Areas of AICTE Training And Learning (ATAL) Academy FDP’s

**Thrust Areas**

1. Artificial Intelligence
2. Internet of Things (IoT)
3. Block chain
4. Robotics
5. Quantum Computing
6. Data Sciences
7. Cyber Security
8. 3D Printing & Design
9. Augmented Reality (AR)/ Virtual Reality (VR)

**Engineering:**

1. Systems Engineering
2. Sustainability Engineering
3. Computer Science & Biology
4. Energy Engineering
5. Green Technology & Sustainability Engineering
6. Electrical & Computer Engineering
7. Strategic Civil Infrastructure
8. Coastal & Offshore Engineering
9. Smart Cities
10. Waste Technology
11. GIS & Remote Sensing
12. Construction Technology
13. Engineering Law
14. Climate Sciences
15. Mining & Mineral Processing
16. Underground Space Utilization
17. Biosimilar Technology
18. Genome Engineering & Technology
19. Precision Health Technology
20. Control Systems & Sensors Technology
21. Infrastructure Engineering
22. Environmental Geo-technology
23. Earthquake Engineering
24. Waterways Transport Engineering
25. Lean Construction Technology
26. Aqua-food technology
27. Organ Printing Technology
28. Nutrition Technology
29. Drug Engineering
30. Cellular Agriculture
31. Sensors Technology
32. Electric Vehicles
33. Energy Storage
34. Magnetic Levitation
35. Photonics
36. Low cost desalination
37. Ontogenetic
38. Wearable Devices
39. Gamification
40. Telemedicine
41. Molecular Manufacturing
42. Alternate Fuels
43. Real Time Translation
44. Synthetic Biology
45. Bio-mimetic
46. Novel Materials
47. Lab on Chip
48. Cloud Technology
49. Digital Holography & 3D Imaging
50. Immersive Virtual Reality
51. Human Centre Computing
52. Design Thinking

**Management**

1. Technology Management
2. Real Estate Management
3. Event Management
4. Engineering Management
5. Artificial Intelligence, machine Learning and Deep Learning
6. Innovation Management (Innovation Lab/Incubators/prototype lab-with adequate machinery, 3D printers, for quick prototyping of student business ideas) Consulting
7. Heritage Management
8. Design thinking
9. Operations Management
10. Organizational Management
11. Strategy
12. Social Enterprise Management
13. Sports Management

**Arts & Craft**

1. Sculpture
2. Amination
3. Ceramics
4. Metal Craft
5. Photography
6. Visual Communication
7. Communication Design
8. Illustration
9. Painting
10. Mural
11. Photography & Media Communication
Areas of AICTE Training And Learning (ATAL) Academy FDP’s

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<th>Design &amp; Media</th>
<th>Life Skill Management</th>
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<td>1. Animation Film Design</td>
<td>1. Productivity enhancement</td>
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<td>2. Apparel Design</td>
<td>2. Capacity Building</td>
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<td>3. Ceramic &amp; Glass Design</td>
<td>3. Leadership &amp; Excellence</td>
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<td>4. Design for Retail Experience</td>
<td>4. Emotional Intelligence</td>
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<td>5. Digital Game Design</td>
<td>5. Team-building and Coordination</td>
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<td>6. Film and Video Communication</td>
<td>6. Perception &amp; Decision making</td>
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<td>7. Furniture and Interior Design</td>
<td>7. Training for Social Connectedness &amp; Inspiration</td>
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<td>8. Graphic Design</td>
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<td>9. Information Design</td>
<td>8. Personal Effectiveness</td>
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<td>11. Lifestyle Accessory Design</td>
<td>10. ROAD - Response Effectiveness, Organising Self, Attitudinal Shift, Decision Making</td>
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<td>12. New Media Design</td>
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<td>13. Photography Design</td>
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<td>14. Product Design</td>
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<td>15. Textile Design</td>
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<td>17. Transportation &amp; Automobile Design</td>
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<td>19. Fashion Communication</td>
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