



JAIDEV EDUCATION SOCIETY'S  
J D COLLEGE OF ENGINEERING AND MANAGEMENT  
KATOL ROAD, NAGPUR

Website: www.jdcoem.ac.in E-mail: info@jdcoem.ac.in  
An Autonomous Institute, with NAAC "A" Grade  
Affiliated to DBATU, RTMNU & MSBTE, Mumbai  
Department of Civil Engineering  
"Building Better Development"  
Session 2022-23



1.1.1

B.Tech. Electrical Engineering		
Program Specific Outcomes		
PSO	Statement	Relevance to Development Need
PSO1	Represent and relate the basic engineering knowledge with proficiency in competent problem-solving ability through analysis, investigation and design of diverse area of civil engineering.	Local, Regional, National
PSO2	Inculcate the professionalism in communication with application of modern civil engineering tools along with ethical and societal responsibilities to have a successful career.	Local, Regional, National
PSO3	Assemble the concept of civil engineering for higher education, research or entrepreneurship and also evaluates the information for maintaining the specifications in quality work.	Local,Regional.National,Global

Course Category	Sample Relevant Courses
Relevance to the Local Needs	Innovation and Entrepreneurship Development, Life Science, Consumer Affairs
Relevance to the Regional Needs	Energy Science and Engineering, Mini Project & Seminar, Project-2, Internship, Hydrology & Water Resource Engineering
Relevance to the National Needs	Mechanics of Rigid bodies, Building Drawing and Drafting, Concrete Technology & Design of RCC Building Elements, Professional Practice, Law & Ethics, Engineering Economics, Estimating and Costing
Relevance to the Global Needs	Universal Human Values, Engineering Mathematics-III, Civil Engineering - Societal & Global Impact, Campus Recruitment Training (CRT), Skill Development, Research Methodology, Solid Mechanics

**Principal**  
J D College of Engineering & Management  
Khandala, Katol Road  
Nagpur-441501

**H.O.D.**  
Department of Civil Engineering  
J.D.C.O.E.M., Nagpur



Education to Eternity

**JAIDEV EDUCATION SOCIETY'S  
J D COLLEGE OF ENGINEERING AND MANAGEMENT  
KATOL ROAD, NAGPUR**

Website: [www.jdcoem.ac.in](http://www.jdcoem.ac.in) E-mail: [info@jdcoem.ac.in](mailto:info@jdcoem.ac.in)

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Department of Civil Engineering  
"Building Better Development"  
Session 2022-23**



॥ ज्ञानम् सर्वार्थ साधनम् ॥

**VISION**

To be a well-known center for shaping professional leaders of Global Standards in Civil Engineering

**MISSION**

Provide quality education and excellent learning Environment for overall development of students.  
Making Sustainable efforts for integrating academics with Industry.

**Teaching Scheme**

Branch: Civil Engineering

Branch Code: CE

**III Semester**

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/Ext. Pra.	Total	
1	HSMC	CE3T001	Civil Engineering - Societal & Global Impact	2	0	0	20	20	60	100	2
2	BSC	CE3T002	Engineering Mathematics-III	2	1	0	20	20	60	100	3
3	ESC	CE3T003	Building Drawing and Drafting	2	1	0	20	20	60	100	3
4	ESC	CE3T004	Mechanics of Rigid bodies	2	1	0	20	20	60	100	3
5	ESC	CE3T005	Energy Science and Engineering	3	0	0	20	20	60	100	3
6	PCC	CE3T006	Basic Geology and Geotechnical Engineering	3	0	0	20	20	60	100	3
7	MC	CE3T007	Universal Human Values	3	0	0	20	20	60	100	3
8	ESC	CE3L001	Building Drawing and Drafting Lab	0	0	4	60	0	40	100	2
9	ESC	CE3L002	Mechanics of Rigid Bodies Lab	0	0	2	60	0	40	100	1
10	PCC	CE3L003	Basic Geology and Geotechnical Engineering Lab	0	0	2	60	0	40	100	1
11	PROJECT	CE3F004	Field Visit I	0	0	0	0	0	50	50	1
				17	3	8					25




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Nagpur-441301

### IV Semester

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/Ext. Pra.	Total	
1	BSC	CE4T001	Life Science	2	0	0	20	20	60	100	2
2	PCC	CE4T002	Hydrology & Water Resource Engineering	2	1	0	20	20	60	100	3
3	PCC	CE4T003	Concrete Technology & Design of RCC Building Elements	2	1	0	20	20	60	100	3
4	PCC	CE4T004	Solid Mechanics	2	1	0	20	20	60	100	3
5	PCC	CE4T005	Surveying and Geomatics	2	0	0	20	20	60	100	2
6	PCC	CE4T006	Materials, Testing & Evaluation	2	0	0	20	20	60	100	2
7	PCC	CE4L001	Concrete Technology & Design of RCC Building Elements Lab	0	0	2	60	0	40	100	1
8	PCC	CE4L002	Solid Mechanics Lab	0	0	2	60	0	40	100	1
9	PCC	CE4L003	Surveying and Geomatics Lab	0	0	4	60	0	40	100	2
10	PROJECT	CE4F004	Field Visit	0	0	0	0	0	50	50	1
11	MC	CE4T007	Innovation and Entrepreneurship Development	2	0	0	10	15	25	50	AU
				<b>14</b>	<b>3</b>	<b>8</b>					<b>20</b>




  
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## V Semester

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/Ext. Pra.	Total	
1	HSMC	CE5T001	Professional Practice, Law & Ethics	2	0	0	20	20	60	100	2
2	PCC	CE5T002	Fluid Mechanics	2	1	0	20	20	60	100	3
3	PCC	CE5T003	Structural Analysis	2	1	0	20	20	60	100	3
4	PCC	CE5T004	Transportation Engineering	3	0	0	20	20	60	100	3
5	OEC	CEOEC1	Open Elective-I	4	0	0	20	20	60	100	4
6	PCC	CE5L001	Fluid Mechanics Lab	0	0	2	60	0	40	100	1
7	PCC	CE5L002	Structural Analysis Lab	0	0	2	60	0	40	100	1
8	PCC	CE5L003	Transportation Engineering Lab	0	0	2	60	0	40	100	1
9	PROJECT	CE5P004	Mini Project & Seminar	0	0	2	60	0	40	100	1
10	PROJECT	CE5F005	Field Visit III	0	0	0	60	0	40	100	1
11	MC	CE5T005	Consumer Affair	2	0	0	20	20	60	100	3
				15	2	8					23



  
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VI Semester											
Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/Ext. Pra.	Total	
1	PCC	CE6T001	Design of Steel Structures	2	1	0	20	20	60	100	3
2	PCC	CE6T002	Environmental Engineering	3	0	0	20	20	60	100	3
3	PEC	CE5TE01	Professional Elective I	3	0	0	20	20	60	100	3
4	PEC	CE6TE02	Professional Elective-II	3	0	0	20	20	60	100	3
5	OEC	CEOEC2	Open Elective-II	4	0	0	20	20	60	100	4
6	PCC	CE6L001	Design of Steel Structures Lab	0	0	2	60	0	40	100	1
7	PCC	CE6L002	Environmental Engineering Lab	0	0	2	60	0	40	100	1
8	PROJECT	CE6P003	Mini Project & Seminar	0	0	2	30	0	20	50	1
9		CE6P004	Campus Recruitment Training (CRT)	0	0	2	50	0	0	50	1
		CE6P005	Skill Development	0	0	2	15	0	35	50	1
10	MC	CE6T004	Research Methodology	2	0	0	10	15	25	50	AU
				17	1	10					21



  
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VII Semester											
Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/Ext. Pra.	Total	
1	PCC	CE7T001	Engineering Economics, Estimating and Costing	3	0	0	20	20	60	100	3
2	PEC	CE7TE01	Professional Elective III	2	1	0	20	20	60	100	3
3	PEC	CE7TE02	Professional Elective IV	2	1	0	20	20	60	100	3
4	PEC	CE7TE03	Professional Elective V	3	0	-	20	20	60	100	3
5	OEC	CEOEC3	Open Elective-III	4	0	0	20	20	60	100	4
6	PCC	CE7L001	Engineering Economics, Estimation and Costing Lab	0	0	2	60	0	40	100	1
7	PROJECT	CE7P002	Project-1	0	0	6	75	0	75	150	5
8	MC	CE7T002	IPR (Intellectual Property Rights)	2	0	0	10	15	25	50	AU
				<b>16</b>	<b>2</b>	<b>8</b>					<b>22</b>


**NOTE: Introduction of VII & VIII Scheme in session 2022-23**




  
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VIII Semester											
Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/Ext. Pra.	Total	
1	PEC	CE8TE01	Professional Elective VI	3	0	-	20	20	60	100	3
2	OEC	CEOEC4	Open Elective-IV	4	0	-	20	20	60	100	4
3	PROJECT	CE8P001	Project-2	0	0	4	50	0	50	100	3
OR											
4	PROJECT	CE8P002	Internship (Full Semester)	0	0	0	225	-	75	300	10
				7	0	4					10



  
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 Nagpur-441501

  
**BoS, Chairman,**  
**Civil Engineering,**  
**JDCOEM, Nagpur**



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 (An Autonomous Institute, with NAAC "A" Grade)  
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 Department of Electrical Engineering  
 "Igniting minds to illuminate the world"



AY-2022-23

VISION	MISSION
<p>"To develop competent and committed Electrical Engineers to serve the society"</p>	<ol style="list-style-type: none"> <li>1. To impart quality education in the field of Electrical Engineering.</li> <li>2. To be excellent learning center through research and industry interaction.</li> </ol>

### 1.1.1

<b>B. Tech. Electrical Engineering</b>		
<b>Program Specific Outcomes</b>		
PSO	Statement	Relevance to Development Need (Select Suitable)
PSO1	Interpret, identify and analyze problems in electrical domain and demonstrate this knowledge to develop, control and assess electrical systems.	Local,Regional
PSO2	Solve ethically and professionally various Electrical Engineering problems in societal and environmental context and communicate effectively.	Local,Regional.National
PSO3	Apply modern software tools for design, simulation and analysis of electrical systems to engage in life-long learning and to successfully adapt in multi disciplinary environments	Local,Regional.National,Global

Course Category	Sample Relevant Courses
Relevance to the Local Needs	Consumer Affairs, Engineering Economics, Electrical Machine I, Universal Human Values
Relevance to the Regional Needs	Engineering Economics, Electrical Machine I, Innovation and entrepreneurship Development, Consumer Affairs, Power Systems, Power Station Practice
Relevance to the National Needs	Engineering Economics, Electrical Machine I, Power station Practice, Innovation and entrepreneurship Development, Intellectual Property Rights, Consumer Affairs, Power Systems,



Relevance to the Global Needs	Universal Human Values –II, Electrical Machine I, Control System I, Power Systems
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**HoD(EE)**

HOD  
Dept. of Electrical Engineering  
J.D. College of Engineering  
& Management, Nagpur

**Principal**  
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Khandala, Katol Road  
Nagpur-441501





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Department of Information Technology  
"Progress Beyond Excellence"  
2022-23




**PSO Relevance to Development Need (B.Tech)**

PSO	Statement	Relevance to Development Need
PSO1	The ability to understand, analyse and develop computer programs in the areas related to algorithms, system software, multimedia, web design, big data analytics, and networking for efficient design of computer-based systems of varying complexity	Local/ Regional/ National/ Global
PSO2	The ability to apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality product for business success.	Local/ Regional/ National/ Global
PSO3	The ability of employ modern computer languages, environments, and platforms in creating innovative career paths to be an entrepreneur, lifelong learning & a zest for higher studies and also acts as good citizen by inculcating in them moral values & ethics.	Local/ Regional/ National/ Global

Course Category	Sample Relevant Courses
Relevance to the Local Needs	CRT(Campus Recruitment Training), Skill Development, Intellectual Property Rights, Computer Network
Relevance to the Regional Needs	Digital Electronics and Microprocessor, , Internet Of Things., Computer Network
Relevance to the National Needs	Organization Behaviour, Universal Human Values, Consumer Affairs, Ethics in IT, CRT(Campus Recruitment Training), Skill Development, Intellectual Property Rights, Innovation and Entrepreneurship Development
Relevance to the Global Needs	Programming for Problem Solving, Digital Electronics and Microprocessor, Data structure & Algorithms, Operating System, Computer Architecture Organization, Java Programming, FLAT, Computer Network, Database Management Systems, Discrete Mathematics & Graph Structures Internet Of Things, TCP/IP, Design and Analysis of Algorithm, OSOS (Open Source Operating System), Augmented Reality(ELective 1), Block Chain(ELective 1), Artificial Intelligence & Robotics, Neural Networks and Machine Learning, Cloud Computing, universal Human Computing, computer forensic, Deep Learning, Software Engineering, Data Science, Big Data Analytic Technique, Digital Image Processing, Natural Language Processsing, AI In Wireless Communication, Research Methodology, Full Stack Development, Advanced Database System, Ethical Hacking, Innovation and Entrepreneurship Development, AVR. Data science, middleware technology. Deep Learning, Software Engineering, Technique, Digital Image Processing, Natural Language Processing, AI In Wireless Communication, Research Methodology, Full Stack Development, Advanced Database System, Ethical Hacking, Innovation and Entrepreneurship Development, AVR. Data science, middleware technology. Data Science, Big Data Analytic



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Khandala, Katol Road  
Nagpur-441501

  
HOD, IT,  
JDCEM

**HOD**  
Information Technolo,  
JDCEM. Nagpu





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Department of CSE

"A Place to Learn ; A Chance to Grow"

Session 2022-23



VISION	MISSION
To be a recognized as an Excellent Innovative Engineering Department through Academic Programme which develops leaders in Education and Research in Computer Science."	<ol style="list-style-type: none"><li>1. To create self-learning environment by facilitating leadership qualities, team-spirit and ethical responsibilities.</li><li>2. To Strengthen department-industry collaboration and interaction with professional society through technical knowledge and internship program.</li><li>3. To promote research and development with current techniques through well qualified resources in the area of computer science and wireless engineering.</li></ol>


**PSO Relevance to Development Need (M.Tech)**

PSO	Statement	Relevance to Development Need (Select Suitable)
PSO1	Understand the basic engineering principles and achieve the hardware and software aspects of computer engineering.	Local/ Regional/ National/ Global
PSO2	Analyse the real world applications using algorithmic models and acquire the knowledge of computer architecture.	Local/ Regional/ National/ Global
PSO3	Ability to design and develop applications using various software tools.	Local/ Regional/ National/ Global

Course Category	Sample Relevant Courses
Relevance to the Local Needs	Computer Algorithm, Communication Skills, Object Oriented Systems.
Relevance to the Regional Needs	Communication Skills, Intrusion Detection System, High Performance Computing, Reinforcement Learning, Software Testing.
Relevance to the National Needs	Game Theory, Social Network Analysis, Communication Skills, Advanced Computer Networks, Software Architecture, Functional Programming, Pattern Recognition.
Relevance to the Global Needs	Computer Algorithm, Advanced Operating System, Advanced computer Network, Mobile Communication and Computing, Game Theory, Social Network Analysis, Intrusion Detection System, Artificial Intelligent and knowledge Reasoning, High Performance Computing, Communication Skills, Software Architecture, Algorithm for Big Data, Real Time System, Cryptography and Network Security, Machine Learning. Communication Skill, Software Lab I, Data Science, Project Management and Intellectual Property Rights, Virtual Reality, Introduction to Cognitive Sciences.

**Principal**  
JD College of Engineering & Management  
Khandala, Katol Road  
Nagpur-441501



  
HOD, CSE, JDCOEM  
HOD  
Computer Science & Engineering  
JDCOEM, Nagpur



JAIDEV EDUCATION SOCIETY'S  
**J D COLLEGE OF ENGINEERING AND MANAGEMENT**

KATOL ROAD, NAGPUR  
Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere  
Website: www.jdcoem.ac.in E-mail: info@jdcoem.ac.in



An Autonomous Institute, with NAAC "A" Grade  
**Department of Mechanical Engineering**  
Session 2022-23 (Even Sem)

VISION	MISSION
"To be a center of excellence for learning and research in mechanical Engineering"	<ol style="list-style-type: none"><li>1. To provide high quality, innovative and research environment in Mechanical Engineering.</li><li>2. Accomplish expectation of industry and society by nurturing the student to be competent professional with overall personal development.</li></ol>

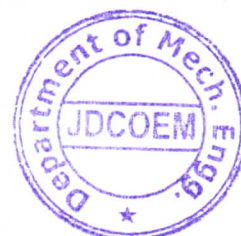
## B. Tech. Mechanical Engineering

### Program Specific Outcomes

PSO	Statement	Relevance to Development Need (Select Suitable)
PSO1	Graduates should excel in engineering positions in industry and other organizations that emphasize design and implementation of engineering systems and devices	Global
PSO2	Alumni should establish a successful career in an engineering-related field and adapt to changing technologies.	National / Global
PSO3	Graduates should be good citizens and cultured human beings, with full appreciation of the importance of professional, ethical and societal responsibilities.	Global

Course Category	Sample Relevant Courses
Relevance to the Local Needs	Communication Skills, Introduction to Computer programming, Industrial visit, Innovation and Entrepreneurship Development, Campus Recruitment Training, Research Methodology,
Relevance to the Regional Needs	Basic Electrical and Electronics Engineering, Product Design and Development, Consumer Affair, Skill Development, Intellectual property rights
Relevance to the National Needs	Basic Civil and Mechanical Engineering, Universal Human Value, Numerical Method, Basic Electronic Engineering,
Relevance to the Global Needs	Engineering Mathematics- I, Engineering Chemistry, Engineering Graphics, Engineering Mathematics- II, Engineering Physics, Energy and Environment Engineering, Applied Maths-III, Material Science, Engineering Thermodynamics, Theory Of Machines-I, Manufacturing Engineering-I, Manufacturing Engineering-II, Strength Of Materials, Fluid Mechanics & Fluid Machines, Heat Transfer, Theory Of Machines-II, Measurement and Quality Control, Operation Research, Applied Thermodynamics, Design of Machine Element,

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Head of Department

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**Department of Electronics and Telecommunication Engineering**

*"Rectifying Ideas, Amplifying Knowledge"*

Session: 2022-23



**VISION**

**MISSION**

"To be a Department providing high quality & globally competent knowledge of concurrent technologies in the field of Electronics and Telecommunication."

1. To provide quality teaching learning process through well-developed educational environment and dedicated faculties.
2. To produce competent technocrats of high standards satisfying the needs of all stakeholders.

1.1.1

**B. Tech. Electronics & Telecommunication Engineering**  
**Program Specific Outcomes**

PSO	Statement	Relevance to Development Need
PSO1	Ability to remember, understand and apply fundamental knowledge of core Electronics and Telecommunication Engineering subjects in the analysis, design, and development of various types of integrated electronic systems.	Local, Regional, National, Global
PSO2	Ability to use knowledge of core Electronics and Telecommunication Engineering in various domains to identify research gaps and hence to provide solution to new ideas and innovations.	Local, Regional, National, Global
PSO3	Ability to adapt the changing work environment, good interpersonal skills required to lead the team in appreciation of professional ethics and social responsibilities.	Local, Regional, National, Global

Course Category	Sample Relevant Courses
Relevance to the Local Needs	Network Synthesis & Analog Filters, Integrated Circuits & Applications, Innovation and Entrepreneurship Development, Universal Human Values, Microcontroller and Applications, Electromagnetic Fields, Electrical Machines and Instruments, Research Methodology, Intellectual Property Rights
Relevance to the Regional Needs	Integrated Circuits & Applications, Innovation and Entrepreneurship Development, Universal Human Values, Microcontroller and Applications, Electromagnetic Fields, Electrical Machines and Instruments, Research Methodology, Intellectual Property Rights
Relevance to the National Needs	Integrated Circuits & Applications, Innovation and Entrepreneurship Development, Universal Human Values, Electromagnetic Fields, Electrical Machines and Instruments, Research Methodology, Intellectual Property Rights
Relevance to the Global Needs	Integrated Circuits & Applications, Innovation and Entrepreneurship Development, Universal Human Values, Electromagnetic Fields, Research Methodology, Intellectual Property Rights

*[Signature]*  
 HOD, Dept. of ENTE

# J D COLLEGE OF ENGINEERING AND MANAGEMENT

KATOL ROAD, NAGPUR

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Website: [www.jdceem.ac.in](http://www.jdceem.ac.in) E-mail: [info@jdceem.ac.in](mailto:info@jdceem.ac.in)

## PG Department of Electronics Engineering

"Rectifying Ideas, Amplifying Knowledge"

Session: 2022-23

### VISION

### MISSION

"To be a Department providing high quality & globally competent knowledge of concurrent technologies in the field of Electronics and Telecommunication."

1. To provide quality teaching learning process through well-developed education environment and dedicated faculties.
2. To produce competent technocrats of high standards satisfying the needs of stakeholders.

I.1.1

## M. Tech. Electronics Engineering

### Program Specific Outcomes

PSO	Statement	Relevance to Development Need
PSO1	Ability to remember, understand and apply fundamental knowledge of core Electronics and Telecommunication Engineering subjects in the analysis, design, and development of various types of integrated electronic systems.	Local, Regional, National, Global
PSO2	Ability to use knowledge of core Electronics and Telecommunication Engineering in various domains to identify research gaps and hence to provide solution to new ideas and innovations.	Local, Regional, National, Global
PSO3	Ability to adapt the changing work environment, good interpersonal skills required to lead the team in appreciation of professional ethics and social responsibilities.	Local, Regional, National, Global

Course Category	Sample Relevant Courses
Relevance to the Local Needs	Computational Methods, Embedded System design, Research Methodology, Intellectual Property Rights
Relevance to the Regional Needs	Computational Methods, Embedded System design, Research Methodology, Intellectual Property Rights
Relevance to the National Needs	Embedded System design, Research Methodology, Intellectual Property Rights
Relevance to the Global Needs	Computational Methods Embedded System design, VLSI System Design, Research Methodology, Intellectual Property Rights



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**HOD**  
HOD, Dept. of EN/ETC  
J D College of Engineering  
& Management, Nagpur



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**Department of CSE**

*"A Place to Learn ; A Chance to Grow"*

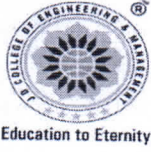
Session 2022-23

VISION	MISSION
<p>To be a recognized as an Excellent Innovative Engineering Department through Academic Programme which develops leaders in Education and Research in Computer Science."</p>	<ol style="list-style-type: none"> <li>To create self-learning environment by facilitating leadership qualities, team-spirit and ethical responsibilities.</li> <li>To Strengthen department-industry collaboration and interaction with professional society through technical knowledge and internship program.</li> <li>To promote research and development with current techniques through well qualified resources in the area of computer science and wireless engineering.</li> </ol>

### PSO Relevance to Development Need (B.Tech)

PSO	Statement	Relevance to Development Need
PSO1	The ability to understand, analyse and develop computer programs in the areas related to algorithms, system software, multimedia, web design, big data analytics, and networking for efficient design of computer-based systems of varying complexity	Local/ Regional/ National/ Global
PSO2	The ability to apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality product for business success.	Local/ Regional/ National/ Global
PSO3	The ability of employ modern computer languages, environments, and platforms in creating innovative career paths to be an entrepreneur, lifelong learning & a zest for higher studies and also acts as good citizen by inculcating in them moral values & ethics.	Local/ Regional/ National/ Global

Course Category	Sample Relevant Courses
Relevance to the Local Needs	CRT(Campus Recruitment Training), Skill Development, Intellectual Property Rights, Computer Network
Relevance to the Regional Needs	Digital Electronics and Microprocessor, , Internet Of Things., Computer Network
Relevance to the National Needs	Organization Behaviour, Universal Human Values, Consumer Affairs, Ethics in IT, CRT(Campus Recruitment Training), Skill Development, Intellectual Property Rights, Innovation and Entrepreneurship Development
Relevance to the Global Needs	Programming for Problem Solving, Digital Electronics and Microprocessor, Data structure & Algorithms, Operating System, Computer Architecture Organization, Java Programming, FLAT, Computer Network, Database Management Systems, Discrete Mathematics & Graph Structures Internet Of Things, TCP/IP, Design and Analysis of Algorithm, OSOS (Open Source Operating System), Augmented Reality(Elective 1), Block Chain(Elective 1), Artificial Intelligence & Robotics, Neural Networks and Machine Learning, Cloud Computing, Human Computing, Digital Forensic, Deep Learning, Software Engineering, Data Science, Big Data Analytic



JAIDEV EDUCATION SOCIETY'S  
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Affiliated to DBATU, RTMNU & MSBTE Mumbai



Department of CSE

"A Place to Learn ; A Chance to Grow"

Session 2022-23

VISION	MISSION
To be a recognized as an Excellent Innovative Engineering Department through Academic Programme which develops leaders in Education and Research in Computer Science."	<ol style="list-style-type: none"><li>1. To create self-learning environment by facilitating leadership qualities, team-spirit and ethical responsibilities.</li><li>2. To Strengthen department-industry collaboration and interaction with professional society through technical knowledge and internship program.</li><li>3. To promote research and development with current techniques through well qualified resources in the area of computer science and wireless engineering.</li></ol>

Technique, Digital Image Processing, Natural Language Processing, AI In Wireless Communication, Research Methodology, Full Stack Development, Advanced Database System, Ethical Hacking, Innovation and Entrepreneurship Development
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HOD, CSE, JD COEM

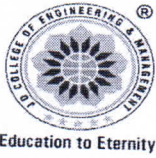
**HOD**

Computer Science & Engineering  
JD COEM, Nagpur



**Principal**  
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Department of AI  
"A Place to Learn; A Chance to Grow"  
Session 2022-23

VISION	MISSION
To be a recognized as an Excellent Innovative Engineering Department through Academic Programme which develops leaders in Education and Research in Computer Science."	<ol style="list-style-type: none"><li>1. To create self-learning environment by facilitating leadership qualities, team-spirit and ethical responsibilities.</li><li>2. To Strengthen department-industry collaboration and interaction with professional society through technical knowledge and internship program.</li><li>3. To promote research and development with current techniques through well qualified resources in the area of computer science and wireless engineering.</li></ol>

### PSO Relevance to Development Need

PSO	Statement	Relevance to Development Need (Select Suitable)
PSO1	Understand the basic engineering principles and achieve the hardware and software aspects of computer engineering.	Local/ Regional/ National/ Global
PSO2	Analyse the real world applications using algorithmic models and acquire the knowledge of computer architecture.	Local/ Regional/ National/ Global
PSO3	Ability to design and develop applications using various software tools.	Local/ Regional/ National/ Global

Course Category	Sample Relevant Courses
Relevance to the Local Needs	AI in Business Intelligence, Operating System & Virtualization.
Relevance to the Regional Needs	Internet of Things, Statistical Data Analysis, AI in Business Intelligence, AI & Cognitive Robotics, AI In satellite and Radar System,
Relevance to the National Needs	Universal Human Values, Consumer Affairs, Ethics in IT, Innovation and Entrepreneurship Development, CRT(Campus Recruitment Training), Skill Development, Intellectual Property Rights, Organization Behaviour.
Relevance to the Global Needs	AI in Business Intelligence, Mathematics-III, Statistical Data Analysis, Computer Architecture and Organisation, Digital Image Techniques and Analysis, Internet of Things, Theory of Computation, Object Oriented Methodology, Design & Analysis of Algorithm, AI In satellite and Radar System, Operating System & Virtualization, Neural Networks & Fuzzy System, Discrete Mathematics & Graph Structures, Database Management Systems, AI & Cognitive Robotics, Data Structure & Algorithms, Machine Learning & Deep Learning, Innovation and Entrepreneurship Development, Advanced Computer Vision, Data Science, MI with Big Data - Tools & Techniques, Machine Learning with Large data Sets.

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