
Part 1 – Riona (Host/Narrator)

- "Welcome everyone! We are the Rising Stars, on a quest to solve an ancient mystery impacting our world: the secret behind pollution from artificial dyes!"
- "This year's theme is UNEARTHED, so we decided to dig into how people made colors long ago and what that means for our future."
- (After the team shouts) "First, meet our color detectives: scientists, historians, and even an AI model!"
- (Later, after problem scene) "So if today's dyes can be harmful, how did people make colors before factories existed?"
- (Bridge into solution) "So our big question became: how can we help people use natural dyes again, but still keep colors consistent?"
- (Near the end) "From ancient rocks and snails to modern AI and phones, we unearthed that the past can inspire cleaner technology today."
- ALL: "Thank you, and let's make our world colorful—naturally and safely!"
- Stage notes: Stand near the center, introduce scenes, and point to the next speaker when you hand off.

Part 2 – Shaivi (Problem Expert)

- "Did you know the dyes in our clothes and food can cause air, water, and soil pollution? Artificial dyes are linked to big health risks like allergies and problems for animals in water."
- "We learned that over 80% of clothes are dyed with synthetic chemicals, and many factories do not clean the water before releasing it."
- ALL: "Thank you, and let's make our world colorful—naturally and safely!"
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Stage notes: Hold up a bright T-shirt or picture; other girls pretend to sneeze or cough around you.

Part 3 – Zoey (Solution Lead)

- “But ancient civilizations had tricks for making safe, beautiful colors! Let us show you what we unearthed.”
- “Today we mostly use artificial dyes because they are cheaper and give the exact same color every time.”
- “But we learned that natural dyes can fade or look different from batch to batch. Companies worry customers will complain if the colors change.”
- “With this kind of tool, factories could switch to natural dyes and still trust that clothes in every store will match.”
- ALL: “Thank you, and let’s make our world colorful—naturally and safely!”
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Stage notes: You help connect the history part to the modern AI solution and stand near the historians.

Part 4 – Saanvi (Egypt + Outcomes)

- “Egyptians made blue dye by crushing minerals like lapis lazuli. It took a lot of work, but the color was special and used for important art and clothing.”
- (Action line) “Imagine hours of grinding rocks just for one jar of blue paint!”
- “Our research showed that natural dyes can reduce toxic chemicals in water and soil, and are kinder to people’s skin.”
- “We also found examples of small companies already using natural dyes, but they struggle to scale up. AI could help them grow.”
- ALL: “Thank you, and let’s make our world colorful—naturally and safely!”
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Stage notes: Hold a blue scarf or picture, mime grinding stones, then later step forward again for the results lines.

Part 5 – Saumya (Indus + China + Recommendations)

- “In the Indus Valley, people used plants like indigo leaves for deep blues and greens. In China and Mesoamerica, they mixed plants, minerals, and insects to create strong reds.”
- “They experimented a lot, just like we do in science class, to get colors that would not wash away.”
- “We recommend that clothing brands experiment with natural dyes plus AI color checking in small product lines first.”
- “We also want schools and makerspaces to try natural dye kits, so more kids learn that chemistry and history can work together.”
- ALL: “Thank you, and let’s make our world colorful—naturally and safely!”
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Stage notes: Hold green and red props; pretend to stir a pot or dip cloth, then move to front for the recommendation lines.

Part 6 – Girisha (Greece + AI Trainer)

- “Ancient Greeks used a special sea snail to make purple dye. It smelled terrible, but the color was so rare that only rich or powerful people could wear it.”
- “We had an idea: what if we use Artificial Intelligence to help makers check their colors quickly? AI is good at spotting tiny differences in images.”
- (Demo trainer line) “Trainer mode: I show the AI many photos of the perfect green.”
- ALL: “Thank you, and let’s make our world colorful—naturally and safely!”
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Stage notes: Hold something purple; react to the “smelly snail” with a funny face. For the AI part, pretend to show photos to Riya.

Part 7 – Riya (AI Model + Conclusion)

- “We designed a simple system using cameras and Android phones. People can take pictures of dyed fabric, and the AI compares the color to a ‘perfect’ target color.”
- “If the color is too light or too dark, the AI gives feedback, like ‘add more dye’ or ‘change the time.’ That helps make natural dyes more predictable.”
- (Demo model line) “Now test mode: this fabric is close, but a little too yellow. Adjust the recipe!”
- “In the future, our idea could connect to factory machines to automatically adjust dye time or temperature. That means less waste, less pollution, and more safe, beautiful colors.”
- ALL: “Thank you, and let’s make our world colorful—naturally and safely!”
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Stage notes: Stand as the “AI,” maybe with a phone or card; during the demo, react like a robot giving feedback.
