



FEMBIT



About Institute

Institute Vision

To carve a brighter prospect for the nation through excellence in technical education for fostering skills, ethical values and environmental consciousness among girls while undertaking existing and forthcoming challenges.

Institute Mission

To nurture technical and creative skills through quality education
To strengthen industries interaction
To impart real life problem solving skills.

About Department

Department Vision

To instill technical skills among students through excellence in education and develop them as computer professionals for forth coming challenges with moral values, environmental and societal consciousness.

Department Mission

- To impart quality education for developing technical skills.
- To create awareness on emerging trends and technologies.
- To cultivate a sense of social responsibility with ethical and strong moral values.

Computer Faculties

In Leadership of

Mr. H. R. Parmar

Mr. S. A. Gohel

Ms. D. S. Baldev

Team Members

Ms. J. J. Karagthala

Ms. R. K. Pandya

Ms. K. S. Shrimankar

Ms. D. S. Singh

Ms. Z. R. Shah

Ms. A. I. Rangrej

Ms. C. J. Vaghela

Ms. P. P. Patel

Mr. D. M. Gohil

**“Re-Accredited by NBA in
2025 – Commitment to
Quality Education up to
2028”**

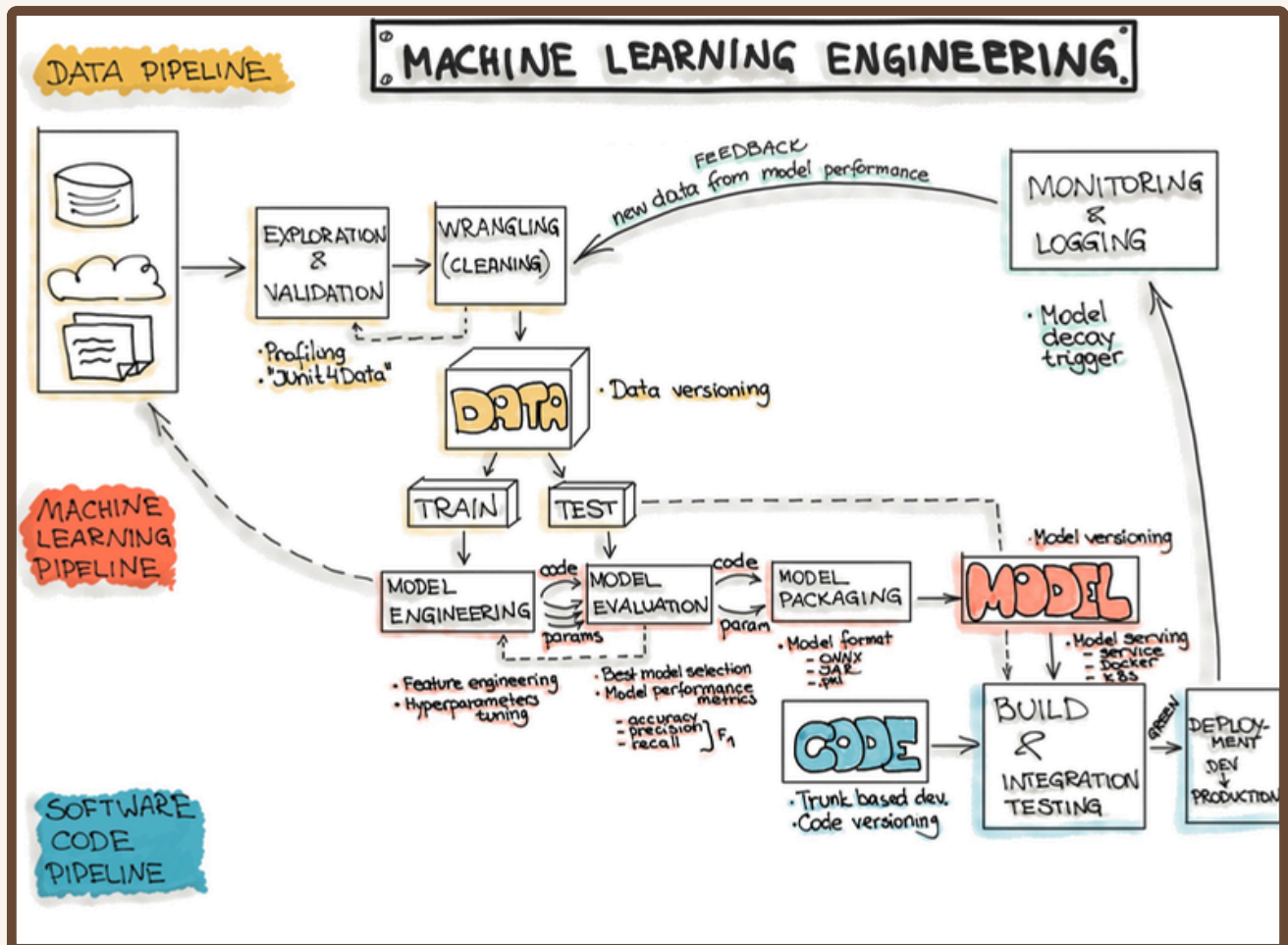
Ensuring quality education
through outcome-based teaching,
continuous improvement, and
academic excellence.



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Artificial Intelligence and Machine Learning



Artificial Intelligence is transforming how machines learn, think, and assist humans. From smartphones to smart factories, AI is everywhere.

◆ What's Trending?

Generative AI creates text, images, videos, and code

Computer Vision enables face recognition, object detection, motion tracking

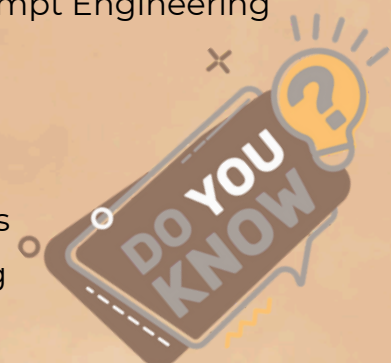
AI in Education offers personalized learning and smart tutoring

AI in Healthcare supports disease detection and robotic surgery

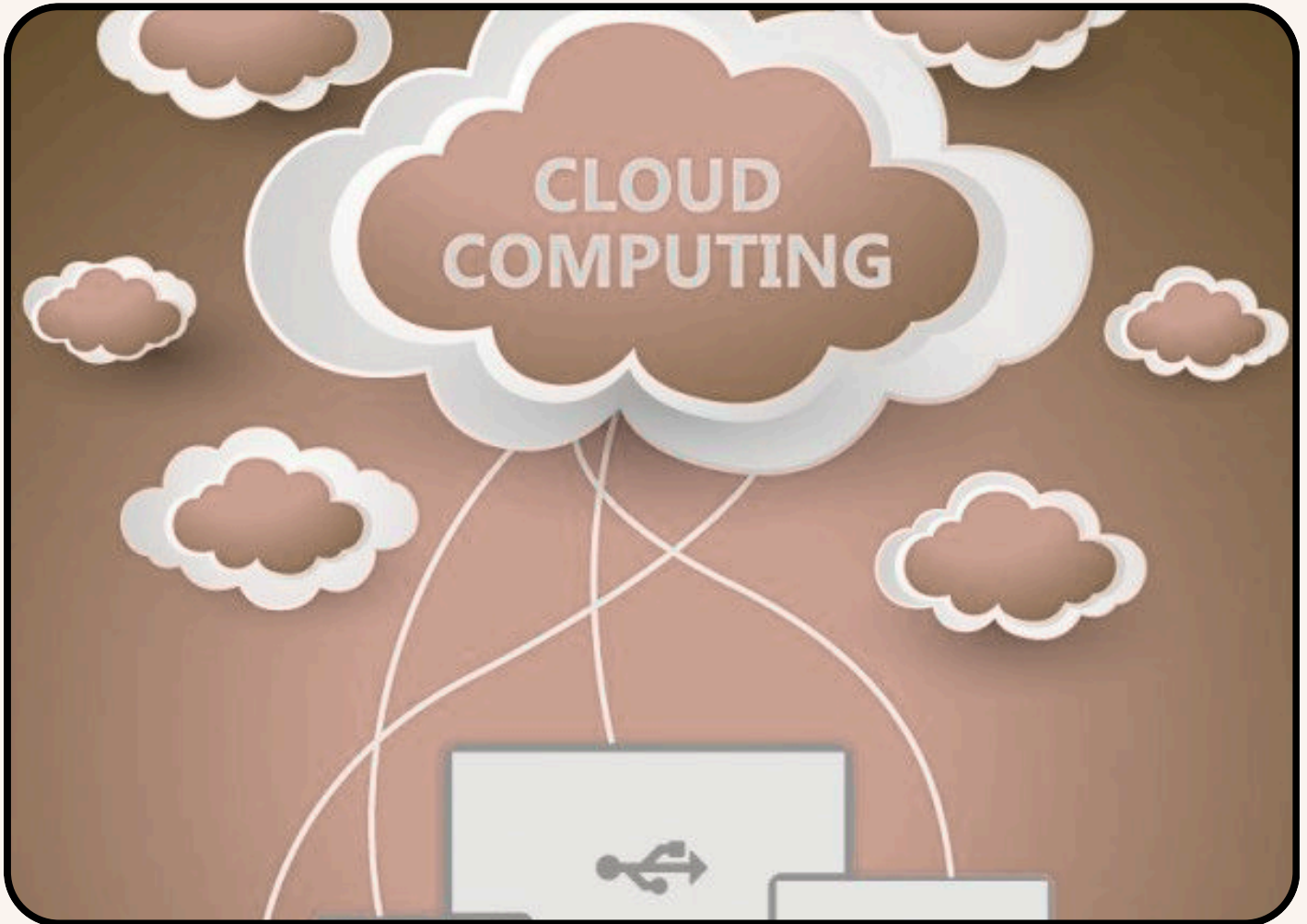
◆ Skills to Learn

Python, Machine Learning basics, Neural Networks, Prompt Engineering

- Where AI Is Used Today
- 📱 Smartphones: Face unlock, voice assistants
- 🛒 E-commerce: Product recommendations
- 🚗 Transportation: Self-driving & driver-assist systems
- 🏥 Healthcare: Disease prediction & medical imaging
- 🎓 Education: Smart tutors, auto-evaluation



Cloud Computing



- Cloud computing allows users to access computing resources anytime, anywhere.
- Cloud computing delivers computing services like servers, storage, and databases over the internet.

- **Types of Cloud**

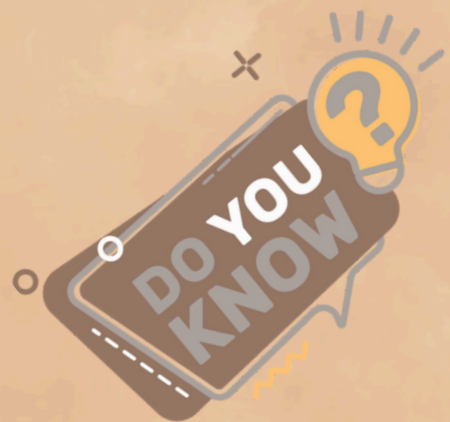
- Public Cloud: AWS, Azure
- Private Cloud: Organization-specific
- Hybrid Cloud: Combination of both

- **What's New?**

- Cloud Platforms: AWS, Azure, Google Cloud
- DevOps Culture: Faster development & deployment
- Containers: Docker & Kubernetes
- Serverless Computing: No server management needed

- **Benefits**

- Faster deployment
- Better reliability
- Scalable
- Cost-effective
- High availability





Outstanding Students

GTU Exam Winter 2024 (Sem 1,3 ,5) & Summer 2025(Sem 2,4,6)

1st Semester

SPI OUT OF 10

1	GADANI MANSI KETANKUMAR	9.86
2	JOSHI TANVI ASHUTOSH	9.81
3	JANI JIYA JIGAR	9.71

2nd Semester

SPI OUT OF 10

1	PATEL JENSI KALPESHKUMAR	10
2	GADANI MANSI KETANKUMAR	9.9
3	JANI JIYA JIGAR	9.9

3rd Semester

SPI OUT OF 10

1	KADAMBANDE MAHI PRASHANT	10
2	CHAUHAN RITIKA PARESHKUMAR	9.76
3	PANCHAL NAMASVI DIPAKBHAI	9.76

4th Semester

SPI OUT OF 10

1	KADAMBANDE MAHI PRASHANT	10
2	PANCHAL NAMASVI DIPAKBHAI	9.9
3	CHAUHAN RITIKA PARESHKUMAR	9.81

5th Semester

SPI OUT OF 10

1	PATEL ANSHU GAURANGKUMAR	10
2	RAVAL DHURVI NITINKUMAR	9.86
3	MEWADA RIYA DINESH	9.71

6th Semester

SPI OUT OF 10

1	PATEL ANSHU GAURANGKUMAR	10
2	RAVAL DHURVI NITINKUMAR	10
3	MEWADA RIYA DINESH	10



Co-Curricular Activities at Department

Sr No.	Topic	Industry
1	Expert Lecture on Virtualization and Cloud Concepts	Praxware Technologies
2	Expert Lecture on Emerging Trends and Technologies Based in IT	INFOLABZ IT
3	Expert Lecture on "Cyber Security"	IAN T ASHRAM ROAD
4	Expert Lecture on MVC with PHP and Introduction to Laravel Framework	Tops Technologies
5	Protocols & Applications of Internet of Things	INFOLABZ IT
6	Cyber Awareness Program	Gujarat Cooperative State Bank - IT
7	Awareness on Indian Institute of Skill Development- Skill Development Training for Job Readiness	Tata Indian Institute of Skill Development
8	Flutter Development	Frameboxx
9	C Programming	INFOLABZ IT
10	Mathematics	G.P Ahmedabad
11	Expert Lecture on Machine Learning	INFOLABZ IT
12	Expert Lecture on Natural Language Processing - NLTK	BrainyBeam Technologies
13	Career Counselling and Soft Skills	Keystone Global
14	Workshop on Android	Plum Scope LLP

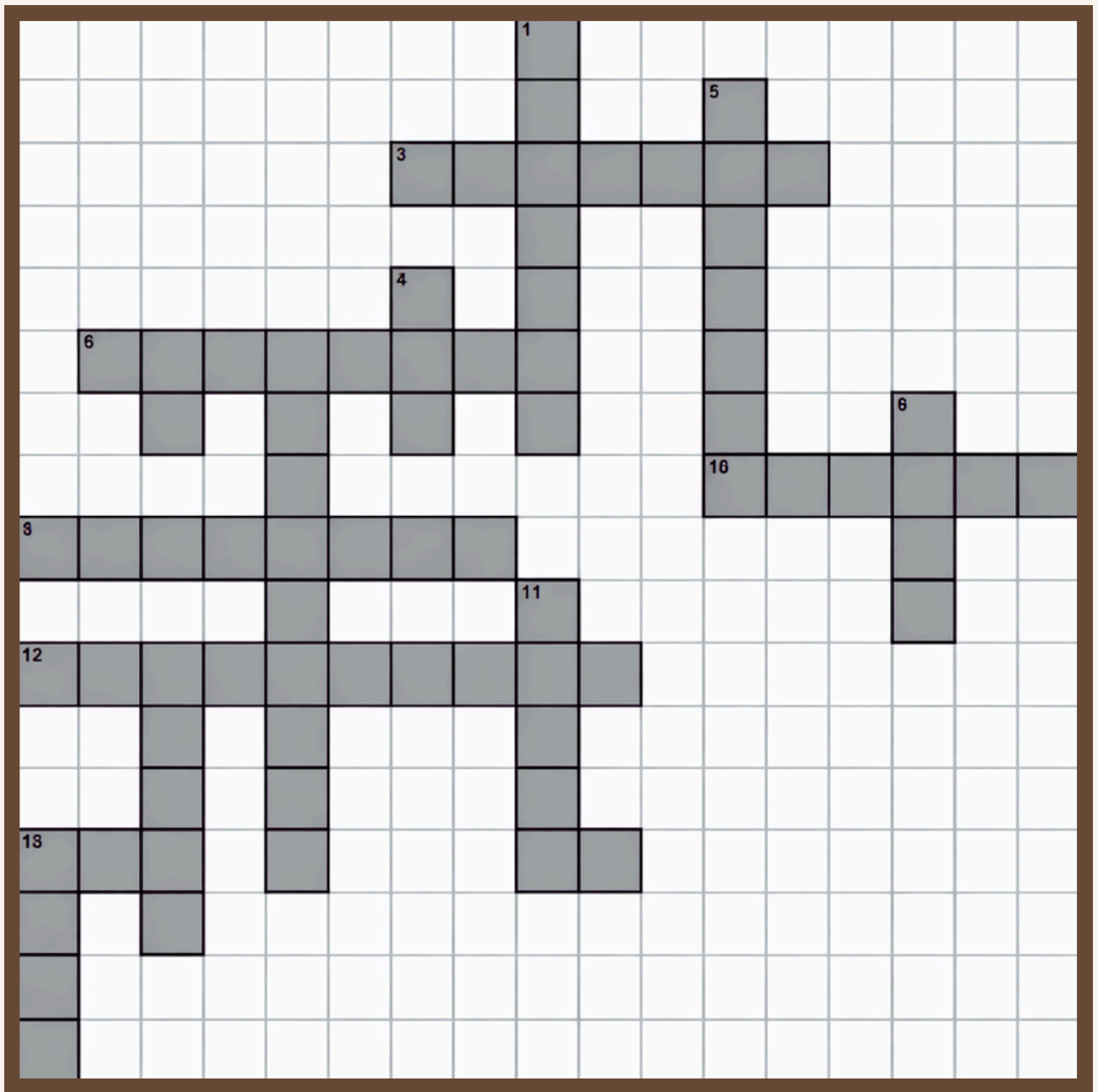
Industry-Institute Interaction

An Industry-Institute Interaction Program was organized in collaboration with Tops Technologies, Ahmedabad, to provide students with exposure to current industry practices and emerging technologies. The program was conducted on 20 February 2025, 10 March 2025, and 11 March 2025, witnessing enthusiastic participation from students across various semesters.

The sessions focused on trending and future-oriented domains such as Internet of Things (IoT), Artificial Intelligence (Alexa), Google Trends, Cyber Security, Software Development Life Cycle (SDLC), and Augmented Reality. Industry experts shared practical insights, real-world applications, and career guidance, enabling students to connect theoretical concepts with industrial requirements.



TechMatrix



DOWN (↓)

- 1 (7) Variable that stores whole numbers.
- 2 (7) Used to print documents.
- 4 (3) Temporary memory of computer.
- 6 (2) Making machines think like humans.
- 7 (9) A step-by-step solution to a problem.
- 8 (4) Language used to create web pages.
- 11 (5) Moving pictures with sound.
- 13 (5) Popular open-source operating system.
- 14 (3) Used to style web pages.

ACROSS (→)

- 3 (7) A group of connected computers.
- 5 (8) Collection of related data.
- 9 (6) Device used to connect networks
- 10 (8) Input device used to type text.
- 12 (10) Combination of text, audio, video, and images.
- 14 (3) The brain of the computer.
- 15 (2) Software that manages computer hardware.

Ans. Down: 1. Integer 2. Printer 4. RAM 6. AI 7. Algorithm 8. HTML 11. Video 13. Linux 14. CSS
Across: 3. Network 5. Database 9. Router 10. Keyboard 12. Multimedia 14. CPU 15. OS



Under

The Commissionerate Of Technical Education

Education Department

Government Of Gujarat

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Ahmedabad

A Newsletter Of The Department Of Computer Engineering at The Government Polytechnic for Girls

Ahmedabad

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Ahmedabad.

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