6.5.2 TEACHING LEARNING PROCESS:

The teaching-learning process is one major objective and the strength of our college. . Experiential learning, participative learning, and problem-solving methodologies are well adopted to ensure the holistic development of students and facilitate life-long learning and knowledge management with Participative learning.

1. Students are encouraged and presently made mandatory to take (Massive Open Online Courses) MOOCs, NPTEL, Course Era offered by premier institutions of the country. They include online lectures, demonstrations and interaction through Skype sessions.
2. Project works involving the latest technologies and uses of advanced software like Cloud Computing, Hardware with MATLAB, CAD/CAM, are encouraged.
3. Participation in professional societal activities of IEEE, ISTE, CSI, IETE etc. are currently mandatory.
4. Proficiency in soft and communication skills through lab sessions.
5 .CRT Training Classes and Company-specific training classes

Industry interaction and summer training:
1. Industrial / field visits, Practical training/internship at Industry and/or renowned institutions like TCS, Infosys, BSNL,CITD, Power Stations and Plants, HMT etc. are mandatory at present.

2. Industry projects and collaborations are undertaken to enrich students with pre-employment training.
3. Periodical Guest lectures on topics relevant to employment skills by personnel from respective organizations / industry.

Teachers Use ICT enabled tool for effective teaching-learning process. Today, it is essential for the students to learn and master the latest technologies in order to be corporate ready. As a consequence, teachers are combining technology with traditional mode of instruction to engage students in long term learning. College uses Information and Communication Technology (ICT) in education to support, enhance, and optimize the delivery of education.

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The following tools are used by the Institute-

ICT Tools:

1. Desktop and Laptops- Arranged at Computer Lab and Faculty cabins all over the campus.
2. Printers- They are installed at Labs, HOD Cabins and all prominent places.
3. Photocopier machines - Multifunction printers are available at all prominent places in the institute. There are four photostat machines available .
4. Smart Board- One smart board is installed in the campus.
5. Auditorium- It is digitally equipped with mike, projector, cameras and computer system.
6. Online Classes through Zoom, Google Meet, Microsoft Team, Google Classroom)
7. MOOC Platform (NPTEL, Coursera, SAP, Udemy, Edx etc)
8. Digital Library resources (DEL NET, MYLOFT etc)

.

Number of teachers using ICT (LMS, eResources)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
150	380	30	10	300

Experiential learning

1.Students are encouraged to take up innovative projects and mini or Major projects.

2. Organization of exhibitions and open houses projecting senior students' achievements on regular basis are a source of motivation for younger students of the college.

3. Our Institution innovative methods adopted are described in the following department wise for effective teaching-learning process

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ELECTRICAL & ELECTRONICS ENGINEERING

NAME OF THE FACULTY	TOPIC	SUBJECT	INNOVATIVE METHODS ADOPTED
Dr.ANBALAGAN KAMAL	Electrical Distribution Systems	Electrical Distribution Systems	Mind Map
Dr KRANTI KUMAR THALLAPALLI	Converters for different Drives	Power Semi Conductor Drives	Mind Map
Dr SRIKANTH.B	Transmission System	Power systems -II	Mind Map
Dr MANDADI SURENDER REDDY	Application of EMF Laws	Laws Electro Magnetic Fields	Mind Map
Dr KANNAN GANAPATHI	Design of P,PI	PID Controllers Control Systems	Mind Map
SATISH KUMAR MATALA	Faradays laws & Transformers	Basic Electrical Engineering	Demonstration Model
CHANDRASEKHAR KOMATI	2D,3D Models	Electro Magnetic Fields	Demonstration Model
SHANKAR MALOTHU	Converters for DC &AC Applications	Power Electronics	Mind Map
VANAPARTHI SATYAVARDHAN	DC & AC machine Models	Basic Electrical Engineering	Demonstration Model
GUTTI OM SURAJ	Electrical Distribution Systems	Electrical Distribution Systems	Mind Map
GANESH UDARI	Faradays laws	Basic Electrical Engineering	Demonstration Model
SARASWATHI PALEM	Transformers	Basic Electrical Engineering	Demonstration Model
NAGESWARAO DUPATI	Generators	Electro Magnetic Fields	Demonstration Model
MADHAVI KAIROJU	Application of EMF Laws	Laws Electro Magnetic Fields	Mind Map
GUDIPALLY PAVAN KUMAR	Design of P,PI	PID Controllers Control Systems	Mind Map

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EARATI PRASANNA **MALELI RAGINI**	Faradays laws & Transformers	Basic Electrical Engineering	Demonstration Model Demonstration Model
S SRIKANTH REDDY	2D,3D Models	Electro Magnetic Fields	Demonstration Model

6.5.2 TEACHING LEARNING PROCESS
MECHANICAL ENGINEERING

NAME OF THE FACULTY	TOPIC	SUBJECT	INNOVATIVE METHODS ADOPTED
RAMESH YELURI	Thermal Engineering	Thermodynamic cycles	Creating Research groups and Clubs
VEDAPRAHLAD RELANGI	Finite Element Method	CST & LST Elements	Problem based Learning
BALU VANKUDOTH	Machine Tools	Machining Operations	Flipped Classroom
VUNDAKODE KRISHNA	Metallurgy & Material Science	Heat Treatment Processes	Fishbowl debate
VUTUKURI ANIL KUMAR	CAD/CAM	CNC machines	Collaborative Learning
OM GUTTI	Thermal engineering	Pulse detonation engine	Problem based learning
POOJITHA NANNURU	Power plant engineering	Nuclear power plant	Collaborative learning
SHIVA APPISETTI	CAD/CAM	Cad presentation on Robber space technologies	Creating research groups and clubs
UPPALA HARINI	Production technology	Resistance welding	Project based learning
CHANDRAIAH GONUGUNTLA	Power plant engineering	Nuclear power plant	Collaborative learning
VENKATESH MAHESWARAM	DMM-1	Shaft	fishbone technique
SWATHI ANNE	CAD/CAM	3D printing	Project based learning
KISHORE KUMAR KATTA	Design of Machine Members	IC Engine parts	Seminar by students for specific topic
Dr A SIVA KUMAR	CAD/CAM	Cad presentation on Robber space technologies	Creating research groups and clubs

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Dr G RAMA CHANDRA REDDY	CAD/CAM	Cad presentation on Robber space technologies	Creating research groups and clubs
SHANKAR ACHIN	Production technology	Resistance welding	Project based learning
SWATHI BAMANDLAPALLI	Power plant engineering	Nuclear power plant	Collaborative learning
SHARATH SIGATHI	DMM-1	Shaft	fishbone technique
TIRUPATHAIAH DEVALLA	CAD/CAM	3D printing	Project based learning
SRINIVAS KETHAVATH	Design of Machine Members	IC Engine parts	Seminar by students for specific topic
BADDUCHOWAN KORRA	Metallurgy & Material Science	Heat Treatment Processes	Fishbowl debate
HARINI UPPALA	Thermal Engineering	Thermodynamic cycles	Creating Research groups and Clubs
CHANDRAIAH GONUGUNTLA	Finite Element Method	CST & LST Elements	Problem based Learning
MAHESH BUHE	Machine Tools	Machining Operations	Flipped Classroom
CHITTIBABU BANOTHU	Metallurgy & Material Science	Heat Treatment Processes	Fishbowl debate
KISHOREKUMAR KATTA	CAD/CAM	CNC machines	Collaborative Learning
HARINAYAK VANKUDOTHU	Thermal engineering	Pulse detonation engine	Problem based learning
SRIVENI KORRA	Power plant engineering	Nuclear power plant	Collaborative learning

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6.5.2 TEACHING LEARNING PROCESS
ELECTRONICS & COMMUNICATIONS ENGINEERING

NAME OF THE FACULTY	TOPIC	SUBJECT	INNOVATIVE METHODS ADOPTED
SEELAM SAIDIREDDY	Classification and Characteristics of Embedded Systems	Fundamentals of Embedded Systems	Mind Map
ANURADHA KURNAPALLE	Classification and Characteristics of Embedded Systems	Fundamentals of Embedded Systems	Mind Map
Dr. KISHORE REDDY	History, Types and applications of Comm.	Principles of Communications	Mind Map
KOMMERA PEDDAOBELESU	History, Types and applications of Communications	Principles of Communications	Mind Map
VUTUKURI ANIL KUMAR	Electromagnetic waves Directions	EMTL	Demonstration Model
SHIRISHA KANISETTI	Micro controllers using washing machine	Introduction to Micro Controllers and applications	Mind Map
SRINIVAS GUNUGUNTLA	Applications Microcontrollers	Embedded system Design	Mind map
SHAILAJA KOKKULA	Antenna lobes	AWP	Mind map
LAVANYA ANKAM	Radar ranging	Radar Systems	Mind map
Dr G SAI KUMAR	Classification and Characteristics of Embedded Systems	Fundamentals of Embedded Systems	Mind Map
DANAPANA NEELAKANTESWARA	Applications Microcontrollers	Embedded system Design	Mind map
KETHAVATH RAMU	Antenna lobes	AWP	Mind map
YAMINI MACHARLA	History, Types and applications of Comm.	Principles of Communications	Mind Map
VENKATESWARLU CHATLA	History, Types and applications of Communications	Principles of Communications	Mind Map

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BALA RAMUDU KURVA	Electromagnetic waves Directions	EMTL	Demonstration Model
KUPPAM SRAVAN KUMAR REDDY	Micro controllers using washing machine	Introduction to Micro Controllers and applications	Mind Map
TEJAVATH RAMAKRISHNA	Applications Microcontrollers	Embedded system Design	Mind map
ORUGANTI MOUNIKA	Antenna lobes	AWP	Mind map
LAXMI RAYALA	Radar ranging	Radar Systems	Mind map
VINODKUMAR CHITTEM	Classification and Characteristics of Embedded Systems	Fundamentals of Embedded Systems	Mind Map
MAHENDRAKAR VINAY KUMAR	Classification and Characteristics of Embedded Systems	Fundamentals of Embedded Systems	Mind Map
PRIYANKA YATA	History, Types and applications of Comm.	Principles of Communications	Mind Map
TUPAKULA PADMAVATHI	History, Types and applications of Communications	Principles of Communications	Mind Map
VUKANTI SRAVANTHI	Electromagnetic waves Directions	EMTL	Demonstration Model
CHANDRA SHEKAR CHEPURI	Micro controllers using washing machine	Introduction to Micro Controllers and applications	Mind Map
ANUSHA ALUKA	Applications Microcontrollers	Embedded system Design	Mind map
NAGASWATHI VADDAPALLY	Antenna lobes	AWP	Mind map
SAIKRISHNA MALLEKEDI	Radar ranging	Radar Systems	Mind map
RAJKUMAR JARPULA	Antenna lobes	AWP	Mind map
VISHWASI BATTU	Radar ranging	Radar Systems	Mind map
MANIMADDE SUMAN	Classification and Characteristics of Embedded Systems	Fundamentals of Embedded Systems	Mind Map

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6.5.2 TEACHING LEARNING PROCESS
COMPUTER SCIENCE ENGINEERING

NAME OF THE FACULTY	TOPIC	SUBJECT	INNOVATIVE METHODS ADOPTED
Dr ABDUL AFROZ	K-means Algorithm	DWDM	Think-Pair-Share
Dr MANDALA PRASAD	Air Line Reservation System	DBMS	Case Based Learning
Dr K SURI BABU	File Allocation Methods	OS	Flipped Classroom
Dr J SRIDATTA VENKATA SASTRY	Big Data Failure	BDA	Case Based Learning
Dr T. LALITHA SAROJA	Data Transmission	CN	Role Play
Dr SHAKEERBASHA SHAIK	Object Construction, Inheritance-polymorphism	JP	Simulation IDE-BlueJ Game Based Learning
Dr HAMEEDA SHAIK	Phases of Compiler	CD	Role Play
Dr SHAHEBAZ AHMED KHAN	Map Reduce	DWDM	Project Based Learning
UDDAGIRI UMA	Dictionaries in Python	Python	Learning by Doing
SIRIKONDA VASANTHA	Analysis on Protocols	CN	Case Based Learning
SILIVERI RAJENDER	System Models: ATM MS	SE	Interactive Learning
PATWARI KRISHNARAO	All topics of Java	JAVA	YouTube playlist
ALLA SRAVANI	Quick Sort	DAA	Role Play
PANTHANGI. HAIMAVATHI	File Allocation Methods	OS	Flipped Classroom
DOTI NAGARAJU	Big Data Failure	BDA	Case Based Learning
THOUDOJU SHRAVAN KUMAR	Data Transmission	CN	Role Play
LAVUDYA SHIVASHANKAR	Object Construction, Inheritance-polymorphism	JP	Simulation IDE-BlueJ Game Based Learning
G.OSALA SUBHASHINI	Phases of Compiler	CD	Role Play
DEVATHA. NAGARAJ	Map Reduce	DWDM	Project Based Learning
NENAVATH CHINYA	Dictionaries in Python	Python	Learning by Doing
NANAVAT MANGAN	Analysis on Protocols	CN	Case Based Learning

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KONDARTHI LAVANYA	System Models: ATM MS	SE	Interactive Learning
SOUDA SRAVAN VARDHAN	All topics of Java	JAVA	YouTube playlist
NALLABOLU PAVANI	Quick Sort	DAA	Role Play
SALLA RAGHU	Big Data Failure	BDA	Case Based Learning
PALADUGU NARESH KUMAR	Data Transmission	CN	Role Play
KANCHANAPALLI SWATHI	Object Construction, Inheritance-polymorphism	JP	Simulation IDE-BlueJ Game Based Learning
CHITHALURI SAIDULU	Phases of Compiler	CD	Role Play
GOPAGONI SHIVA KRISHNA	Map Reduce	DWDM	Project Based Learning
BANDA JAINABBI	Dictionaries in Python	Python	Learning by Doing
KALLUBHAVI OBULESH	Analysis on Protocols	CN	Case Based Learning
MEKA SHIREESHA	System Models: ATM MS	SE	Interactive Learning
KOMATI SRINIVAS	All topics of Java	JAVA	YouTube playlist
PANTHANGI. HAIMAVATHI	Quick Sort	DAA	Role Play

6.5.2 TEACHING LEARNING PROCESS
HUMANITIES AND SCIENCE

NAME OF THE FACULTY	TOPIC	SUBJECT	INNOVATIVE METHODS ADOPTED
Dr KOTTE SHAILAJA	Tenses(Grammar)	English	Flipped Classroom
Dr KOLICHALAM NAGAPRASAD	LSRWVG skills	English	Mobile Assisted Language Learning
SATHYANARAYANA CHARY	Prose / Grammar	English	Flicker Cards
DANDANAYAKULA SREELATHA	Matrices	M-I	Flipped Classroom
PITTALA VENKATASWAMY	Phonetics, Intonation , Prose	ELS Lab	Flipped Classroom
ADEEBUNISSA BEGUM	Vocabulary Building	English	Think-Pair-Share
SHYLAJA PATHI	Prose, Grammar	English	Jigsaw
RAVI ESLAVATH	Tenses(Grammar)	English	Flipped Class room
ANILKUMAR BALAKAVI	Tenses(Grammar)	English	Flipped Classroom
SRILAKSHMI DAMERLA	LSRWVG skills	English	Mobile Assisted Language Learning

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SESHA GIRI RAO KALLURI	Prose / Grammar	English	Flicker Cards
SWAPNA KETHUPALLI			
SHRADHA DAYMA	Prose / Grammar	English	Flicker Cards
PAVAN KUMAR MARLA	Matrices	M-I	Flipped Classroom
ANTHONY MADANU	Phonetics, Intonation , Prose	ELS Lab	Flipped Classroom
RAMESH NARIGE	Vocabulary Building	English	Think-Pair-Share
M RADHA	Prose, Grammar	English	Jigsaw
BALAJI BADAVATH	Tenses(Grammar)	English	Flipped Class room
SUNDEEP PALLY	Prose / Grammar	English	Flicker Cards
SREEDEVIKATIKA REDDY	Matrices	M-I	Flipped Classroom

6.5.2 TEACHING LEARNING PROCESS

MBA

NAME OF THE FACULTY	TOPIC	SUBJECT	INNOVATIVE METHODS ADOPTED
Dr RAMULU BHUKYA	FINAL ACCOUNTS	FINANCIAL ACCOUNTANCY& ANALYSIS	Flipped Classroom
Dr M SRI KUMAR SRI SIVA VALLY	CAPITAL BUDJETING	FINANCIAL MANAGEMENT	Mobile Assisted Language Learning
Dr. BAJJIS NAYEEMA	PROCESS COSTING	SMA	Flicker Cards
Dr. J S V GOPALA SHARMA	ELASTICITY OF DEMAND	BUISNESS ECONOMICS	Flipped Classroom
Dr. RAMANAREDDY NARU	CHANNEL MANAGEMENT	RETAIL MANAGEMENT	Flipped Classroom
Ms JAYAPRADHA DUGGIRALA	STRATEGIC PLANNING MODELS	STRATEGIC MANAGEMENT	Think-Pair-Share
NARU SRILATHA	TRAINING &DEVELOPMENT	HUMAN RESOURCE MANAGEMENT	Jigsaw
ASHRAF HUSSAIN	RESUME WRITING	BUSINESS COMMUNICATION	Flipped Class room
VENKATESH ORUGANTI	FINAL ACCOUNTS	FINANCIAL ACCOUNTANCY& ANALYSIS	Flipped Classroom
SILIVERU RAMBABU	CAPITAL BUDJETING	FINANCIAL MANAGEMENT	Mobile Assisted Language Learning
NARESH AELKARAJU	PROCESS COSTING	SMA	Flicker Cards
SABITHA KASHAVENNALOLU	ELASTICITY OF DEMAND	BUISNESS ECONOMICS	Flipped Classroom

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ANTHATI. RAMESH GOUD	CHANNEL MANAGEMENT	RETAIL MANAGEMENT	Flipped Classroom
YESUMANI GURRALA	STRATEGIC PLANNING MODELS	STRATEGIC MANAGEMENT	Think-Pair-Share
JILLELA HYMAVATHI	TRAINING &DEVELOPMENT	HUMAN RESOURCE MANAGEMENT	Jigsaw
RAJPUROHIT SIRISHA	RESUME WRITING	BUSINESS COMMUNICATION	Flipped Class room
ANTHATI. KALYAN	FINAL ACCOUNTS	FINANCIAL ACCOUNTANCY& ANALYSIS	Flipped Classroom
ANTHATI KRANTHI KUMAR	CAPITAL BUDJETING	FINANCIAL MANAGEMENT	Mobile Assisted Language Learning
MORRI SHARADHA	PROCESS COSTING	SMA	Flicker Cards
GUDIPATI LINGAIAH	ELASTICITY OF DEMAND	BUISNESS ECONOMICS	Flipped Classroom
KORNI MANGAMMA	CHANNEL MANAGEMENT	RETAIL MANAGEMENT	Flipped Classroom
N. V. V. NARAYANA REDDY	STRATEGIC PLANNING MODELS	STRATEGIC MANAGEMENT	Think-Pair-Share
S SANDHYA	TRAINING &DEVELOPMENT	HUMAN RESOURCE MANAGEMENT	Jigsaw
RAMESH SAFARE	RESUME WRITING	BUSINESS COMMUNICATION	Flipped Class room
NARESH MANKALA	CAPITAL BUDJETING	FINANCIAL MANAGEMENT	Mobile Assisted Language Learning

The institution assesses the learning levels of the students and organizes Special Programmes for Advance and Slow Learners as part of Teaching learning

YEAR/SEM	DETP	SLOW LEARNER	ADVANCE LEARNER
II-I SEM	CSE	75	110
III-I SEM		42	75
IV-I SEM		15	56
II-I SEM	EEE	26	36
III-I SEM		28	34

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IV-I SEM		14	30
II-I SEM	ECE	51	70
III-I SEM		50	68
IV-I SEM		29	66
II-I SEM	MECH	8	25
III-I SEM		15	42
IV-I SEM		14	43
I-I SEM	MBA	82	74
II-I SEM		28	39
YEAR/SEM	**DETP**	**SLOW LEARNER**	**ADVANCE LEARNER**
II-II SEM	CSE	62	123
III-II SEM		35	82
IV-II SEM		10	61
II-II SEM	EEE	23	39
III-II SEM		20	42
IV-II SEM		10	34
II-II SEM	ECE	39	82
III-II SEM		42	76
IV-II SEM		18	77
II-II SEM	MECH	7	26
III-II SEM		15	42
IV-II SEM		12	45
I-II SEM	MBA	61	95
II-II SEM		26	41

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