

Computer Science & Engineering

1. **Smart Home App:** Control home devices via phone.
2. **AI Chatbot:** Build a question-answering bot.
3. **Blockchain Voting:** Secure voting system.
4. **AR Learning Tool:** Educational AR app.
5. **IoT Garden:** Monitor plants remotely.
6. **Cybersecurity App:** Threat detection tool.
7. **Finance Tracker:** Manage personal finance.
8. **ML Predictor:** Trend prediction model.
9. **Traffic Monitor:** Real-time traffic analysis.
10. **Health Wearable:** Track health metrics.

Electrical & Electronics Engineering

11. **Solar Charger:** Solar-powered charging station.
12. **Smart Traffic Lights:** Adaptive traffic lights.
13. **Home Security:** Cameras and sensors system.
14. **Wireless Power:** Power transfer without wires.
15. **Robotic Arm:** Automated arm for tasks.
16. **Smart Grid:** Efficient power distribution.
17. **Energy-Efficient Lights:** Lights adjusting with natural light.
18. **Automated Irrigation:** Smart watering system.
19. **ECG Monitor:** Portable heart monitor.
20. **Voice Automation:** Voice-controlled devices.

Mechanical Engineering

21. **Hydraulic Lift:** Lift for heavy objects.
22. **Delivery Drone:** Drone for packages.
23. **3D-Printed Prosthetics:** Custom prosthetics.
24. **Efficient HVAC:** Improve heating/cooling.
25. **Smart Bike Lock:** Bluetooth-enabled lock.
26. **Robotic Cleaner:** Automated cleaning robot.
27. **Self-Balancing Robot:** Upright robot.
28. **Wind Turbine:** Efficient wind turbine design.
29. **Suspension System:** Improved vehicle suspension.
30. **Manufacturing Automation:** Automate production.

Biotechnology

31. **Gene Editor:** Tool for gene editing.
32. **Disease Sensor:** Detect diseases with sensors.

33. **Bioinformatics Software:** Analyze biological data.
34. **Lab-on-a-Chip:** Multiple tests on one chip.
35. **Synthetic Biology:** Create engineered organisms.
36. **Personalized Medicine:** Custom treatment plans.
37. **Biodegradable Materials:** Eco-friendly materials.
38. **Protein Folding:** Study protein folding.
39. **Genetic Analysis:** Tools for genetic data.
40. **Cell Culturing:** Grow cells effectively.

Civil Engineering

41. **Sustainable Building:** Eco-friendly building design.
42. **Smart Traffic Management:** Tech for traffic control.
43. **Flood Management:** Predict and manage floods.
44. **Energy-Efficient Materials:** Save energy with materials.
45. **Water Distribution:** Optimize water supply.
46. **Seismic Design:** Earthquake-resistant buildings.
47. **Waste Management:** Improve waste handling.
48. **Automated Surveying:** Land surveying automation.
49. **Green Roof:** Vegetation-covered roofs.
50. **Urban Heat Reduction:** Reduce city heat.

Environmental Engineering

51. **Air Quality Monitor:** Track air pollution.
52. **Water Purifier:** Clean contaminated water.
53. **Renewable Energy:** Integrate green energy.
54. **Waste-to-Energy:** Convert waste into energy.
55. **Soil Erosion Control:** Prevent soil loss.
56. **Climate Impact:** Assess climate change effects.
57. **Energy-Efficient Retrofit:** Upgrade buildings for efficiency.
58. **Sustainable Farming:** Eco-friendly agriculture.
59. **Marine Pollution:** Manage ocean pollution.
60. **Water Management:** Efficient water use.

Chemical Engineering

61. **Chemical Process:** Improve production methods.
62. **Alternative Fuels:** Develop renewable fuels.
63. **Waste Management:** Handle chemical waste.
64. **Catalysts:** Create chemical catalysts.
65. **Water Treatment:** Enhance purification methods.
66. **Drug Delivery:** Targeted drug release.
67. **Biofuel:** Fuel from algae.

- 68. **Nanomaterials:** Use nanotech for cleanup.
- 69. **Chemical Sensors:** Detect chemicals.
- 70. **Energy Storage:** Research storage materials.

Aerospace Engineering

- 71. **Spacecraft Navigation:** Autonomous spacecraft guidance.
- 72. **Propulsion Systems:** Advanced propulsion tech.
- 73. **Space Habitats:** Design space living spaces.
- 74. **Rocket Optimization:** Improve rocket launches.
- 75. **Agricultural Drone:** Monitor farms.
- 76. **Space Debris Tracker:** Track space debris.
- 77. **Aircraft Design:** Enhance aircraft performance.
- 78. **Reusable Rockets:** Rockets for multiple uses.
- 79. **Aerodynamics Testing:** Study airflow.
- 80. **Satellite Communication:** Improve satellite systems.

Biomedical Engineering

- 81. **Health Tracker:** Wearable health monitor.
- 82. **Medical Imaging:** Advanced imaging tools.
- 83. **Assistive Devices:** Help for disabilities.
- 84. **Robotic Surgery:** Surgical robots.
- 85. **Biocompatible Implants:** Safe implants.
- 86. **Telemedicine:** Remote medical consultations.
- 87. **Drug Delivery:** Controlled drug release.
- 88. **Rehabilitation Robots:** Aid recovery.
- 89. **Biofeedback:** Monitor physiological states.
- 90. **Advanced Prosthetics:** Enhanced prosthetic limbs.

Materials Science

- 91. **Smart Fabrics:** Textiles with tech.
- 92. **Strong Nanomaterials:** High-strength materials.
- 93. **Self-Healing Materials:** Materials that repair.
- 94. **Composite Materials:** Enhanced materials.
- 95. **Conductive Polymers:** Polymers that conduct electricity.
- 96. **Eco-Packaging:** Biodegradable packaging.
- 97. **Thermal Management:** Heat management for electronics.
- 98. **Durable Coatings:** Protective coatings.
- 99. **Bio-Inspired Materials:** Nature-inspired materials.
- 100. **Transparent Conductors:** Transparent, conductive materials.

Physics

101. **Quantum Computing:** Simulate quantum systems.
102. **Particle Accelerator:** Improve accelerators.
103. **Optical Communication:** Light-based communication.
104. **Gravitational Waves:** Study gravitational waves.
105. **High-Energy Physics:** High-energy particle studies.
106. **Solar Cells:** Better solar panels.
107. **Space Thermodynamics:** Heat management in space.
108. **Acoustic Waves:** Use sound waves.
109. **Nanophotonics:** Light at nanoscale.
110. **Tidal Energy:** Use ocean tides for power.

Mathematics & Statistics

111. **Healthcare Analytics:** Predict health outcomes.
112. **Cryptography:** Develop encryption methods.
113. **Logistics Optimization:** Improve supply chains.
114. **Financial Forecasting:** Predict financial trends.
115. **Image Recognition:** Classify images with ML.
116. **Game Theory:** Apply to economics.
117. **Automated Trading:** Trading systems.
118. **Data Visualization:** Visualize complex data.
119. **Biological Modeling:** Math for biology.
120. **Geometric Analysis:** Solve geometric problems.

Chemistry

121. **Green Chemistry:** Eco-friendly processes.
122. **Reaction Optimization:** Improve chemical reactions.
123. **Organic Synthesis:** New compound pathways.
124. **Environmental Impact:** Study chemical effects.
125. **Nanocatalysts:** Catalysts at nanoscale.
126. **Pharmaceutical Chemistry:** Design new drugs.
127. **Environmental Sensors:** Detect pollutants.
128. **Biochemical Analysis:** Study biochemical pathways.
129. **Energy Storage:** Research storage methods.
130. **Water Purification:** Better purification techniques.

Environmental Science

131. **Climate Strategies:** Mitigate climate change.
132. **Ecosystem Restoration:** Restore ecosystems.
133. **Urban Planning:** Sustainable city planning.
134. **Waste Reduction:** Reduce waste.
135. **Biodiversity Monitoring:** Track biodiversity.

- 136. **Green Energy:** Alternative energy solutions.
- 137. **Soil Health:** Improve soil quality.
- 138. **Air Quality:** Improve air quality.
- 139. **Marine Conservation:** Protect marine life.
- 140. **Water Management:** Manage water resources.

Astronomy & Astrophysics

- 141. **Stellar Models:** Study star life cycles.
- 142. **Exoplanet Detection:** Find exoplanets.
- 143. **Space Weather:** Predict space weather.
- 144. **Galaxy Structure:** Study galaxy formation.
- 145. **Astrobiology:** Search for extraterrestrial life.
- 146. **Cosmic Background:** Study early universe light.
- 147. **Telescope Design:** Improve telescopes.
- 148. **Dark Matter:** Research dark matter.
- 149. **Gravitational Lensing:** Light bending by gravity.
- 150. **Planetary Atmospheres:** Model other planet atmospheres.

Robotics

- 151. **Search Robots:** For emergencies.
- 152. **Exoskeletons:** Wearable assistive devices.
- 153. **Hazard Robots:** For dangerous environments.
- 154. **AI Robots:** Robots with AI.
- 155. **Agri-Robots:** Automate farming.
- 156. **Humanoid Robots:** Mimic human movement.
- 157. **Underwater Robots:** Explore underwater.
- 158. **Autonomous Vehicles:** Self-driving cars.
- 159. **Industrial Robots:** Automate manufacturing.
- 160. **Surgical Robots:** For surgery tasks.

Engineering Design

- 161. **Modular Buildings:** Flexible building designs.
- 162. **Smart Infrastructure:** Tech for cities.
- 163. **Efficient Transport:** Improve transport energy.
- 164. **Construction Materials:** New building materials.
- 165. **Warehouse Automation:** Automate warehousing.
- 166. **Water Filtration:** Better filtration systems.
- 167. **Hazardous Robots:** Handle dangerous materials.
- 168. **Green Buildings:** Sustainable designs.
- 169. **Traffic Systems:** Adaptive traffic solutions.
- 170. **Energy Harvesting:** Capture energy from sources.

Geology

- 171. **Earthquake Prediction:** Forecast earthquakes.
- 172. **Volcano Monitoring:** Predict volcanic eruptions.
- 173. **Soil Erosion:** Control soil erosion.
- 174. **Mineral Mapping:** Locate minerals.
- 175. **Climate Impact:** Study climate on geology.
- 176. **Hydrology:** Water flow analysis.
- 177. **Geophysical Surveys:** Study Earth's properties.
- 178. **Coastal Erosion:** Manage coastal erosion.
- 179. **Geological Hazards:** Assess geological risks.
- 180. **Fossil Fuels:** Research alternatives.

Mathematics & Computer Science

- 181. **Data Compression:** Optimize storage.
- 182. **Cryptography:** Secure data.
- 183. **Supply Chain:** Improve logistics.
- 184. **Financial Models:** Forecast finances.
- 185. **System Simulations:** Simulate complex systems.
- 186. **Network Security:** Protect networks.
- 187. **Geometric Algorithms:** Solve geometric problems.
- 188. **Data Visualization:** Analyze data.
- 189. **NLP:** Understand language.
- 190. **AI Games:** Enhance video games.

Engineering and Robotics

- 191. **Biomimicry Robots:** Robots inspired by nature.
- 192. **Surgical Robots:** Assist with surgery.
- 193. **Manufacturing Robots:** Automate production.
- 194. **Space Robots:** For space missions.
- 195. **Human-Robot Interaction:** Improve cooperation.
- 196. **Environmental Robots:** Track environmental changes.
- 197. **Disaster Robots:** For disaster response.
- 198. **Healthcare Robots:** Medical applications.
- 199. **Robotic Control:** Enhance control systems.
- 200. **Service Robots:** Automate service tasks.