



POLICY FRAMEWORKS AND GOVERNANCE MODELS FOR AI INTEGRATION IN SCHOOL EDUCATION



LEVERAGING ARTIFICIAL INTELLIGENCE FOR TRANSFORMING SCHOOL EDUCATION

ONLINE TRAINING PROGRAMME

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SESSION OVERVIEW



Lecture Flow:

- Context and **need for AI** in school education
- **Understanding AI** in a simple, non-technical way
- Policy **frameworks** and governance for AI
- Stakeholders, **roles**, and **responsibilities**
- **Ethics and data privacy** considerations
- Governance models and **implementation roadmap**
- Key **takeaways** and discussion



Key Message: AI can support education, but only when guided by clear policies, shared governance, and ethical responsibility — with teachers at the center.

SECTION : 1

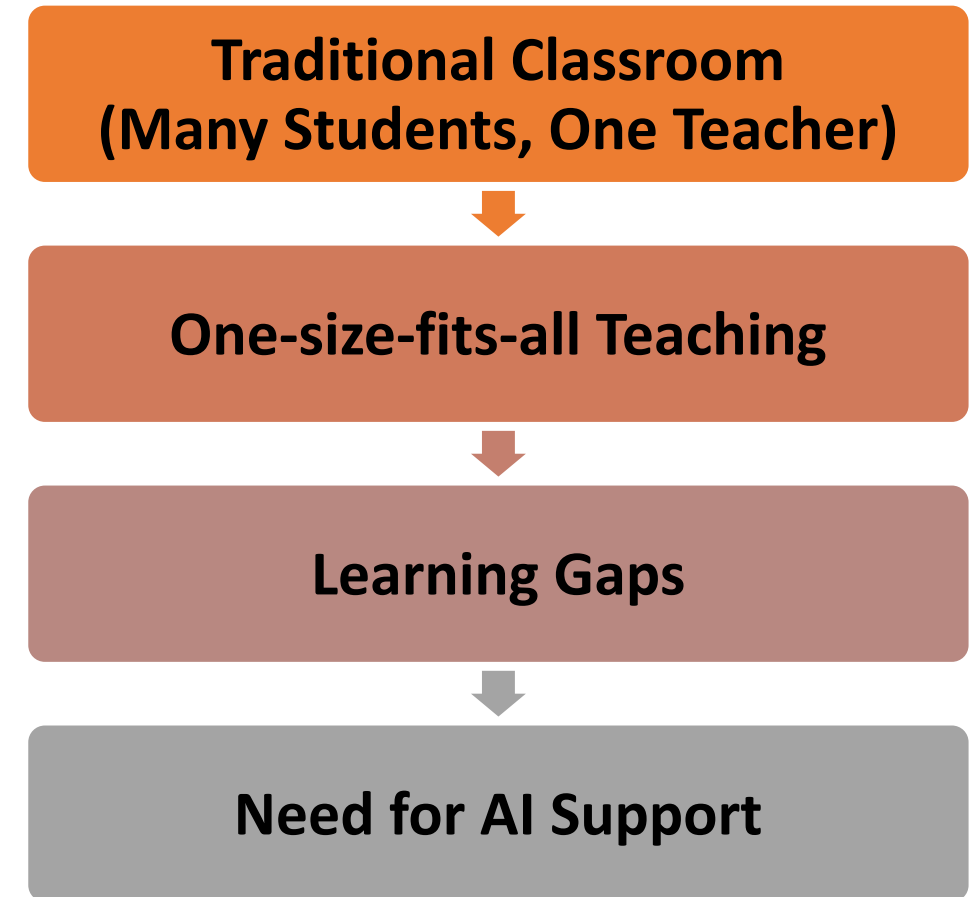
CONTEXT & NEED



NEED : AI IN SCHOOL EDUCATION



- Diverse learning needs in classrooms
- Limited teacher time and resources
- Need for personalized learning support
- Early identification of learning gaps
- Support for data-informed decisions



Key Message: AI supports teachers — it does not replace them



NEP 2020: TECHNOLOGY AS AN ENABLER



- Access to quality **education for all**
- Equity and **inclusion in learning**
- **Technology-enabled teaching** and learning
- Teacher empowerment through **digital tools**
- Focus on **ethical and responsible** use

National Education Policy 2020



Digital Education Vision



AI-Enabled Learning Support



Improved Learning Outcomes

Key Message: Technology should enhance learning — not replace teachers

SECTION : 2

UNDERSTANDING AI



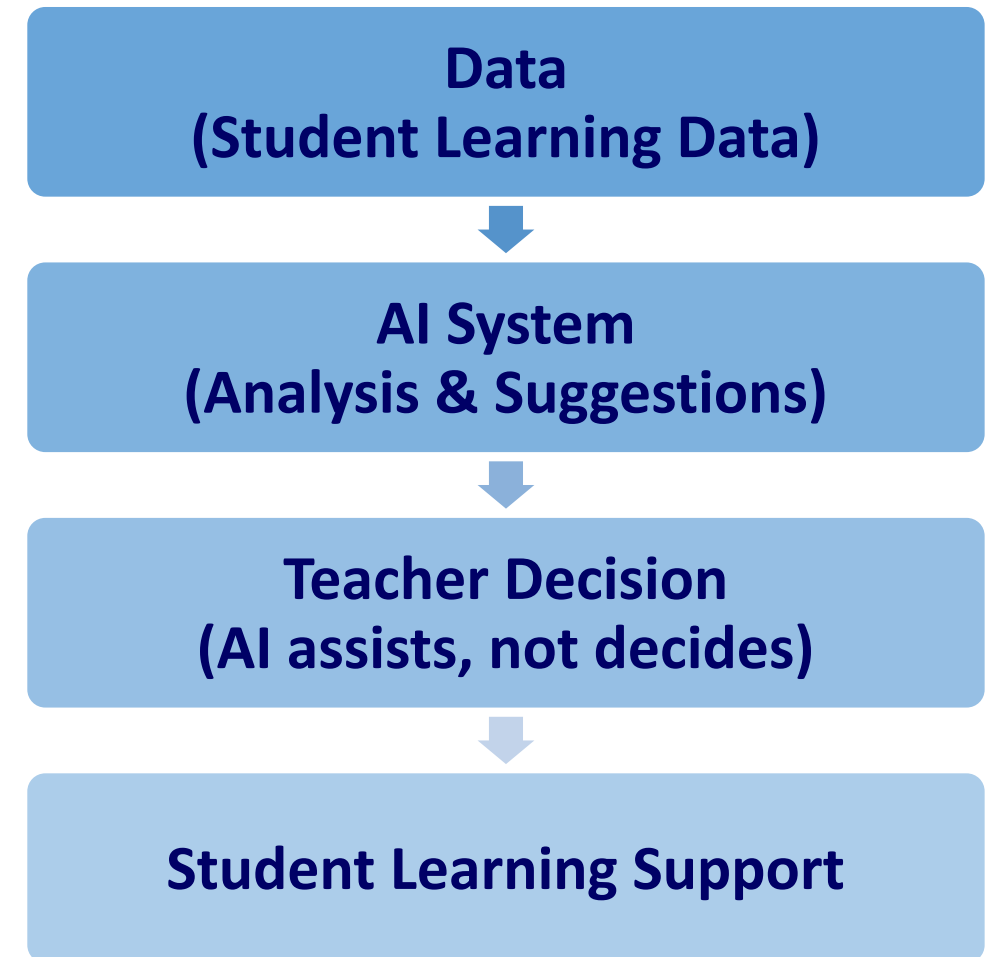
ARTIFICIAL INTELLIGENCE (AI)



Definition:

Artificial Intelligence is the ability of machines to **learn from data and assist humans** in making decisions.

- AI **learns from examples** and data
- AI **identifies patterns** and trends
- AI provides learning support suggestions, **not decisions**
- Humans remain **has control**



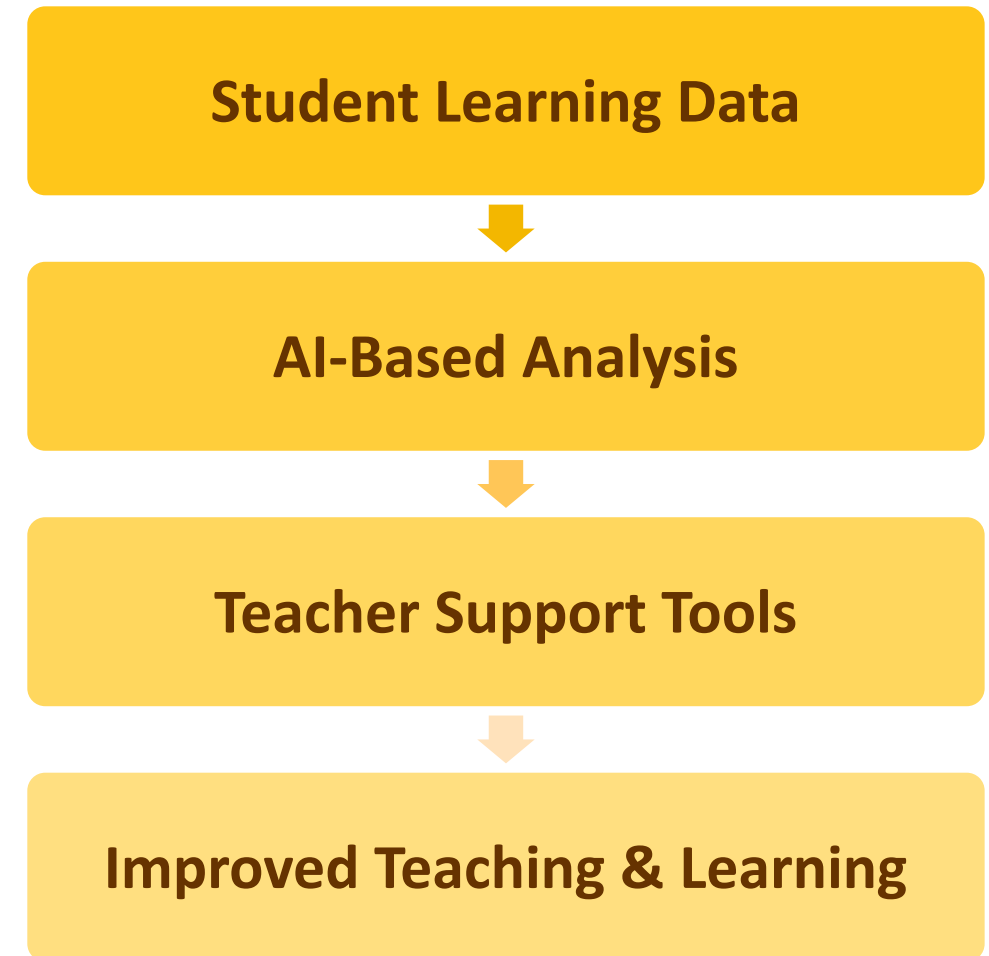
Key Message: AI supports teachers — it does not replace them



EXAMPLES : AI USE IN SCHOOL EDUCATION



- Personalized learning and practice support
- Assisted assessment and feedback
- Identifying learning gaps early
- Content support and recommendation for students
- Administrative support for teachers



Key Message: AI helps teachers manage time better and focus more on teaching

SECTION : 3

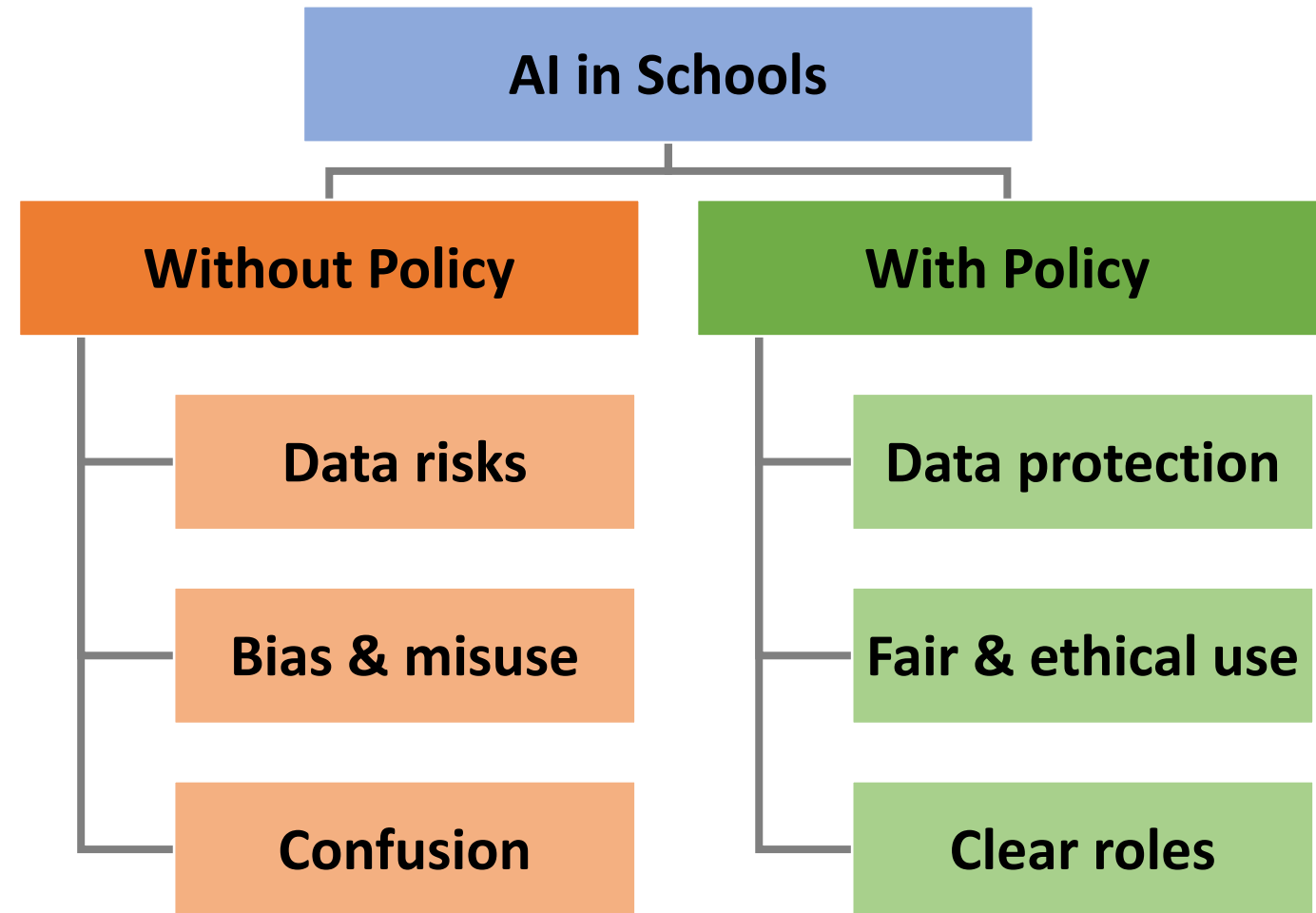
POLICY FRAMEWORK



NEED : POLICY FRAMEWORKS FOR AI IN SCHOOLS



- Protection of student data and privacy
- Ensuring fairness and non-discrimination
- Avoiding misuse or over-dependence on technology
- Clear roles and accountability
- Alignment with national education goals



Key Message: Policy ensures AI is used safely, ethically, and responsibly in schools



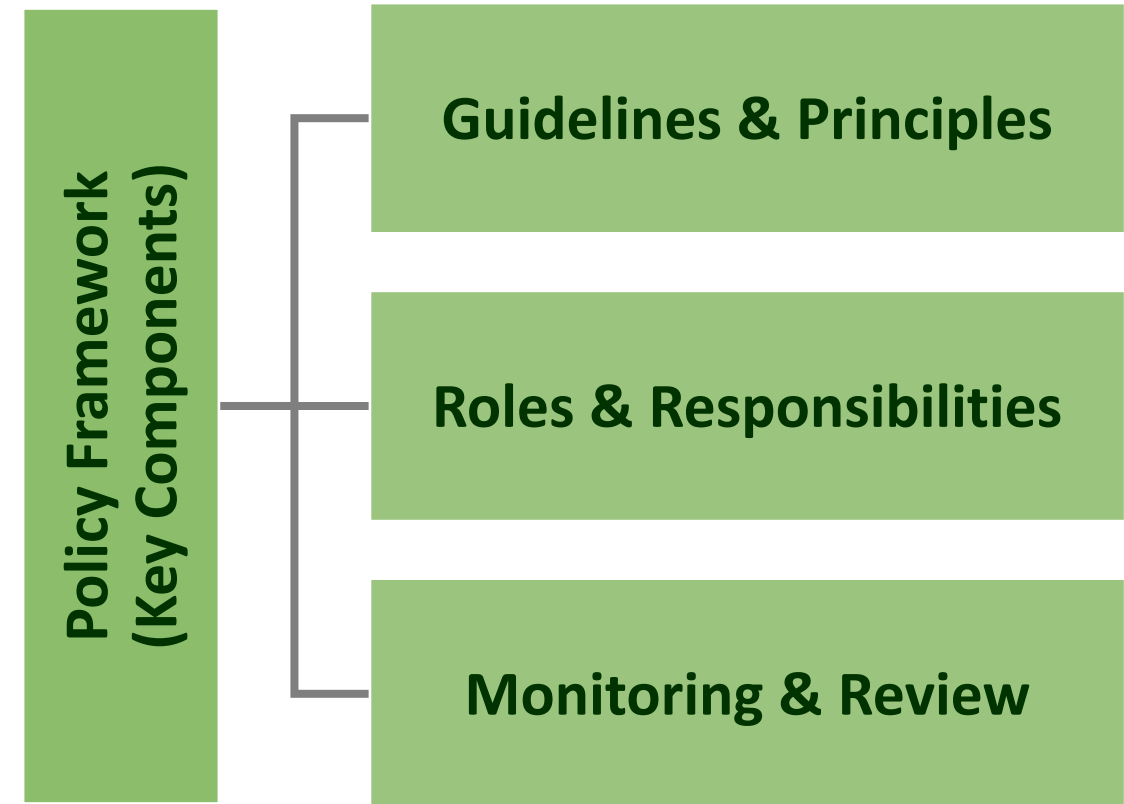
POLICY FRAMEWORK FOR AI IN EDUCATION



Definition:

A policy framework is a set of guidelines that define **how AI should be designed, used, and monitored** in school education.

- Defines **what is allowed and not allowed**
- Clarifies **roles and responsibilities**
- Ensures **safe and ethical use of AI**
- Aligns AI **use with education goals**



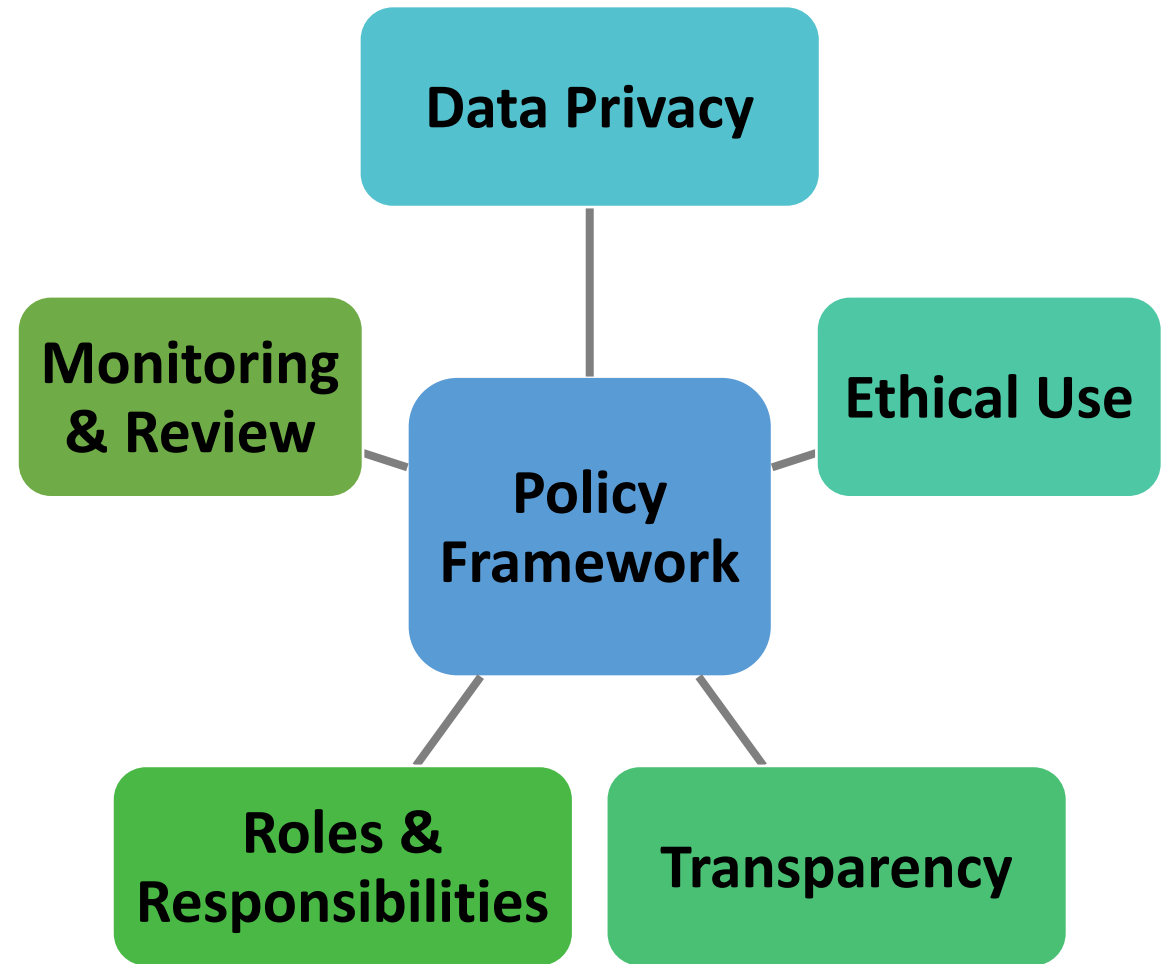
Key Message: A policy framework guides schools on how to use AI responsibly and consistently



KEY ELEMENTS : AI POLICY FRAMEWORK FOR SCHOOLS



- Data **privacy and security**
- **Ethical and responsible** AI use
- Transparency and **explainability**
- Roles and **responsibilities** of stakeholders
- **Monitoring, review,** and continuous improvement



Key Message: A strong AI policy framework balances innovation with safety and responsibility

SECTION : 4

GOVERNANCE STAKEHOLDERS & ROLES



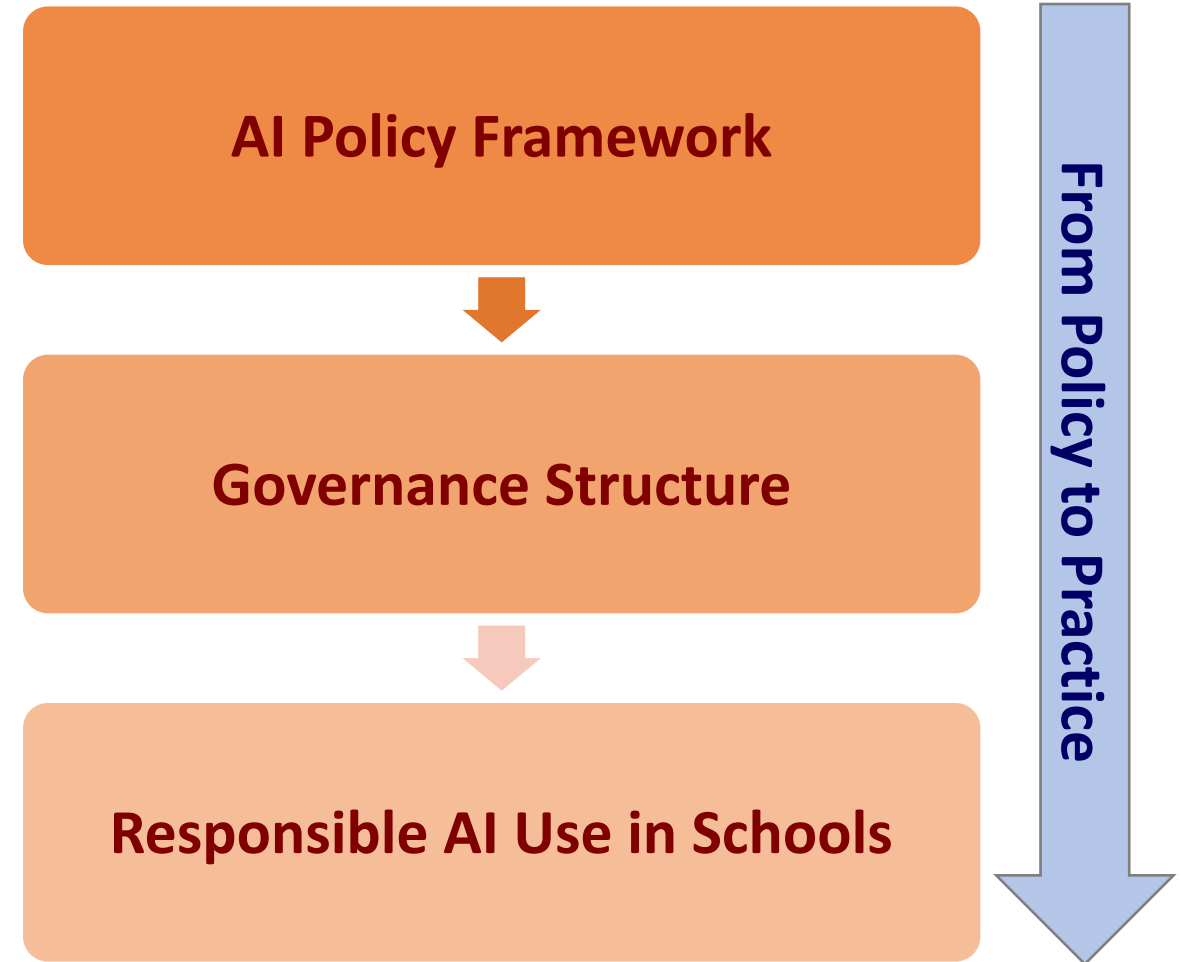
WHAT IS GOVERNANCE IN AI FOR SCHOOL EDUCATION?



Definition:

Governance refers to the processes and responsibilities through which AI policies are implemented, monitored, and improved in schools.

- Defines who is responsible for decisions
- Ensures policies are followed in practice
- Monitors impact and outcomes
- Supports continuous improvement



Key Message: Good governance turns policy into responsible practice



KEY STAKEHOLDERS IN AI GOVERNANCE FOR SCHOOL EDUCATION

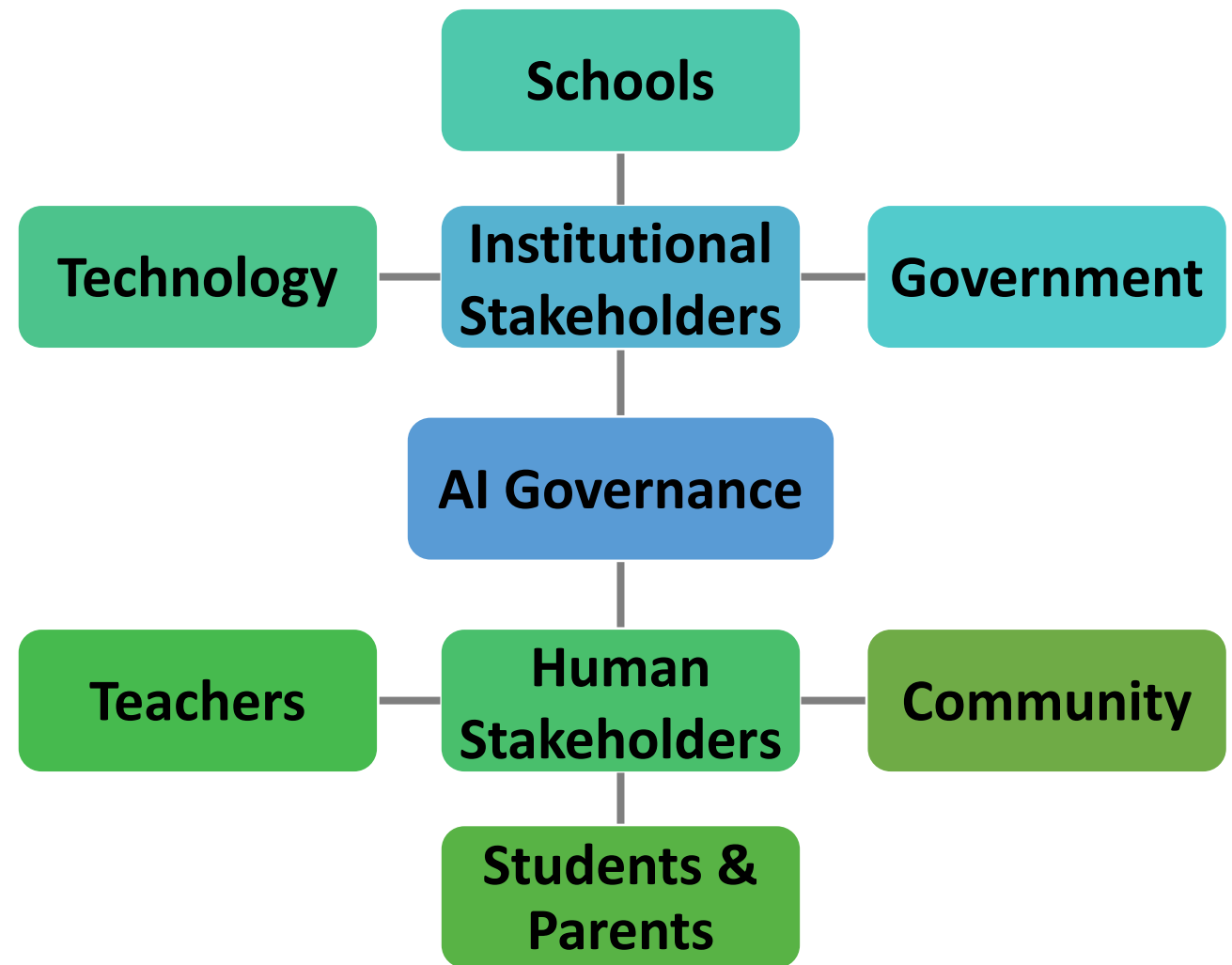


Institutional Stakeholders:

- Government and education authorities
- School management and leadership
- Technology providers

Human Stakeholders:

- Teachers and educators
- Students and parents
- Community and civil society



Key Message: Effective AI governance requires collaboration among all stakeholders



Government & Education Authorities

- Develop policy guidelines
- Ensure ethical and safe AI use
- Support capacity building

**Policy & Oversight
(Government Authorities)**



**Implementation & Monitoring
(Schools & Teachers)**



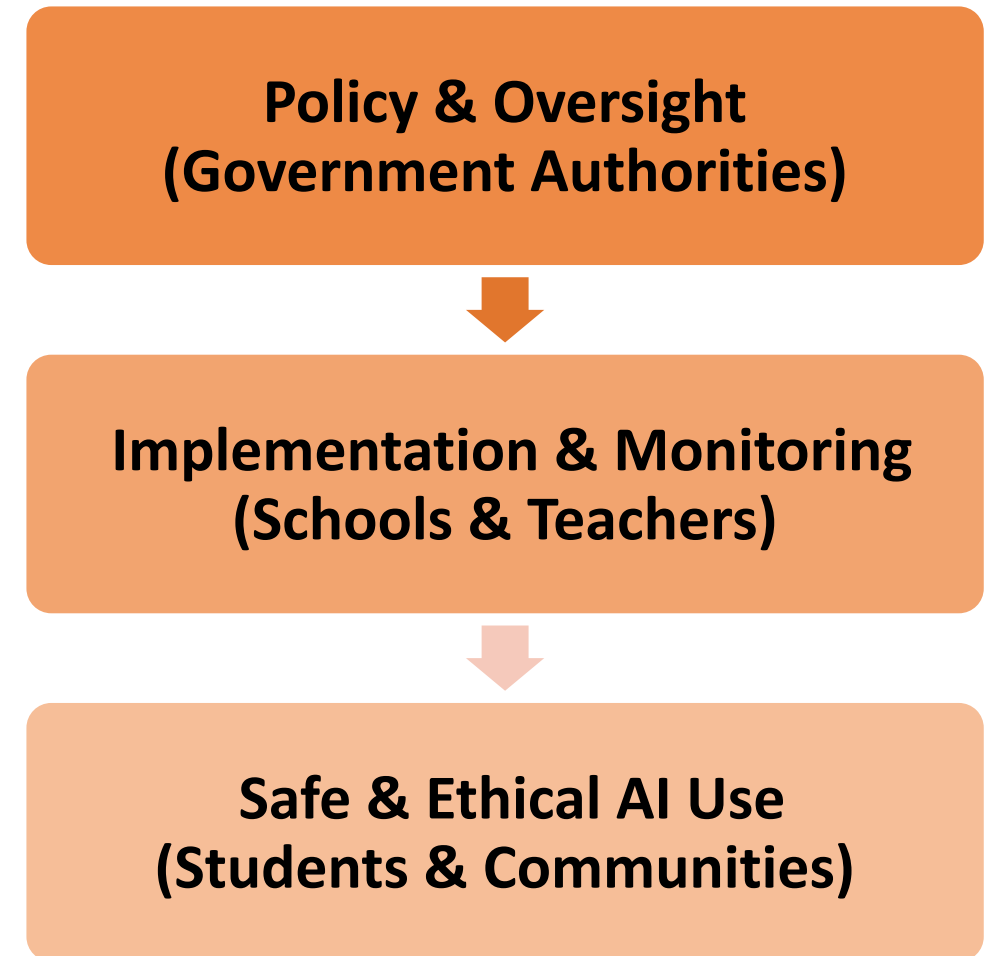
**Safe & Ethical AI Use
(Students & Communities)**

Key Message: Clear roles and shared responsibility are essential for effective AI governance



School Management & Leadership

- Implement AI policies at school level
- Provide infrastructure and support
- Monitor AI use in schools

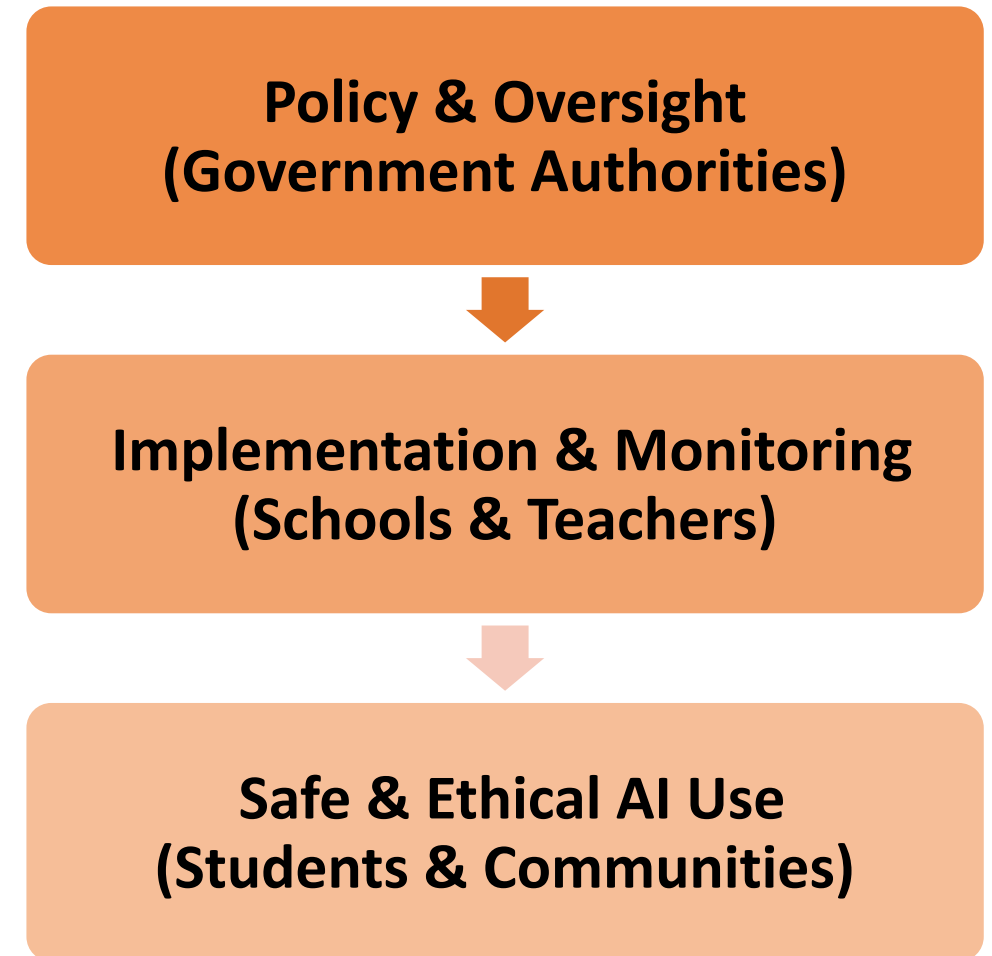


Key Message: Clear roles and shared responsibility are essential for effective AI governance



Teachers & Educators

- Use AI tools responsibly
- Support student learning using AI
- Provide feedback on AI effectiveness

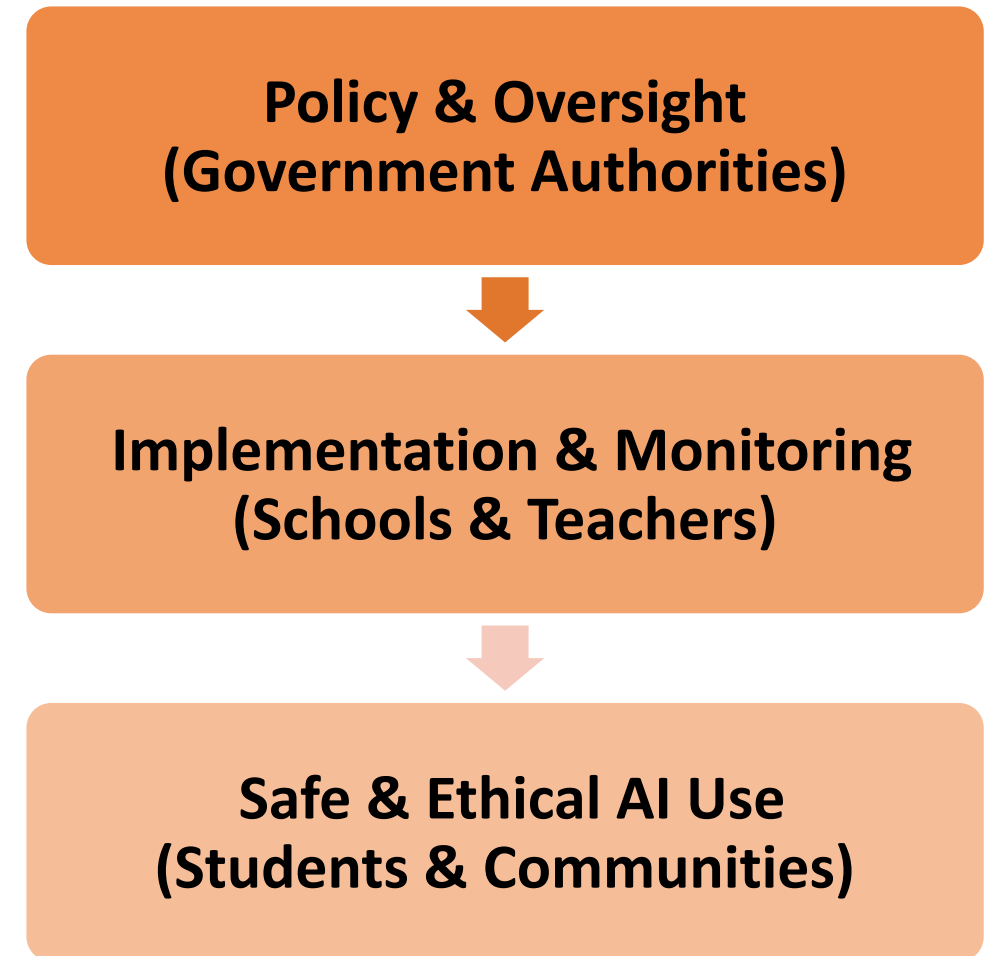


Key Message: Clear roles and shared responsibility are essential for effective AI governance



Students & Parents

- Use AI tools responsibly
- Be informed about AI use
- Raise concerns when needed



Key Message: Clear roles and shared responsibility are essential for effective AI governance



Technology Providers

- Design safe and transparent AI systems
- Protect student data and privacy
- Provide support and training

**Policy & Oversight
(Government Authorities)**



**Implementation & Monitoring
(Schools & Teachers)**



**Safe & Ethical AI Use
(Students & Communities)**

Key Message: Clear roles and shared responsibility are essential for effective AI governance



Community & Civil Society

- Support awareness and dialogue
- Promote ethical AI use
- Act as independent observers

**Policy & Oversight
(Government Authorities)**



**Implementation & Monitoring
(Schools & Teachers)**



**Safe & Ethical AI Use
(Students & Communities)**

Key Message: Clear roles and shared responsibility are essential for effective AI governance

SECTION : 5

ETHICS & DATA PRIVACY

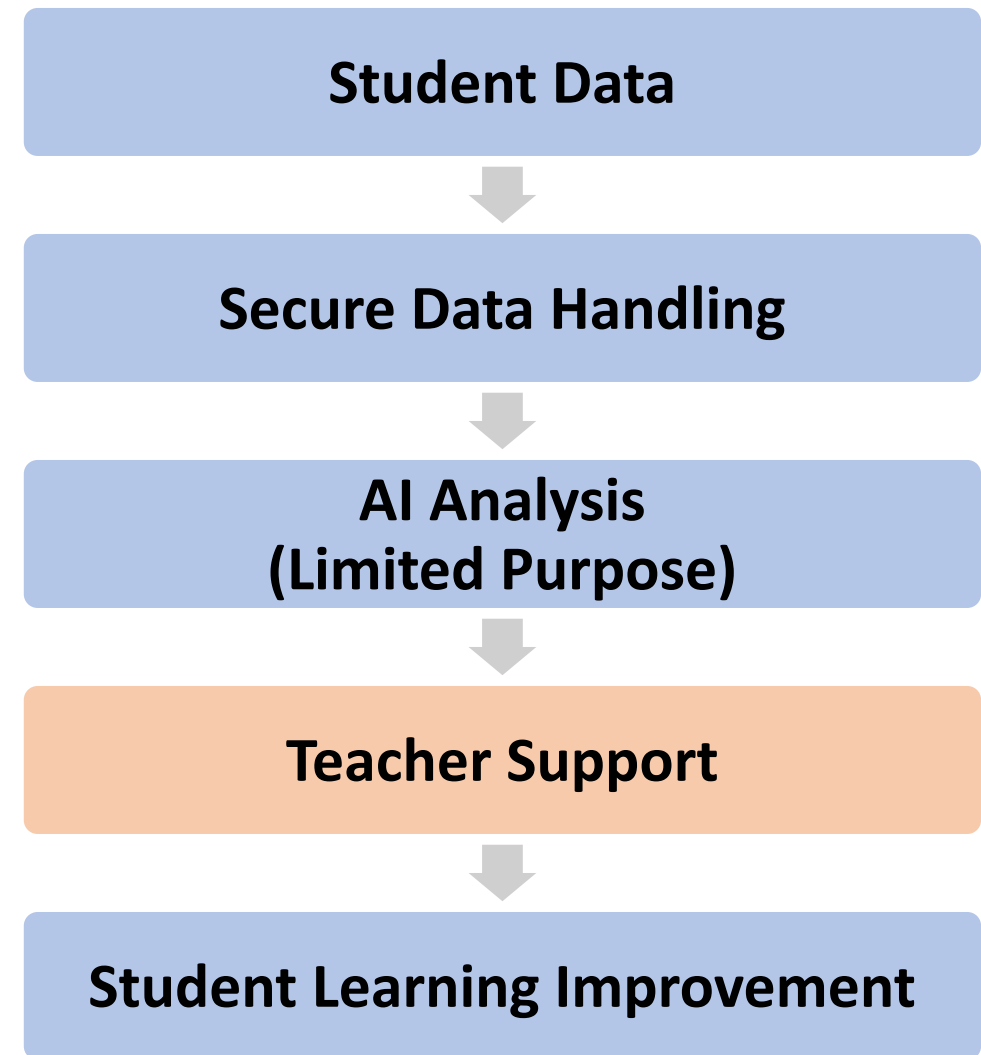


Definition:

Data governance refers to how student data is collected, used, stored, and protected when AI systems are used in schools.

- Collect only necessary student data
- Ensure privacy and confidentiality
- Use data only for educational purposes
- Protect data from misuse and unauthorized access
- Maintain transparency with teachers and parents

Key Message: Good governance turns policy into responsible practice





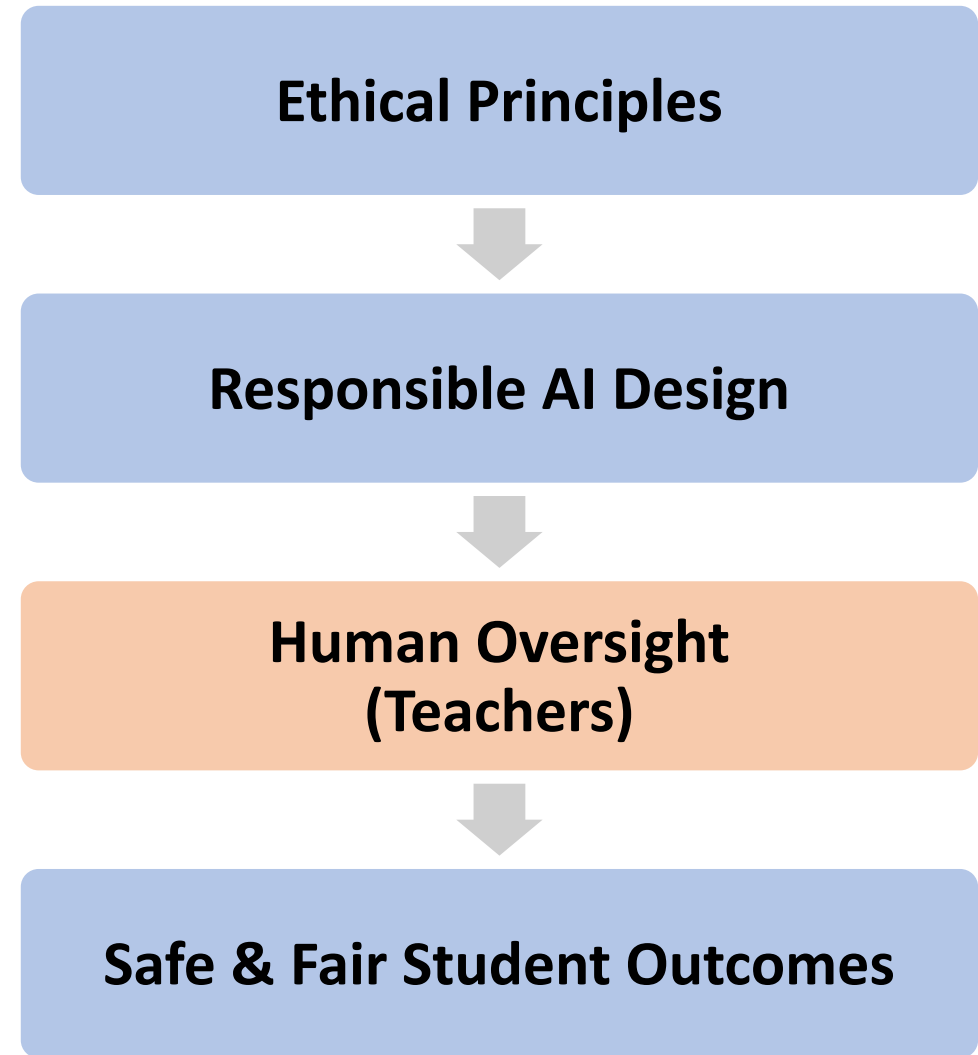
ETHICAL AND RESPONSIBLE USE OF AI IN SCHOOL EDUCATION



Core Idea:

Ethical AI ensures that technology is used fairly, transparently, and in the best interest of students and teachers.

- Fairness and non-discrimination
- Transparency in AI use
- Human oversight and control
- Shared accountability in decision-making
- Student well-being and dignity



Key Message: AI must always support human judgment and protect student well-being

SECTION : 6

GOVERNANCE MODELS & IMPLEMENTATION

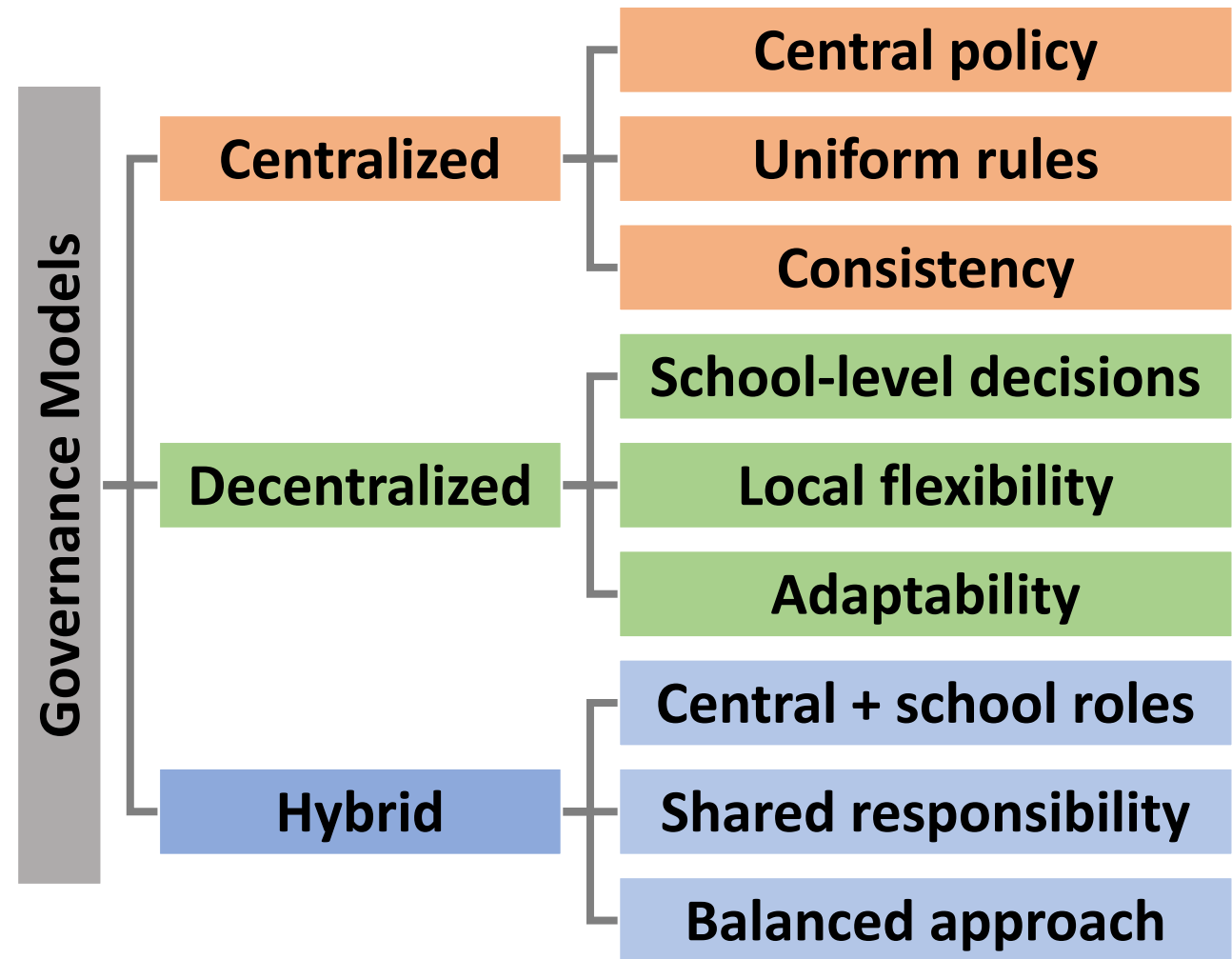


Model Overview:

Different governance models define how responsibilities and decision-making are shared in AI integration.

Governance Models

- Model 1: Centralized Governance
- Model 2: Decentralized Governance
- Model 3: Hybrid Governance



Key Message: A balanced governance model helps schools use AI effectively and responsibly



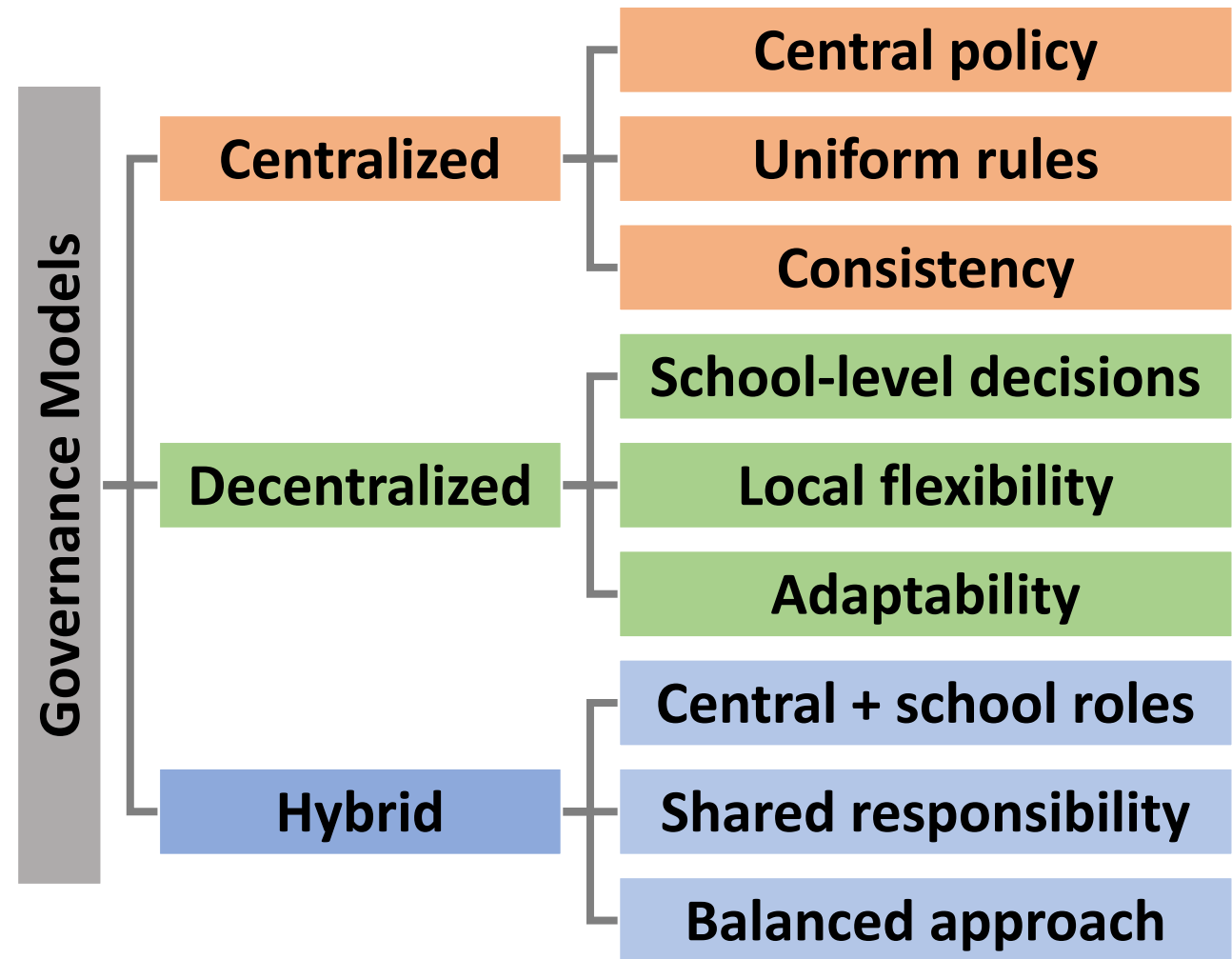
GOVERNANCE MODELS FOR AI INTEGRATION IN SCHOOL EDUCATION

Model Overview:

Different governance models define how responsibilities and decision-making are shared in AI integration.

Model 1: Centralized Governance

- Policies and guidelines set centrally
- Uniform standards across schools
- Large-scale implementation



Key Message: A balanced governance model helps schools use AI effectively and responsibly

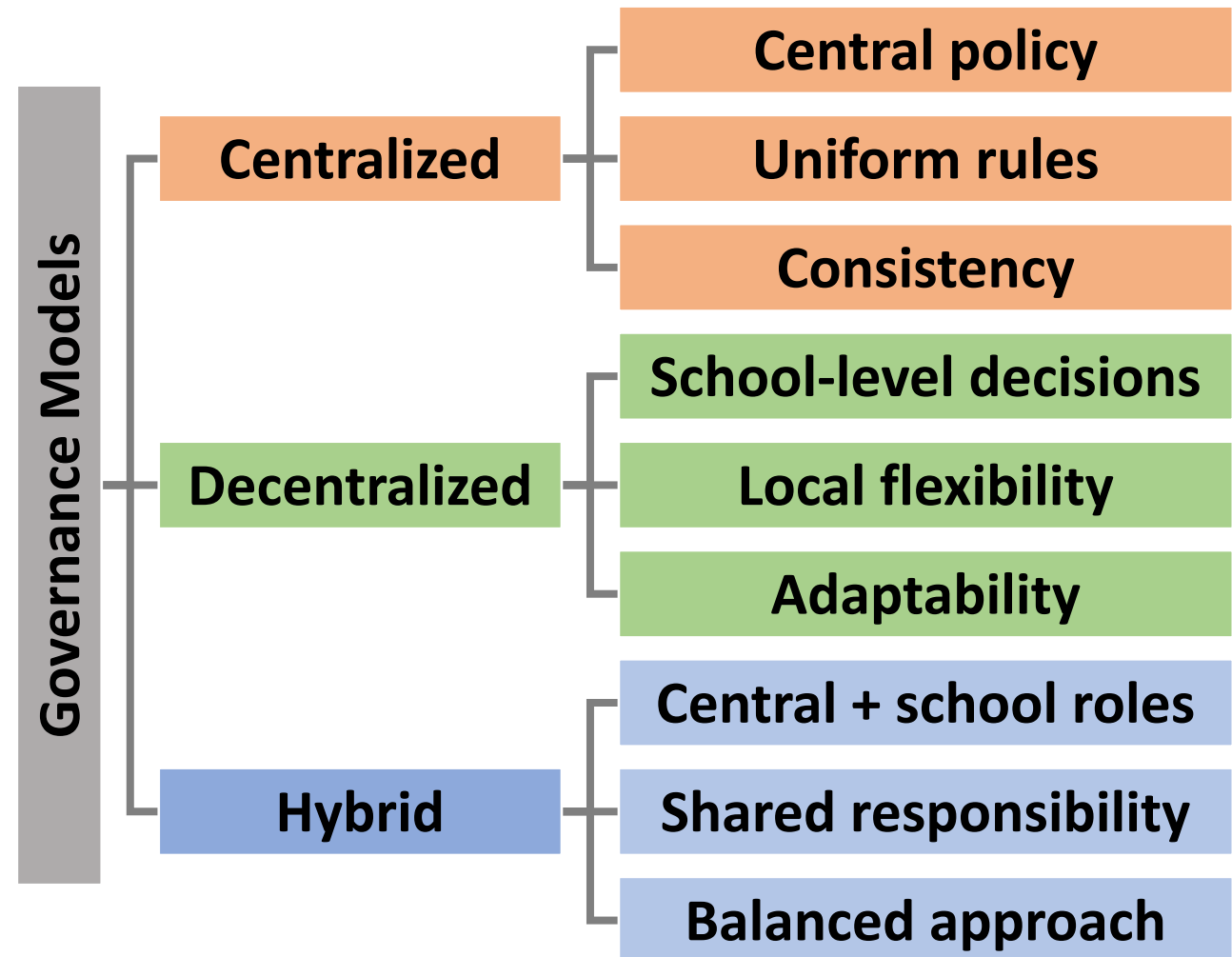


Model Overview:

Different governance models define how responsibilities and decision-making are shared in AI integration.

Model 2: Decentralized Governance

- Schools have autonomy in AI use
- Local needs and contexts considered
- Requires strong school-level capacity



Key Message: A balanced governance model helps schools use AI effectively and responsibly

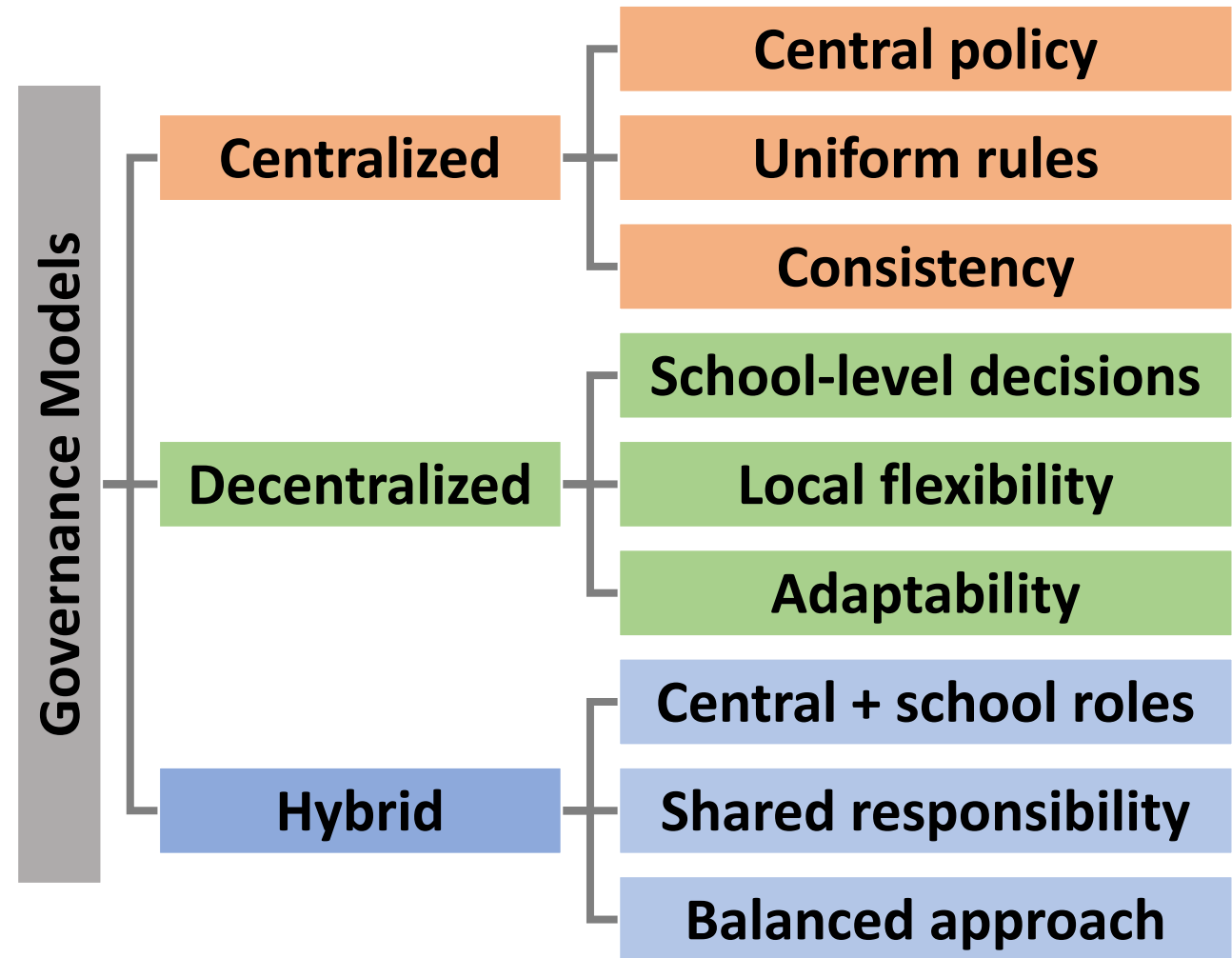


Model Overview:

Different governance models define how responsibilities and decision-making are shared in AI integration.

Model 3: Hybrid Governance

- Central guidelines with local flexibility
- Shared decision-making
- Balanced and most practical approach



Key Message: A balanced governance model helps schools use AI effectively and responsibly



STEP-BY-STEP ROADMAP FOR AI INTEGRATION IN SCHOOLS



Core Idea:

AI integration in schools should be gradual, guided, and responsible.

Step 1: Awareness and Readiness

- Build basic awareness about AI among teachers and staff
- Identify learning challenges and school needs
- Assess digital readiness and available resources

Step 1 : Awareness

Step 2 : Policy Alignment

Step 3 : Capacity Building

Step 4 : Pilot Implementation

Step 5 : Review & Scale

Key Message: Responsible AI integration is a journey, not a one-time activity



STEP-BY-STEP ROADMAP FOR AI INTEGRATION IN SCHOOLS



Core Idea:

AI integration in schools should be gradual, guided, and responsible.

Step 2: Policy Alignment

- Refer to national and institutional guidelines
- Define acceptable and responsible AI use
- Ensure alignment with ethical and privacy principles

Step 1 : Awareness

Step 2 : Policy Alignment

Step 3 : Capacity Building

Step 4 : Pilot Implementation

Step 5 : Review & Scale

Key Message: Responsible AI integration is a journey, not a one-time activity



STEP-BY-STEP ROADMAP FOR AI INTEGRATION IN SCHOOLS



Core Idea:

AI integration in schools should be gradual, guided, and responsible.

Step 3: Capacity Building

- Train teachers on AI-enabled tools and practices
- Develop basic digital and AI literacy
- Encourage continuous professional development

Step 1 : Awareness

Step 2 : Policy Alignment

Step 3 : Capacity Building

Step 4 : Pilot Implementation

Step 5 : Review & Scale

Key Message: Responsible AI integration is a journey, not a one-time activity



STEP-BY-STEP ROADMAP FOR AI INTEGRATION IN SCHOOLS



Core Idea:

AI integration in schools should be gradual, guided, and responsible.

Step 4: Pilot Implementation

- Start with small, low-risk AI use cases
- Use AI strictly as a support tool for teachers
- Monitor usage and learning outcomes closely

Step 1 : Awareness

Step 2 : Policy Alignment

Step 3 : Capacity Building

Step 4 : Pilot Implementation

Step 5 : Review & Scale

Key Message: Responsible AI integration is a journey, not a one-time activity



STEP-BY-STEP ROADMAP FOR AI INTEGRATION IN SCHOOLS



Core Idea:

AI integration in schools should be gradual, guided, and responsible.

Step 5: Review and Scale

- Evaluate impact on teaching and learning
- Identify challenges and areas for improvement
- Gradually scale successful practices

Step 1 : Awareness

Step 2 : Policy Alignment

Step 3 : Capacity Building

Step 4 : Pilot Implementation

Step 5 : Review & Scale

Key Message: Responsible AI integration is a journey, not a one-time activity

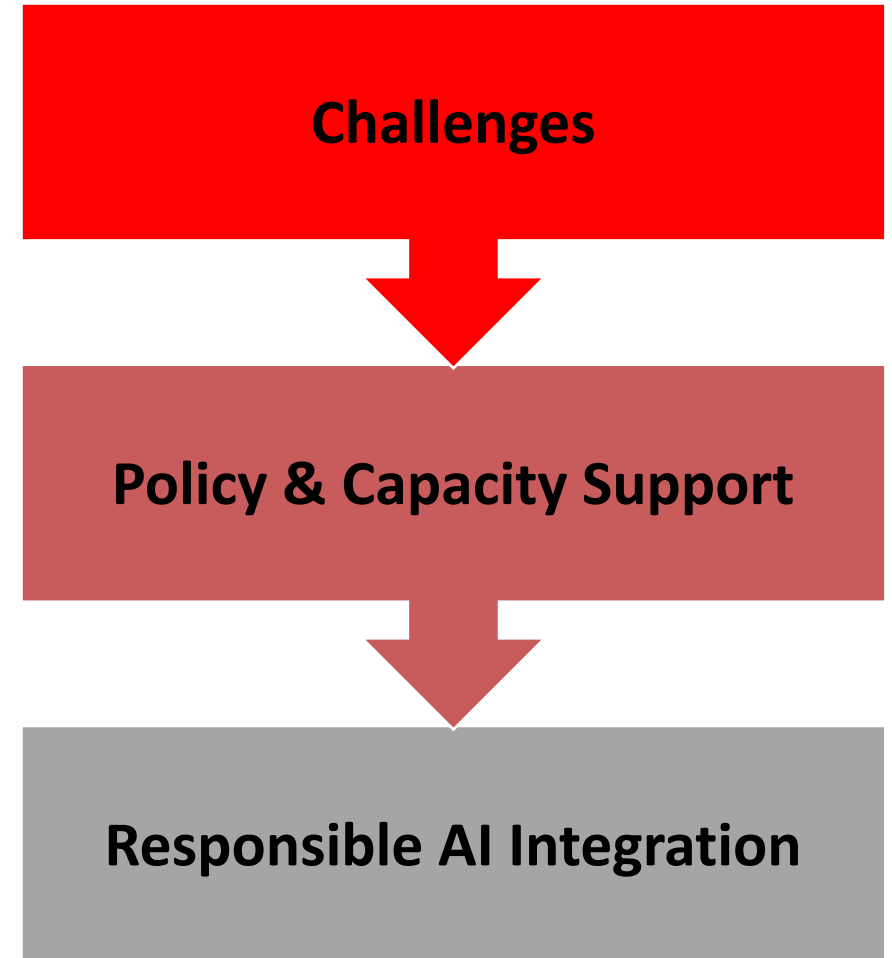


Challenges → Possible Mitigation

Challenge 1: Limited Awareness and Understanding

Mitigation:

- Conduct basic AI awareness programs
- Use simple, non-technical explanations
- Share good practices and examples



Key Message: Challenges can be addressed through planning, training, and collaboration

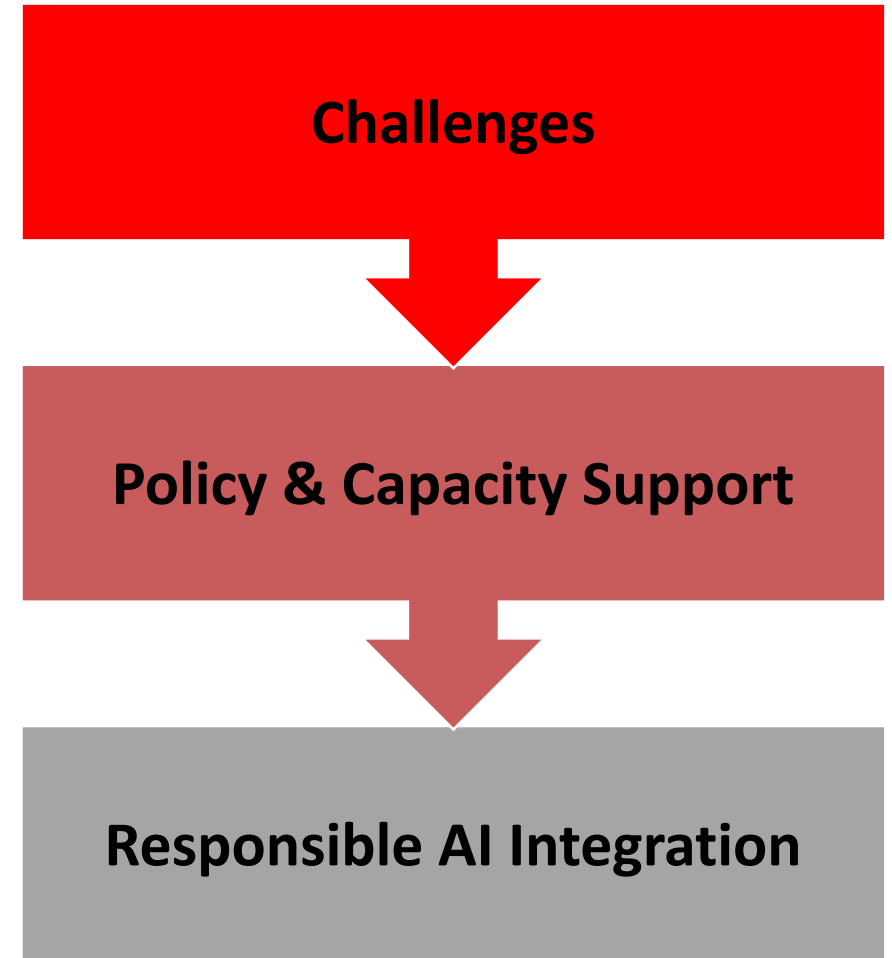


Challenges → Possible Mitigation

Challenge 2: Lack of Teacher Training

Mitigation:

- Provide regular capacity-building sessions
- Offer hands-on and practice-based training
- Encourage peer learning and mentoring



Key Message: Challenges can be addressed through planning, training, and collaboration

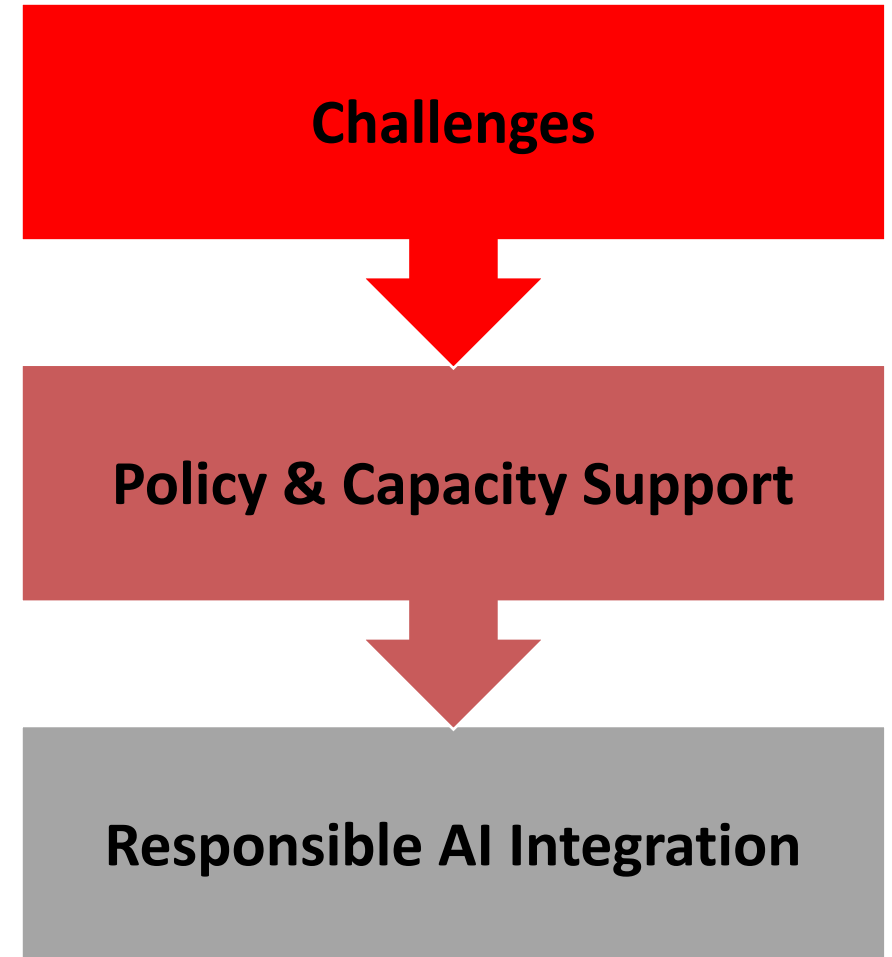


Challenges → Possible Mitigation

Challenge 3: Data Privacy and Security Concerns

Mitigation:

- Follow clear data governance guidelines
- Collect only necessary student data
- Maintain transparency with parents and teachers



Key Message: Challenges can be addressed through planning, training, and collaboration

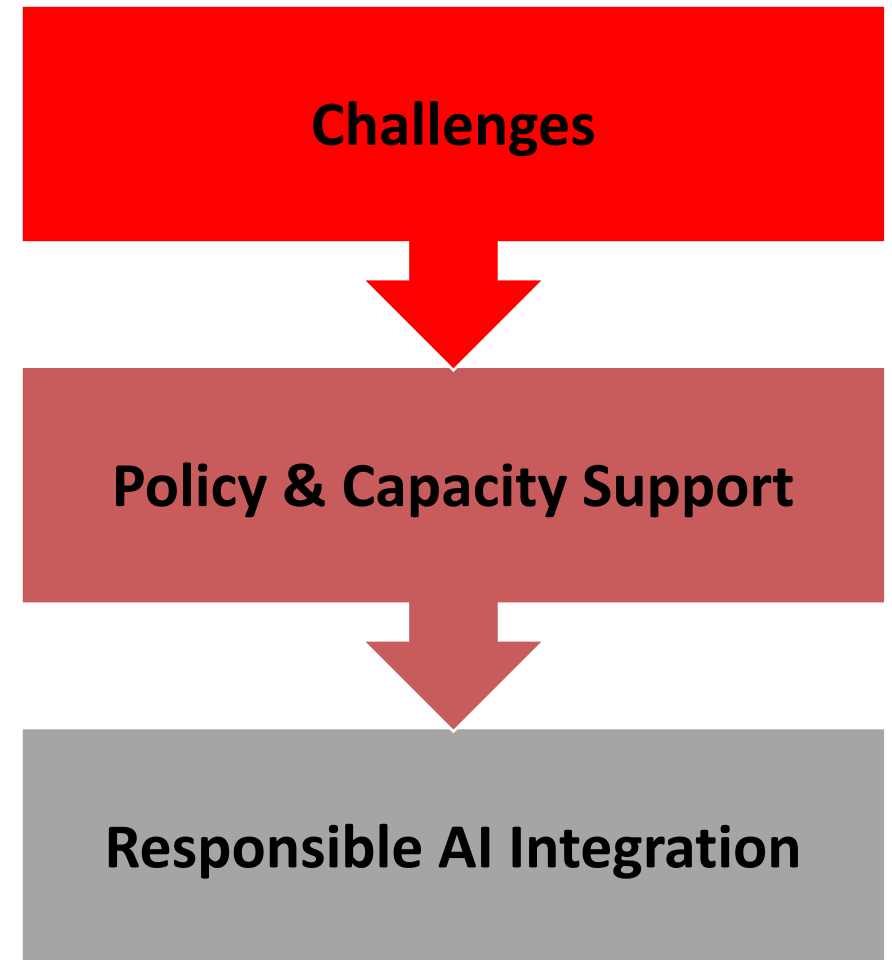


Challenges → Possible Mitigation

Challenge 4: Infrastructure and Resource Gaps

Mitigation:

- Start with low-cost and scalable solutions
- Use existing digital infrastructure effectively
- Plan phased and realistic implementation



Key Message: Challenges can be addressed through planning, training, and collaboration

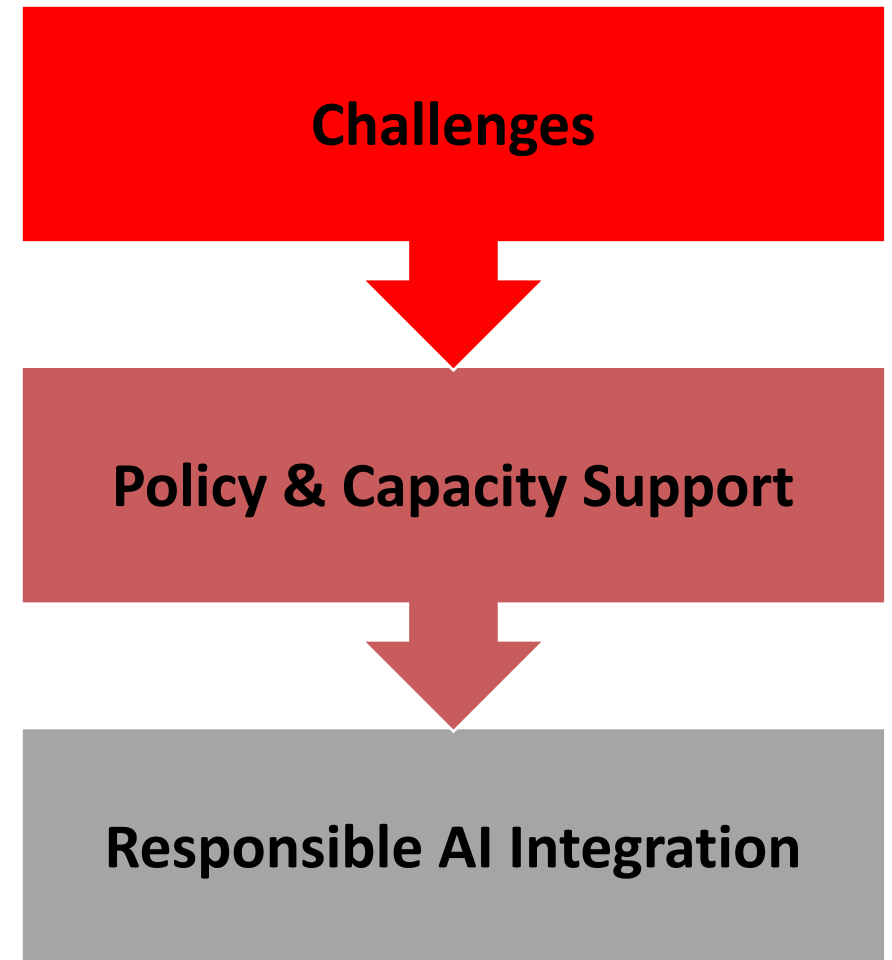


Challenges → Possible Mitigation

Challenge 5: Resistance to Change

Mitigation:

- Involve teachers in decision-making
- Demonstrate benefits through pilot projects
- Build trust through gradual adoption



Key Message: Challenges can be addressed through planning, training, and collaboration

SECTION : 7

TAKEAWAYS & DISCUSSION

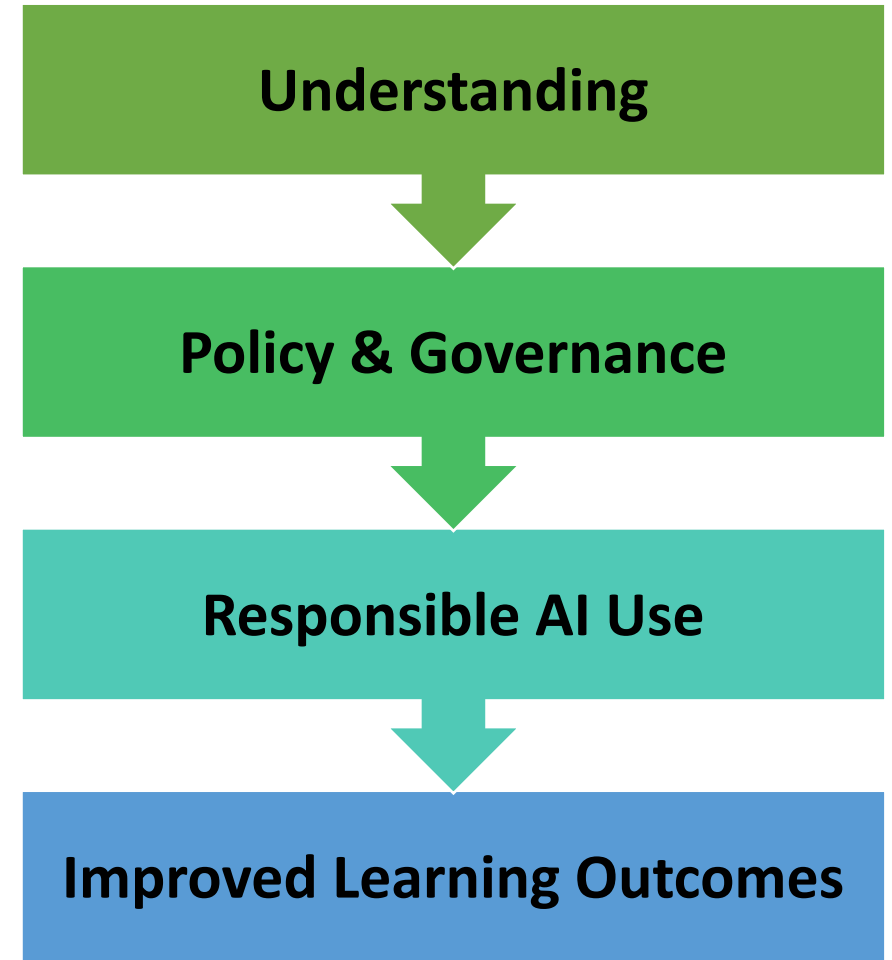


KEY TAKEAWAYS AND WAY FORWARD



Key Takeaways

- AI can support teaching and learning when used responsibly
- Policy frameworks guide safe and ethical AI use in schools
- Governance clarifies roles and shared responsibilities
- Teachers remain central in AI-supported education
- Data privacy and ethics are non-negotiable



Key Message: Responsible and ethical AI integration can strengthen school education for all

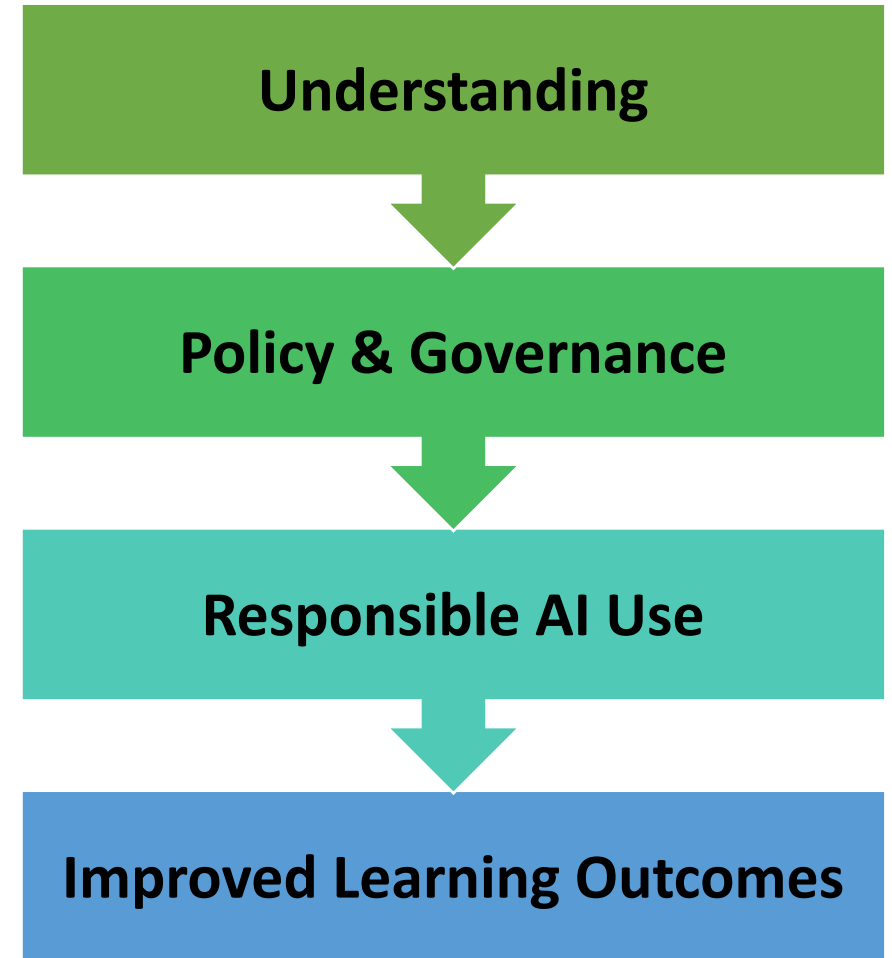


KEY TAKEAWAYS AND WAY FORWARD



Way Forward:

- Build AI awareness and capacity among educators
- Adopt phased and well-governed AI integration
- Encourage collaboration among all stakeholders
- Continuously review and improve AI practices



Key Message: Responsible and ethical AI integration can strengthen school education for all

THANK YOU FOR YOUR ATTENTION AND PARTICIPATION

DISCUSSION AND QUESTIONS

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