Good afternoon everyone — fellow Toastmasters and guests!
My name is **Atul Kumar Nag**, and I'm happy to be your **Toastmaster of the Day**.

Our theme today is: **"Influence of AI: Zeroes, Ones… and Now It Thinks."**
In the beginning, computers just followed commands — zeroes and ones. But now, AI can **learn**, **solve problems**, and even **talk like humans**.

It is part of our daily life — in phones, hospitals, banks, and even in the way we shop or study.
AI can support us, make decisions, and is changing how we live and work.

So, in today's session, we'll talk about how AI is shaping our future — the good parts, the risky parts, and everything in between.

Let's enjoy the session with great speeches, fun games, and lots of learning.
Let's begin!

Start of Meeting:

Ashok presents the Mission Statement.

Ashok invites Sheetal to the stage.

Sheetal delivers the Opening Address.

Sheetal invites you (TMOD) to the stage.

Theme Introduction (Approx. 5 minutes):

You introduce the Theme of the Day.

Introduce TAG Role Players:

Call the Grammarian → introduces Word of the Day.

Call the Ah-Counter.

Call the Timer.

(Optional) Add 1-2 minutes of theme explanation or engagement.

Prepared Speech Section:

Call the Evaluator (Monal) first.

Monal explains speech objectives and structure.

Call the Speaker (who will deliver their speech).

After the speech, the speaker hands the stage back to you.

You add 1-2 transition lines.

Table Topics Session:

Call the Table Topic Master (Ankita).

Ankita conducts the impromptu session.

Evaluation Section:

After Table Topics, you hand over to the General Evaluator (Ringy).

Ringy calls:

Monal for speech evaluation.

Janak for their evaluation.

One-by-one the three TAG role players (Grammarian, Ah-Counter, Timer).

Ringy gives her General Evaluation Report.

Then hands the stage back to you (TMOD).

Conclusion:

You conclude the Theme of the Day in 1-2 lines.

Hand the stage back to Sheetal.

Sheetal announces the Voting Results.

🌍 What is AI?

Artificial Intelligence (AI) is the science of making machines that can **think**, **learn**, and **act like humans** — or even better.

It's like teaching a computer how to use its "brain" — from recognizing faces to driving cars or solving complex problems faster than any human.

🕰️ The 5 Phases of AI – A Journey Through Time

1️⃣ Ancient Imagination Phase (Before 1800s)

This was the **mythical era** – where humans first *imagined* intelligent beings.

- In Indian epics like **Ramayana** and **Mahabharata**, we hear about flying chariots (Pushpak Vimaan), divine weapons, and even robots (Yantras).
- In Greek mythology, **Talos** was a giant bronze robot that protected Crete.
- In ancient China, automaton-like dolls could sing, dance, and play music.

🧠 **Key Point**: Humans always dreamt of building "thinking" machines, long before technology existed.

2️⃣ Mechanical Automation Phase (1800s – 1940s)

This was the **era of machines** – but without "intelligence".

- Inventions like clocks, gear-based calculators, and mechanical dolls became common.
- Charles Babbage created the **Analytical Engine**, the father of modern computers.
- Ada Lovelace wrote the first algorithm.

🧠 **Key Point**: Machines started performing tasks but still lacked *thinking or learning* ability.

3️⃣ Symbolic AI / Classical AI (1950s – 1980s)

This was the **birth of real AI** – where logic met coding.

- **Alan Turing** asked the famous question: *"Can machines think?"* – This gave birth to the **Turing Test**.
- AI programs were built to solve math puzzles, play chess, and reason logically.
- AI was rule-based: "IF X happens, THEN do Y" logic.

🧠 **Key Point**: AI could follow logic, but it couldn't deal with uncertainty or real-world messiness.

4️⃣ Machine Learning Revolution (1990s – 2010s)

AI now **learns from data**, not just rules.

- Instead of giving rules, we gave **examples**, and AI learned patterns.
- Example: Feed AI 1,00,000 photos of cats, it learns how a cat looks.
- In 2012, **ImageNet** competition was won by deep learning models (neural networks), and AI accuracy shot up.

🧠 **Key Point**: AI became better than humans in tasks like image recognition, game playing (e.g., AlphaGo).

5️⃣ Generative AI & AGI Era (2020s – Now)

This is the era of **chatbots, creators, and deep thinkers**.

- AI like **ChatGPT**, **DALL·E**, **Sora**, and **Bard** can now write poems, generate code, make videos, and hold conversations.
- AI-generated art, music, even **scientific papers** are common.
- We're getting close to **AGI (Artificial General Intelligence)** – where AI can learn *any task* a human can.

🧠 **Key Point**: AI is now *thinking, writing, imagining,* and soon may reach **human-level intelligence**.

✅ 10 Advantages of AI

#	Advantage	Real World Benefit
1	Speed	AI is much faster than humans in calculations, decision-making.
2	24/7 Work	No fatigue — great for support, monitoring, factories.
3	Accuracy	Used in surgery, manufacturing, and quality checks.
4	Automation	Replaces boring, repetitive jobs.
5	Personalization	YouTube, Amazon, Netflix use AI to customize.
6	Data Power	Can analyze massive data in seconds.
7	Dangerous Jobs	Used in space, mines, underwater, war zones.
8	Boosts Human Work	Supports teachers, doctors, coders, writers.
9	Healthcare	Diagnoses diseases, finds new drugs.
10	Education	Tutors students based on their learning style.

❌ **10 Disadvantages of AI**

#	Disadvantage	Risk or Problem
1	Job Loss	Machines replacing human jobs (factories, banks).
2	Expensive	High cost of building, training models.
3	No Emotions	Cannot understand feelings, empathy.
4	Bias	Learns from biased data = biased decisions.
5	Privacy	Face recognition, personal data misuse.
6	Misuse	Deepfakes, fake news, AI-generated fraud.
7	Over-Dependency	Humans stop thinking or learning.
8	No Common Sense	Makes illogical or harmful decisions if data is wrong.
9	Hard to Explain	“Black-box” problem — can’t explain why AI made a decision.

#	Disadvantage	Risk or Problem
10	Legal/Ethical	Who's responsible if AI causes harm? No clear answer.

🧭 Way Forward: What Lies Ahead?

- AI will become part of **every field** – education, medicine, law, governance, entertainment.
- We need to build **ethical, explainable, fair** AI systems.
- Human-AI collaboration will be the future – where humans guide AI, and AI enhances human ability.

Final Thought 💡

AI is like **fire** – it can cook your food or burn your house.
Used right, it will **elevate humanity**.
Used wrong, it can **destroy trust, jobs, and lives**.
Wisdom, not just intelligence, is what we now need the most.

✅ 1️⃣ Use AI as a Daily Tool – Not Just for Fun

- Treat ChatGPT, GitHub Copilot, or Bard like a coding assistant.
- Use it to **speed up boilerplate**, generate **unit tests**, or **debug faster**.
- If you're not using AI, you're already behind someone who is.

⚠️ Don't just code — **code faster and smarter** using AI.

✅ 2️⃣ Master Prompt Engineering

- The better you write prompts, the better results you get from AI.
- Practice refining prompts for **coding, docs, bug fixing, architecture suggestions**, etc.

🎯 Engineers who know how to "talk to AI" will control those who don't.

✅ 3️⃣ Upskill in AI-Resistant Areas

Focus where AI still struggles:

- **System design**
- **Security**
- **Legacy code refactoring**
- **Infra + DevOps**
- **Client communication**

🔐 These skills can't be fully automated — they'll **always need humans**.

✅ 4️⃣ Build Something with AI APIs

- Learn to **integrate ChatGPT/OpenAI APIs** into your app or workflow.
- Example: Build an **internal Slack bot**, **smart FAQ**, **code reviewer**, etc.

🛠️ Show that you're not just using AI — you're **building with it**.

✅ 5️⃣ Shift from "Doer" to "Thinker"

- AI can **do** things fast, but it can't think deeply or solve messy problems (yet).
- Improve your **problem-solving, product thinking**, and **impact-driven mindset**.

💡 Be the brain that guides AI, not the hand that AI replaces

🎮 **GAME TIME: "AI SURVIVOR – Can You Outsmart the Bot?"**

Each round presents a real-world dilemma. You'll see two responses:

- One from an **AI system** 🤖
- One from a **Human expert** 🧠

  You must guess which one is more effective or reliable.
  Raise your hand for Option A or B. Let's see who truly survives – YOU, or the BOT!

✅ **ROUND 1 – LANGUAGE TRANSLATION (AI Wins)**

You're in Germany, trying to find the nearest metro station, but no one speaks English.

🔹 **Option A**: You pull out Google Translate, speak in English, and instantly get the German translation with audio.

🔹 **Option B**: You ask a random local using gestures and broken English – they try to help, but misunderstand and send you the wrong way.

🙋 Option A?

🙋 Option B?

✅ **Correct Answer: A**

AI translators today handle over 100+ languages with voice, image, and real-time text — reducing travel miscommunication.

✅ **ROUND 2 – EMPLOYEE MENTORSHIP (Human Wins)**

You've joined a new company. You're confused about internal processes.

🔹 **Option A**: AI chatbot on the company portal gives rule-based answers from documents.

🔹 **Option B**: A senior colleague invites you for coffee, shares tips, unwritten rules, and tells you how to avoid mistakes.

🙋 Option A?

🙋 Option B?

✅ **Correct Answer: B**

No AI can replicate real human mentorship, workplace culture hacks, or emotional support.

✅ **ROUND 3 – INVESTMENT DECISION (AI Wins)**

You want to invest ₹50,000 smartly.

🔹 **Option A**: You use an AI-based robo-advisor that studies your risk profile and builds a diversified portfolio in seconds.

🔹 **Option B**: You ask your uncle who says, "FD mein daal do, safe hai."

🙋 Option A?

🙋 Option B?

✅ **Correct Answer: A**

Robo-advisors use machine learning to track market trends, risk, and optimize returns better than generic advice.

✅ **ROUND 4 – RELATIONSHIP ADVICE (Human Wins)**

You're heartbroken after a breakup and need someone to talk to.

🔹 **Option A**: AI therapist gives logical suggestions, meditation tips, and quote of the day.

🔹 **Option B**: Your best friend listens to you rant for an hour and says, "Chal yaar, chai peene chalte hain."

🙋 Option A?

🙋 Option B?

✅ **Correct Answer: B**

*When emotions run high, **humans heal humans** — not screens.*

Let's go way back — to ancient India!
Q: Which flying machine, described in the Indian epic Ramayana, is considered one of the earliest references to advanced technology or AI-like imagination?
A: *Pushpak Viman* — a mythical, self-operating flying chariot used by Ravana and later by Lord Rama, often cited as an ancient concept resembling modern autonomous machines.

2️⃣ **Raise your hand if you've heard of Charles Babbage!**
Q: What is Babbage famous for — and why is he called the grandfather of AI?
A: He invented the *Analytical Engine*, considered the first mechanical computer — laying foundations for computing logic.

3️⃣ **For the logic lovers out there:**
Q: Which genius proposed a test in 1950 to check whether a machine can "think"?
A: *Alan Turing* — he proposed the *Turing Test* to evaluate machine intelligence.

4️⃣ **Storytime! In 1956, a group of scientists met at Dartmouth College.**
Q: Why is this meeting considered the "birthplace" of AI?
A: It was the *Dartmouth Conference*, where the term "Artificial Intelligence" was officially coined.

5️⃣ **Let's talk programming languages:**
Q: What was the very first programming language created specifically for AI?
A: *LISP* — developed by John McCarthy, it's still used in AI research today.

6️⃣ **Chess Challenge:**
Q: Which AI defeated the world chess champion Garry Kasparov in 1997?
A: *IBM's Deep Blue* — the first AI system to beat a world chess champion under tournament rules.

7️⃣ **AI's Big Comeback in 2012:**
Q: What type of AI model stunned the world by recognizing images better than traditional systems?
A: *Deep Neural Networks* — especially the *Convolutional Neural Network* used in the ImageNet competition.

8️⃣ **Now something recent:**
Q: Which company launched ChatGPT and DALL·E?
A: *OpenAI* — a research lab focused on safe and beneficial artificial general intelligence.

9️⃣ **Buzzword alert:**
Q: What does “Generative AI” mean in simple terms?
A: AI that can *create* new content — like images, text, music — based on patterns it has learned.

🔟 **The Game-Changer of 2022:**
Q: Which AI model launched in late 2022 revolutionized human-AI interaction globally?
A: *ChatGPT powered by GPT-3.5 and GPT-4* — the most widely adopted conversational AI till date.