



JEPPIAAR INSTITUTE OF TECHNOLOGY

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Vision and Mission



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VISION & MISSION OF THE INSTITUTION

VISION OF THE INSTITUTION

Jeppiaar Institute of Technology aspires to provide technical education in futuristic technologies with the perspective of innovative, industrial and social application for the betterment of humanity.

MISSION OF THE INSTITUTION

M1	To produce competent and disciplined high-quality professionals with the practical skills necessary to excel as innovative professionals and entrepreneurs for the benefit of the society.
M2	To improve the quality of education through excellence in teaching and learning, research, leadership and by promoting the principles of scientific analysis, and creative thinking.
M3	To provide excellent infrastructure, serene and stimulating environment that is most conducive to learning.
M4	To strive for productive partnership between the Industry and the Institute for research and development in the emerging fields and creating opportunities for employability.
M5	To serve the global community by instilling ethics, values and life skills among the students needed to enrich their lives.



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VISION & MISSION OF THE DEPARTMENT OF CSE

VISION OF THE DEPARTMENT

To impart futuristic technological education, innovation and collaborative research in the field of Computer Science and Engineering and to develop Quality Professionals for the improvement of the Society and Industry.

MISSION OF THE DEPARTMENT

M1	Develop the students as professionally competent and disciplined engineers for the benefit of the development of the country.
M2	Produce excellent infrastructure to adopt latest technologies, industry-institute interaction and encouraging research activities.
M3	Provide multidisciplinary technical skills to pursue research activities, higher studies, entrepreneurship and perpetual learning.
M4	Enrich students with professional integrity and ethical standards to handle social challenges successfully in their life.

Consistency of Department Vision with Institute Vision Statement

Institute Vision	Jeppiaar Institute of Technology aspires to provide technical education in futuristic technologies with the perspective of innovative , industrial , and social application for the betterment of humanity.
Department Vision	To impart futuristic technological education, innovation and collaborative research in the field of Computer Science and Engineering and to develop Quality Professionals for the improvement of the Society and industry .
	High

Table 1.1.1: Mapping of Institute vision with department Vision



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JUSTIFICATION

The above table shows the consistency of Vision of Institute with Vision of the Department. The reasons behind marking High, Medium and Low are as follows: Vision is divided into keywords and then correlation is checked with vision of institute. After taking the feedback from all the faculty members of the department if the consistency found is above 90%. (✓) is marked

Why High: If (✓) is marked in all blocks i.e. all the keywords of vision are found consistent with the vision of institute so it must be rated high.

Medium: If (✓) is marked in 50% or above blocks i.e. Vision is moderately consistent with the vision of the department

MAPPING OF INSTITUTE VISION KEYWORDS WITH DEPARTMENT VISION

Institute Vision	Jeppiaar Institute of Technology aspires to provide technical education in futuristic technologies with the perspective of innovative, industrial, and social application for the betterment of humanity.
Department Vision	
<u>Keywords</u>	
Futuristic	✓
Innovation	✓
Technological Education	✓
improvement of society	✓
Industry	✓

Table 1.1.2: Justification of mapping of Institute vision with department Vision



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MAPPING OF INSTITUTE MISSION WITH DEPARTMENT MISSION

Mission of Institute \ Mission of Department	M1	M2	M3	M4	M5
M1	High				
M2			High	Medium	
M3		High		High	
M4					High

Table 1.1.3: Mapping of Institute Mission with department Mission

JUSTIFICATION

- Providing good teaching and learning environment with innovative teaching methods and research that will help in creating professionally competent and disciplined engineers with multidisciplinary technical skills.
- Effective use of emerging technologies with a supportive infrastructure, students can acquire team work, ethics and Leadership qualities.
- Through creative innovations and critical thinking perpetual learning is achieved
- Enrich students with professional integrity and ethical standards that will make them deal social challenges successfully in their life.



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VISION & MISSION OF THE DEPARTMENT OF IT

VISION OF THE DEPARTMENT

The department will be an excellent centre to impart futuristic and innovative technological education to facilitate the evolution of problem-solving skills along with knowledge application in the field of Information Technology, understanding industrial and global requirements and societal needs for the benefit of humanity.

MISSION OF THE DEPARTMENT

M1	<ul style="list-style-type: none">Produce competent and high-quality professional computing graduates in software development considering global requirements and societal needs thereby maximizing employability.
M2	<ul style="list-style-type: none">Enhance evolution of professional skills and development of leadership traits among the students by providing favourable infrastructure and environment to grow into successful entrepreneurs.
M3	<ul style="list-style-type: none">Training in multidisciplinary skills needed by Industries, higher educational institutions research establishments and Entrepreneurship.
M4	<ul style="list-style-type: none">Impart Human Values and Ethical Responsibilities in professional activities



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CONSISTENCY OF INSTITUTE VISION WITH DEPARTMENT VISION

	<p>Jeppiaar Institute of Technology aspires to provide technical education in futuristic technologies with the perspective of innovative, industrial, and social application for the betterment of humanity.</p>
<p>The department will be an excellent centre to impart futuristic and innovative technological education to facilitate the evolution of problem-solving skills along with knowledge application in the field of Information Technology, understanding industrial and global requirements and societal needs for the benefit of humanity.</p>	<p style="text-align: center;">High</p>

Table 1.1.1: Mapping of Institute vision with department Vision

JUSTIFICATION:

The above table shows the consistency of Vision of institute with vision of the department. The reasons behind marking High, Medium and Low are as follows:

Vision is divided into keywords and then correlation is checked with vision of institute. After taking the feedback from all the faculty members of the department if the consistency found is above 90%. (✓) is marked
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MAPPING OF INSTITUTE VISION KEYWORDS WITH DEPARTMENT VISION

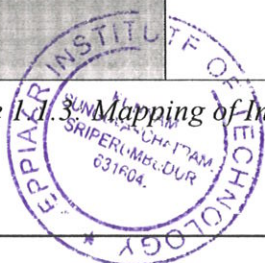
Institute Vision Department Vision	Jeppiaar Institute of Technology aspires to provide technical education in futuristic technologies with the perspective of innovative, industrial, and social application for the betterment of humanity.
Keywords	
Futuristic	✓
Innovative	✓
Technological Education	✓
Industrial	✓
Societal needs	✓
Humanity	✓

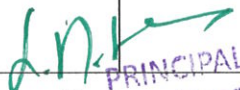
Table 1.1.2: Justification of mapping of Institute vision with department Vision

MAPPING OF INSTITUTE MISSION WITH DEPARTMENT MISSION

Mission of Institute Mission of Department	M1	M2	M3	M4	M5
M1	High				
M2		Medium	High		
M3		Medium		High	
M4					High

Table 1.1.3: Mapping of Institute Mission with department Mission




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JUSTIFICATION

- To impart quality education in the field of Information Technology to the students for making them a socially responsible person.
- Providing good teaching and learning environment with innovative teaching methods and research that will help in creating a strong foundation and supremacy in Technical Education.
- By providing good teaching and learning environment, our students can acquire Leadership qualities and teamwork.
- By providing research and developments students can acquire more knowledge and useful for their career
- By providing ethics, values and life skills for development of students which is useful for their career

MAPPING OF INSTITUTE MISSION KEYWORDS WITH DEPARTMENT MISSION

Institute Mission \ Department Mission	M1	M2	M3	M4	M5
Keywords					
High Quality Professionals	✓	✓			
Society	✓				
Infrastructure			✓		
Environment			✓		
Industry				✓	
Research & Development				✓	
Human Values					✓
Ethical Responsibilities					✓

Table 1.1.4: Mapping of Institute Mission with department Mission



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DEPARTMENT OF MANAGEMENT STUDIES

JUSTIFICATION OF DEPARTMENT VISION IN CORRELATION WITH INSTITUTION VISION

Vision of the Department	Vision of the Institution	Justification
To provide inclusive growth by imparting professional education to achieve a center of excellence by developing insightful managers through continuously adapting to the changing conditions and providing solutions to the corporate problems through research and development.	Jeppiaar Institute of Technology aspires to provide technical education in futuristic technologies with the perspective of innovative industrial and social applications for the betterment of humanity	The Department of Management Studies provides education with the perspective of innovative industrial and social applications by developing insightful ingenious and proactive leaders, entrepreneurs, and critical thinkers through continuous learning



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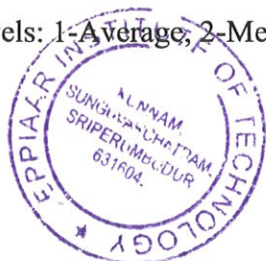


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DEPARTMENT MISSION IN CORRELATION WITH INSTITUTION MISSION

Mission of the Department	Mission Statements	Mission of the Institution		
		Institution Mission 1(IM1)	Institution Mission 2(IM2)	Institution Mission 3(IM3)
		To produce competent and disciplined high-quality professionals with the practical skills necessary to excel as innovative professionals and entrepreneurs for the benefit of society.	To improve the quality of education through excellence in teaching and learning, research, leadership, and by promoting the principles of scientific analysis, and creative thinking.	To strive for a productive partnership between the Industry and the Institute for research and development in the emerging fields and creating opportunities for employability.
Department Mission 1 (DM1)	To develop outstanding leaders by nurturing a value-based education with an extended perspective.	3	3	3
Department Mission 2 (DM2)	To promote lifelong learning through exposure to the corporate world by fostering ethical values and interpersonal abilities.	2	3	3
Department Mission 3(DM3)	To provide integrated technology and management theories to augment worldwide business.	2	3	3
Department Mission 4 (DM4)	To improve entrepreneurship and research efforts to advance business management knowledge.	3	3	3

Correlation Levels: 1-Average, 2-Medium, 3-Strong



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Department Mission	Institution Mission	Justification	
Department Mission 1 (DM1)	Institution Mission 1(IM1)	DM1 is highly correlated with IM1 to produce competent and disciplined high-quality professionals with the practical skills necessary to excel as innovative professionals and entrepreneurs for the benefit of society by nurturing a value-based education	The department encourages fostering a value-based education, together generating competent, disciplined, high-quality professionals with the practical skills needed to flourish as innovative professionals and entrepreneurs for the benefit of society.
	Institution Mission 2(IM2)	DM1 is highly correlated with IM2 to improve the quality of education through excellence in teaching and learning, research, and leadership, and by promoting the principles of scientific analysis, and creative thinking to develop outstanding leaders.	The department encourages improving educational quality through superior teaching and learning, research, and leadership, as well as by fostering the values of scientific analysis and original thought to produce excellent leaders.
	Institution Mission 3(IM3)	DM1 is highly correlated with IM3 to strive for a productive partnership between the Industry and the Institute for research and development in the emerging fields and creating opportunities for employability with an extended perspective.	The department encourages the pursuit of fruitful cooperation between the Institute and the Industry for research and development in the burgeoning domains and generates chances for employability with a broad viewpoint.
Department Mission 2 (DM2)	Institution Mission 1(IM1)	DM2 is highly correlated with IM1 to produce competent and disciplined high-quality professionals with the practical skills necessary to excel as innovative professionals and entrepreneurs for the benefit of society to promote lifelong learning through exposure to the corporate world by fostering ethical values and interpersonal abilities.	The department encourages to the creation of highly skilled employees who are capable and disciplined and who possess the practical knowledge needed to succeed as creative professionals and entrepreneurs for the good of society. To encourage lifelong learning through exposure to the corporate world by fostering moral principles and interpersonal skills.



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	Institution Mission 2(IM2)	DM2 is highly correlated with IM2 to improve the quality of education through excellence in teaching and learning, research, and leadership, by promoting the principles of scientific analysis, creative thinking and promoting by fostering ethical values and interpersonal abilities.	The department encourages the promotion of the concepts of scientific analysis, creative thinking, and through building ethical values and interpersonal skills; and the improvement of education via excellence in teaching and learning, research,
	Institution Mission 3(IM3)	DM2 is highly correlated with IM3 to strive for a productive partnership between the Industry and the Institute for research and development in the emerging fields and creating opportunities for employability and promoting lifelong learning through exposure to the corporate world by fostering ethical values and interpersonal abilities.	The department encourages work toward a fruitful partnership between the industry and the institute for research and development in the cutting-edge fields, as well as to open up employment opportunities, encourage lifelong learning through exposure to the business world, and do all of this while promoting moral principles and strong interpersonal skills.
Department Mission 3(DM3)	Institution Mission 1(IM1)	DM3 is highly correlated with IM1 to produce competent and disciplined high-quality professionals with the practical skills necessary to excel as innovative professionals and entrepreneurs for the benefit of society.	The department encourages the creation of highly capable, disciplined individuals who possess the practical abilities to succeed as creative professionals and business owners for the good of society.
	Institution Mission 2(IM2)	DM3 is highly correlated with IM2 to improve the quality of education through excellence in teaching and learning, research, and leadership, and by promoting the principles of scientific analysis, and creative thinking.	The department encourages raising the standard of education through leadership, research, and excellent teaching and learning, as well as by fostering the values of critical thinking and scientific analysis.



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	Institution Mission 3(IM3)	DM3 is highly correlated with IM3 to strive for a productive partnership between the Industry and the Institute for research and development in the emerging fields.	The department encourages to work for effective collaboration between the Institute and Industry for research and development in the burgeoning domains.
Department Mission 4 (DM4)	Institution Mission 1(IM1)	DM4 is highly correlated with IM1 to produce competent and disciplined high-quality professionals with the practical skills necessary to excel as innovative professionals and entrepreneurs for the benefit of society.	The department encourages the creation of highly capable, disciplined individuals who possess the practical abilities to succeed as creative professionals and business owners for the good of society.
	Institution Mission 2(IM2)	DM4 is highly correlated with IM2 to improve the quality of education through excellence in teaching and learning, research, and leadership, and by promoting the principles of scientific analysis, and creative thinking.	The department encourages raising the standard of education by fostering the values of critical thinking and scientific analysis, as well as by fostering excellence in teaching, learning, research, and leadership.
	Institution Mission 3(IM3)	DM4 is highly correlated with IM3 to strive for a productive partnership between the Industry and the Institute for research and development in the emerging fields and creating opportunities for employability.	The department encourages work toward an effective relationship between the Institute and Industry for research and development in the burgeoning disciplines and creating employment opportunities.



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VISION & MISSION OF THE DEPARTMENT OF ECE

VISION OF THE DEPARTMENT

The department will be an excellent centre to impart futuristic and innovative technological education and research in Electronics and Communication Engineering with **application Skills to meet industrial expectation and Societal needs with ethical and global awareness for the advancement of humanity.**

MISSION OF THE DEPARTMENT

M1	<ul style="list-style-type: none">Produce competent and high-quality professional Engineers in the field of Electronics and Communication Engineering for the benefit of the society globally.
M2	<ul style="list-style-type: none">Provide a conducive infrastructure and environment for faculty and students with state-of-the-art laboratories, to create high quality professionals.
M3	<ul style="list-style-type: none">Training in multidisciplinary skills needed by Industries, higher education institutions, research establishments and entrepreneurship.
M4	<ul style="list-style-type: none">Imparting Human Values and Ethical Responsibilities to handle SocioEconomic Challenges of Society.



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CONSISTENCY OF INSTITUTE VISION WITH DEPARTMENT VISION

<p style="text-align: center;">Institute Vision</p> <p style="text-align: center;">Department Vision</p>	<p>Jeppiaar Institute of Technology aspires to provide technical education in futuristic technologies with the perspective of innovative, industrial, and social application for the betterment of humanity.</p>
<p>The department will be an excellent center to impart futuristic and innovative technological education and research in Electronics and Communication Engineering with application Skills to meet industrial expectation and Societal needs with ethical and global awareness for the advancement of humanity.</p>	<p style="text-align: center;">High</p>

Table 1.1.1: Mapping of Institute vision with department Vision

JUSTIFICATION:

The above table shows the consistency of Vision of institute with vision of the department. The reasons behind marking High, Medium and Low are as follows:

Vision is divided into keywords and then correlation is checked with vision of institute. After taking the feedback from all the faculty members of the department if the consistency found is above 90%. (✓) is marked

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Medium: If (✓) is marked in 50% or above blocks i.e. Vision is moderately consistent with the vision of the department.



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MAPPING OF INSTITUTE VISION KEYWORDS WITH DEPARTMENT VISION

Institute Vision Department Vision	<p>Jeppiaar Institute of Technology aspires to provide technical education in futuristic technologies with the perspective of innovative, industrial, and social application for the betterment of humanity.</p>
<u>Keywords</u>	
Futuristic	✓
Innovative	✓
Technological Education	✓
Industrial	✓
Societal needs	✓
Humanity	✓

Table 1.1.2: Justification of mapping of Institute vision with department Vision




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MAPPING OF INSTITUTE MISSION WITH DEPARTMENT MISSION

Mission of Institute \ Mission of Department	M1	M2	M3	M4	M5
M1	High				
M2		Medium	High		
M3		Medium		High	
M4					High

Table 1.13: Mapping of Institute Mission with department Mission



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JUSTIFICATION

- To impart quality education in the field of electronics and communication engineering to the students for making them a socially responsible person.
- Providing good teaching and learning environment with innovative teaching methods and research that will help in creating a strong foundation and supremacy in Technical Education.
- By providing good teaching and learning environment, our students can acquire Leadership qualities and teamwork.
- By providing research and developments students can acquire more knowledge and useful for their career
- By providing ethics, values and life skills for development of students which is useful for their career

MAPPING OF INSTITUTE MISSION KEYWORDS WITH DEPARTMENT MISSION

Institute Mission / Department Mission	M1	M2	M3	M4	M5
Keywords					
High Quality Professionals	✓	✓			
Society	✓				
Infrastructure			✓		
Environment			✓		
Industry				✓	
Research & Development		✓		✓	
Human Values					✓
Ethical Responsibilities					✓



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Table 1.1.4: Mapping of Institute Mission with department Mission



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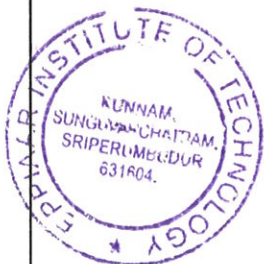
VISION & MISSION OF THE DEPARTMENT OF MECH

VISION OF THE DEPARTMENT

To enhance advanced technical education in the field of Mechanical engineering with the view of transformation in societal and industrialized requirements offering a platform for excellence towards mankind.

MISSION OF THE DEPARTMENT

M1	<ul style="list-style-type: none">• To develop quality education with the global need.
M2	<ul style="list-style-type: none">• To provide state of art facilities to faculty members and students to apply their innovative thoughts towards communal development.
M3	<ul style="list-style-type: none">• To facilitate teamwork culture and promote student community to adapt industrial setup.
M4	<ul style="list-style-type: none">• To develop the research fervour among the students and encourage them to shape inventive ideas.
M5	<ul style="list-style-type: none">• To serve the global community by ethical values and core skills.



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CONSISTENCY OF INSTITUTE VISION WITH DEPARTMENT VISION

<p style="text-align: center;">Institute Vision</p> <p style="text-align: center;">Department Vision</p>	<p>Jeppiaar Institute of Technology aspires to provide technical education in futuristic technologies with the perspective of innovative, industrial, and social application for the betterment of humanity.</p>
<p>To enhance advanced technical education in the field of Mechanical engineering with the view of transformation in societal and industrialized requirements offering a platform for excellence towards mankind.</p>	<p style="text-align: center;">High</p>

Table 1.1.1: Mapping of Institute vision with department Vision

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MAPPING OF INSTITUTE VISION KEYWORDS WITH DEPARTMENT VISION

Institute Vision Department Vision	<p>Jeppiaar Institute of Technology aspires to provide technical education in futuristic technologies with the perspective of innovative, industrial, and social application for the betterment of humanity.</p>
Keywords	
Futuristic	✓
Innovative	✓
Technological Education	✓
Industrial	✓
Societal needs	✓
Humanity	✓

Table 1.1.2: Justification of mapping of Institute vision with department Vision




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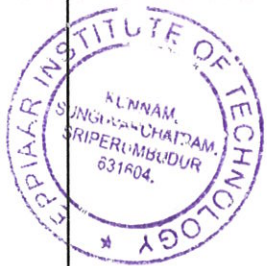


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MAPPING OF INSTITUTE MISSION WITH DEPARTMENT MISSION

Mission of Institute					
Mission of Department	M1	M2	M3	M4	M5
M1	High				
M2		High			
M3			Medium		
M4				Medium	
M5					High

Table 1.1.3: Mapping of Institute Mission with department Mission



d.n.k

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JUSTIFICATION

- To expose excellence education in the field of Mechanical Engineering to the students for making them a socially responsible person.
- Providing good teaching and learning environment with innovative teaching methods and research that will help in creating a strong foundation and supremacy in technical Education.
- By providing teamwork culture and promote student community to adapt industrial setup.
- By providing research and developments students can acquire more knowledge and useful for their career
- By providing ethics, values and life skills for development of students which is useful for their career



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MAPPING OF INSTITUTE MISSION KEYWORDS WITH DEPARTMENT MISSION

Institute Mission Department Mission	M1	M2	M3	M4	M5
	<i>Keywords</i>				
High Quality Professionals	P	P			
Society	P				
Infrastructure			P		
Environment			P		
Industry			P	P	
Research & Development		P		P	
Human Values					P
Ethical Responsibilities					P

Table 1.1.4: Mapping of Institute Mission with department Mission



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

VISION

The department will serve as a centre of excellence in practicing, training and implementing AI and AI associated techniques , that will enable /support innovative thoughts and ideas across industries and society.

MISSION

M1: To collaborate with industry and provide the state of the art infrastructural facilities to meet the global requirements and societal needs for AI.

M2: Promote learning and development of students in Artificial Intelligence thought leadership , by providing them a suitable infrastructure and environment, enabling them to grow into successful entrepreneurs.

M3: To encourage students to pursue higher education and research in the field of AI. **M4:** To impart moral and ethical values in their profession.

PEO's OF THE DEPARTMENT

To equip students with required skills and competencies in AI & Data Science - Data Toolkit - Python & Data Visualization in Python, Regression, Natural Language Processing, Deep Learning and Reinforcement Learning including basic electronics and applied mathematics to further inspire the student's creative and innovative thought process.

Enabled students competent and employable by providing excellent Infrastructure to learn and contribute to the industry and for the welfare of the society.

To produce professionally ethical individuals with multi-disciplinary skills that will meet the industry expectations.

Facilitate students to grow as professionals with values and integrity, contributing to disruptive thoughts and ideas that will pave path to new discoveries, theories , white papers in the field of AI and Data

Analysis



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