, Rural and Urban local bodies-composition, role, position and powers.

UNIT - III

Rights and Duties: Fundamental Rights- importance and salient features, Directive principles of State Policy-meaning and purpose, classification, importance and implementation

Fundamental duties of a good citizen.

UNIT-IV

Relation between Federal and Provincial units:

Union-State relations: Administrative, legislative and Financial, Inter-State council, NITI Ayog, Finance Commission of India.

Judiciary: Meaning and Functions, Conditions of independence of judiciary, Composition and powers of Supreme court, judicial activism and judicial restraint.

UNIT - V

Constitutional bodies: Finance Commission, UPSC, Election Commission, the CAG, National Commissions for SCs and STs, etc.


Statutory Institutions: Securities & Exchange Board of India, National Human Rights Commission, National Commission for Women, National Commission for Minorities, National Green Tribunal, National Commission for Protection of Child Rights etc.

TEXT BOOKS :

1. Durga Das Basu, "Introduction to the Constitution of India", 25th Edition, English- Hardcover – 1 January 2021, Dr. Durga das Basu (Author), ASIN:B091Q92R7R Publisher:Lexis Nexis, New Delhi, 2021.
2. PM Bhakshi, "The Constitution of India", 1 January 2017, English, Paperback, Publisher Universal Law Publishing - An imprint of Lexis Nexis.

REFERENCE BOOKS:

1. Subhash Kashyap, "National Book Trust Our Parliament", English Medium, ISBN 19788123701479, Publication National Book Trust-New Delhi.
2. Peu Ghosh, "Indian Government and Politics Paperback", (Author) Publisher: Prentice Hall India Learning Private Limited (1 January 2012), English, Paperback, ISBN-10: 8120346491; ISBN-13 : 978-8120346499.
3. Dr. B.L. Fadia, Dr. Kuldeep Fadia, "Indian Government and Politics", Authors: ISBN: 978-93 84885-62-5, Sahithya Bhavan Publications, Agra.


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MCET (BE - ECE) Curriculum for M21 - Regulation

HS 502HS & HS602HS	Effective Technical Communication (Common to ECE, ME, CE & EEE-V SEM & CSE & AI & DS-VI SEM)				Core		
Prerequisite	Contact Hours Per Week				CIE	SEE	Credits
	L	T	D	P			
	2	-	-	-	40	60	2

COURSE OBJECTIVES :

The following are the Objectives of the Course:

1. To Understand the process, features and barriers of Communication.
2. To learn the aspects of communication and Presentation.
3. To comprehend the types of official and business correspondence.
4. To analyze the techniques of Report Writing
5. Aspects of data transfer and presentation.

COURSE OUTCOMES :

After completion of the course, the student will be able to :

1. Handle Technical Communication effectively by over coming barriers of communication.
2. Use different types of Professional correspondence to communicate effectively.
3. Use different types of Business and Inter Office Correspondence.
4. Acquire adequate skills to draft reports efficiently.
5. Enhance their skills of information transfer.

UNIT-I

Introduction to Communication.

Definition, process and Channels of Communication.

ABC of Technical communication.

Barriers to communication.


Differences between general and Technical writing.

UNIT-II

Aspects of Communication.

Importance of listening and types of Listening.

Types of Technical communication (Oral and Written).


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Features of technical communication (Precision, relevance, format, style & Use of visual aids).

Persuasive Techniques.

UNIT - III

Technical Writing-I

Emails

IOM

Business Letters - enquiry and response; compliant and Adjustment; placement of order; Cover letters/Job Application & Resume Writing.

Business Proposals.

UNIT - IV

Technical Writing -II

Types of technical Reports (Informative, analytical, periodic, special, formal and Informal).

Formal Elements of a Report.

Feasibility, Project, Progress and Evaluation reports.

UNIT - V

Information Transfer and Presentations

Non-verbal to verbal

Verbal to Non - Verbal

Important aspects of Oral and Visual Presentations.

SUGGESTED READING:

1. Raman, Meenakshi & Sharma, Sangeeta.(2015). "Technical Communication: Principles and Practice", 3rd ed., New Delhi. OUP.
2. Rizvi, Ashraf, M (2017). "Effective Technical Communication", 2nd ed., New Delhi, Tata McGraw Hill Education.
3. Sharma, R. C & Mohan, Krishna.(2017). "Business Correspondence and Report Writing: A Practical approach to business & technical communication", 4th ed., New Delhi, Tata McGraw Hill Education.
4. Tyagi, Kavita & Misra, Padma.(2011). "Advanced Technical Communication". New Delhi, PHI Learning.
5. Jungk, Dale.(2004). "Applied Writing for Technicians", Newyork, McGraw Hill Higher Education.



Class: III Semester BE CSE - A 2023 - 2024 Semester: III W. E. F: 19 - 09 - 2023 LH: E - 201

Department of Computer Science and Engineering.
CLASS TIME - TABLE

Day / Period	I	II	III	IV	1:15 - 2:00	V	VI	VII
MON	09:15 - 10:15	10:15 - 11:15	11:15 - 12:15	12:15 - 01:15		02:00 - 03:00	03:00 - 04:00	04:00 - 05:00
TUE	COM/DBMS Lab	COM/PPL Lab	EITK DBMS	EITK STLD	L U N C H	CRT TRAINING	CRT TRAINING	LIBRARY
WED	DBMS/PPL Lab	DBMS/PPL Lab	P&S DBMS	P&S DBMS		STLD	COM	COM
THU		SDC-I	DBMS	DBMS		P&S	PPL	SPORTS
FRI	PPL	STLD	COM	DBMS		Dis. M	Dis. M	REMEDIAL
SAT	P&S	Dis. M	Dis. M	COM		STLD	COM	INTERNET

* (T) - Tutorial Concern Faculty

Course Code	Course Name	Name of the Faculty	Course Code	Course Name	Name of the Faculty
3BS305HS	P & S - Probability & Statistics	Mr. T. Joseph	3PC351CS	DBMS Lab - Database Management Systems Lab	Dr. T. Praveen Kumar
3EES301 EC	STLD - Switching Theory and Logic Design	Mrs. J. Sowmya	3PC352CS	COM Lab - Computer Organization and Microprocessor Lab	Mrs. A. Sowjanya/ Mrs. K. Keerthi/ Mrs. Maleka Anjum
3PC301CS	DBMS - Database Management Systems	Dr. T. Praveen Kumar	3PC353CS	PPL (PPL Lab) - Python Programming Lab	Mr. Shaik Rasool/ Mrs. Lalitha
3PC302CS	Dis. M - Discrete Mathematics	Mr. Venkatram Vennam	3PW354CS	SDC - I - Skill Development Course - I (IOT)	Dr. Syed Azahad/ Dr. Shaik Khaleel Ahamad/ Mr. Uday Kumar
3PC303CS	COM - Computer Organization and Microprocessor	Mrs. A. Sowjanya	CRT Training		
3MC302HS	EITK - Essence of Indian Traditional Knowledge	Mrs. Prashanthi			Mrs. A. Sowjanya

Class Coordinator: Mrs. A. Sowjanya

Department of Computer Science

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Department of Computer Science

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Class: V Semester BE CSE-B
 2023 - 2024 Semester: V
 W. E. F: 04-09-2023
 LH: E - 209

Day / Period	I	II	III	IV	1:15-2:00	V	VI	VII
MON	DIP	Dis.M	LIBRARY	PPL	L	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00
TUE	PPL	SE	Dis.M	AI	U	AI/DIP Lab	LIBRARY	LIBRARY
WED	Dis.M	SE	DIP	IC	N	Soft Skills Lab - I	LIBRARY	MAKEUP
THU	DIP/AI Lab	SE	PPL	DIP	C	AI	INTERNET	TUTORIAL
FRI	AI	SE	DIP	PPL	H	CRT TRAINING	CRT TRAINING	SPORTS
SAT	IC	AI	SDC-III			CRT TRAINING	CRT TRAINING	REMEDIAL
								INTERNET

*(T) - Tutorial Concern Faculty

Course Code	Course Name	Name of the Faculty	Course Code	Course Name	Name of the Faculty
3PC507CS	Artificial Intelligence	Dr. U. Moulali	3PC559CS	Artificial Intelligence Lab	Dr. U. Moulali/Mr. Raju
3ES501CS	Digital Image Processing	Mrs. Unnati Khanapurkar	3ES551CS	Digital Image Processing Lab	Mrs. Unnati Khanapurkar
3PC508CS	Software Engineering	Mr. Srinu Dharavath	3PW560CS	Skill Development Course- III	Mrs Harika/ Mrs.K.Radhika/Mr. Uday Kumar
OE501CE	O.E-I(Disaster Mitigation)	Mrs. Mary Soujanya	3HSS53HS	Soft Skills Lab - I	Ms. J. Hephzabah/Mr. Murthy
3PE504CS	Principles of Programming Languages	Mr. M Krishnamurty		CRT Training	Mrs. Unnati Khanapurkar
3MC503HS	Indian Constitution	Mr. Satyapal Reddy			

Class Coordinator: Mrs. Unnati Khanapurkar

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Dept. of Computer Science
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 This Table Coordinator

Head of the Department
 Department of CSE
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Established in 2008
Department of Computer Science and Engineering.

Class: IV Semester BE CSE - A 2023-2024 Semester: IV W.E. F:22-02-2024 LH: E - 201

Day / Period	I 09:15-10:15	II 10:15-11:15	III 11:15-12:15	IV 12:15-01:15	V 1:15-2:00	VI 02:00-03:00	VII 03:00-04:00	VIII 04:00-05:00
MON	← CN/OS Lab →		HVPE	OS	LUNCH	← CRT Training →		
TUE	← OS/JAVA Lab →		OS	CN		← CRT Training →		
WED	HVPE	OPT	← SDC-II →		OS DM	DM	DM	MAKEUP
THU	← JAVA/CN Lab →		JAVA	TUTORIAL	OPT	SDC-II	DM	REMEDIAL
FRI	CN	CN	DM	OPT	SDC-II	CN	JAVA	MENTOR
SAT	DM	OPT	SDC-II	OS				

* (T) - Tutorial Concern Faculty

Course Code	Course Name	Name of the Faculty	Course Code	Course Name	Name of the Faculty
3HS404HS	Optimization & Problem Solving Techniques	Mrs Hima Bindu	3PC455CS	Operating SystemsLab	Dr. G. Saritha/Mrs J Sowmya/Mrs Maleka Anjum
3PC404CS	DataMining	Mr. Srinudharavath	3PC456CS	ComputerNetworksLab	Mrs K Keerthi / Mr. Venkatram/Mrs Lalitha/Mr Muralidhar
3PC405CS	Operating Systems	Dr M Sharadha varalakshmi	3PC457CS	JavaProgrammingLab	Mrs Vasavi Sravanthi /Ms. Nandhini/ Mr Srikar
3PC406CS	ComputerNetworks	Mrs K Keerthi	3PW458CS	Skill Development Course-II	Mrs. B. Sowjanya/ Dr U Moulali /Mrs Ch Sravanthi/ Mr Muralidhar
3HS403HS	Human ValuesProfessional Ethics	Dr Sunil Solomon	CRT Training		Mrs Vasavi Sravanthi

Class Coordinator: Mrs Vasavi Sravanthi

Class In-Charge

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Head of the Department
Abids, Hyderabad.