

All India Council for Technical Education



Training and Learning Bureau

ATAL ACADEMY

Faculty Development Programmes (FDPs)

SCHEME DOCUMENT 2023-24



1. FORWARD

The field of higher education is currently undergoing a transformative phase in order to adapt to global trends. The National Education Policy (NEP) of 2020 serves as a guiding light for this transformative journey. The community of quality teachers holds great potential in driving these changes and plays a crucial role in the development, sharing, and dissemination of knowledge. In the present scenario, with disruptive technological advancements, the role of higher education teachers has become more important than ever before. NEP-2020 aims to empower these teachers by providing them with capacity building training and workshops, enabling them to identify, define, and implement the necessary changes. Without the active involvement of a competent body of quality higher education teachers, the vision of achieving the status of a global knowledge leader, known as Vishwa Guru, cannot be realized.

In a world characterized by rapid change, complexity, and uncertainty, the skills of the past are no longer sufficient for today or tomorrow. Technological advancements have multiplied since the time of the Industrial Revolution, and social change along with demographic diversity has given rise to a multitude of innovative thinkers. Each new generation faces a world that is changing faster than ever before. In addition to digitalization, other significant megatrends such as globalization, sustainability, and automation are shaping our society. The COVID-19 pandemic has further accelerated change in all aspects of work and life. In light of these developments, the skills required for Education 4.0 go beyond mere digital proficiency. They encompass complex problem-solving, critical thinking, creativity, people management, teamwork and collaboration, emotional intelligence, judgment and decision-making, service orientation, negotiation, project management, cognitive flexibility, and motivation. It is through a faculty that possesses these diverse and energized skills that the foundation for Education 4.0 is built.

2. FACULTY DEVELOPMENT PROGRAMMES (FDPs)

The objective of **AICTE's Training and Learning (ATAL)** is to impart quality training through **Faculty Development Programmes (FDPs)** for Postgraduate students, Research scholars and Faculty members so that:

The faculty:

- have a sound domain knowledge and associated skills set to apply in real life with industry connect.
- are equipped with Institutional Leadership skills for academic leadership.
- are understanding their roles in community wellbeing, national building and also their own career development.
- made ready with pedagogy-requisite teaching skills for instructional delivery.
- can effectively communicate knowledge and skill sets to the students in an efficient manner and their teaching-learning effectiveness is assessed

The students:

- are motivated and fascinated to acquire knowledge and life skills.

- understand their roles in community wellbeing, national building and also their own career development

AICTE approved institutions can conduct Faculty Development Programmes in offline mode under the following categories:

➤ **ATAL Technical FDPS**

- **Emerging and Core areas** of Engineering, Technology, Management, Architecture, Town planning, Hotel Management & Catering, and Computer Application.
- **PM Gati Shakti**
- **Semiconductor Design & Development**
- Through **AICTE IDEA Lab** (Only for Institutions who established IDEA Labs under Grant-in-Aid from AICTE)

➤ **ATAL Non-Technical FDPS**

- **Indian Knowledge System (IKS)**
- **Universal Human Values (UHV)**

Further, three types of FDPs could be conducted under technical categories i.e., BASIC, ADVANCED and LEADERSHIP FDPS.

2.1. ATAL TECHNICAL FDPS

2.1.1. ATAL BASIC FDPS

2.1.1. (i) What will be taught

- Emerging/Core subject area domain knowledge/content
- Applied knowledge/Lab practical related to the content
- Research Avenues/Industrial emerging trends
- Analysis & reflection of 2 quality research journal articles on the topic
- Related Pedagogical approaches including technology integration
- Comprehensive assessment/evaluation designing (theory & practical)
- One of the sessions should be on any of the four categories:
 - a) National Education Policy (NEP) 2020 Implementation
 - b) Indian values & ethos, Classroom conduct & behaviour (teaching learning psychology)
 - c) Life Skills such as time and stress management (more may be added)
 - d) Research Methodology

2.1.1. (ii) Target Group

Assistant Professors/Associate Professor/Ph.D. scholar's/PG students

Min/Max Limit- 30/50 participants from the Higher Education Institutions/ Industries.

***For the North-East region, Jammu, Kashmir, Ladakh and Andaman & Nicobar Islands, the Min / Max Limit is 20/50.**

Mode: - In house (offline) for both theory and practical/labs/ experiential learning.

At least 1 industrial visit to nearby Institute of National Importance/ IoE/prominent multidisciplinary university/CSIR or DST labs/Training Institute/Incubation centers/MSME centers/ Studios/Smart classroom facilities, etc.

- Explain the importance of the topic, suggest study, review of 2 research journal articles on the topic.
- Deliver Concepts of applications/emerging trends
- Share real-world applications of the topic
- Ask topical questions at the beginning of the session (rotate)
- Ask key takeaways at the end of session for understanding – all
- Conduct short polls or voting
- Form small groups to discuss and report back to the class
- Invite guest speakers from the industry/corporate/research labs for sharing their broader perspectives.

2.1.1. (iii) Session and pedagogy planning:

Duration- Six days (Monday to Saturday)

- 25 hours of teaching in ten equal sessions.
- 5 hours of practical/labs/ experiential learning sessions of one hour each.
- 4 hours of article discussion of one hour each.
- 3 hours, each for MCQs, reflective journal and feedback.
- 3.5 hours for Industrial visit

2.1.1. (iv) Better FDP Attendance –

Maximum 50 attendees per FDP. Nomination by a college principal/director for better accountability to attend the registered FDPs.

2.1.1. (v) Pedagogy -

Collaborative, Experiential, and Outcome Based Teaching and Learning based live Sessions, Case Studies, Presentation, Videos, Research journals/article review discussions, debates, Presentation, Videos, labs, etc.

- Require **2 relevant state-of-the-art articles/case studies** identified by the FDP Coordinator at the time of submitting proposal.
- Experts from relevant industries should mandatorily handle at least one session.
- Sessions by overseas subject matter experts if included in sessions would have higher weightage.
- **Coordinator should form Teams** (5-6 members per team) from the registered attendees by Session 1.
- All teams read, discuss, and summarize their findings from the article.
- Individually, complete a Reflective journal with a focus on implementation of learnings.

Continuous Comprehensive Assessment of Candidates shall be carried out and certificate would be issued up on achieving at least 70% to receive over all in following aspects in the weightage mentioned below.

- Attendance – minimum 80% attendance - (individual)- weightage 20%
- One assessment, - combination of MCQs/short answer type/reasoning based, etc. - (Individual) - weightage 10%
- 2 Page Article Summary/per Team - (Team & Individual)- - weightage 30%
- Teaching Practice -(Individual)-weightage 15 %
- Report/outcome of Industrial visit- (Team) at the last session -weightage 10%
- Reflective journal - (Individual) - at the last session -weightage 15%

2.1.1. (vi) Expected Outcome: -

Comprehensive faculty training in the specific emerging/core subject area, Curriculum development and updating, understanding & practice of pedagogy.

2.1.2. ATAL ADVANCED FDPs

2.1.2. (i) Objective: -

Formation of a team (by inter-discipline, e.g., Civil/Mechanical/ Automobile/ Metallurgy/ Management etc.) by the coordinator.

- Assign a research topic/problem statement/application in the specific discipline from emerging areas & share among team of faculty members.
- Explain the importance of the topic, suggest study, review of 3-4 research journals/articles on the topic.
- Deliver Concepts of applications/emerging trends
- Share real-world applications of the topic.
- Ask topical questions at the beginning of the session (rotate).
- Ask key takeaways at the end of the session for understanding – all.
- Conduct short polls or voting, peer reviews on submitted project / articles review reports.
- Form small groups to discuss and report back to the class.
- Form teams to work on projects and share their project results.

- Invite guest speakers from the industry/corporate/research labs for sharing their broader perspectives.
- Demonstrate project findings/identification of new research domains/ probable solutions to identified problems/product proto- type/patent filing/ commercialization of the proto-type, etc.

2.1.2. (ii) Target Group: -

Associate Professors/senior Assistant Professors who have preferably attended Basic ATAL FDP on the related emerging area.

Min/Max Limit: - 30/50 participants from the. For the Northeast region, Jammu, Kashmir, Ladakh and Andaman & Nicobar Islands, the Min / Max Limit is 20/50.

Mode: - In house (offline) for both theory and practical/labs/ experiential learning.

At least 2 industrial visits/visits to nearby Institute of National Importance/IoE/prominent university/CSIR or DST labs/MSME center/Training Institute/Incubation centers/Studios/Smart classroom facilities, etc.

At the end of the FDP, every individual has to submit a one-page report on the learning outcome of the FDP through Reflective journal.

2.1.2. (iii) Session and pedagogy planning:

Duration- Six days (Monday to Saturday)

- 20 hours of teaching in eight equal sessions.
- 5 hours of industry oriented problem solving/live project development in two equal sessions with industry/corporate experts in two equal sessions.
- 3 hours of article discussion of one hour each.
- 3 hours, each for MCQ, reflective journal and feedback.
- 3 Hours of teaching practice of one hour each
- 7 hours for Industrial visits sessions with the industry expert.

Better FDP Attendance – Maximum 50 attendees per FDP. Nomination by a college principal/director for better accountability to attend the registered FDPs.

2.1.2. (iv) Pedagogy -

Collaborative, Experiential, and Outcome Based Teaching and Learning based live Sessions, Case Studies, Presentation, Videos, Research journals/article review discussions, debates, Presentation, Videos, labs, etc.

- Require 3-4 relevant state-of-the-art articles/case studies identified by the FDP Coordinator at the time of submitting proposal.
- Coordinator should form Teams (5-6 members per team) from the registered attendees by Session 1.

- All teams read, discuss, and summarize their findings from the article.
- Individually, complete a Reflective journal with a focus on implementation of learnings.
- Recommended solutions to identified problems.

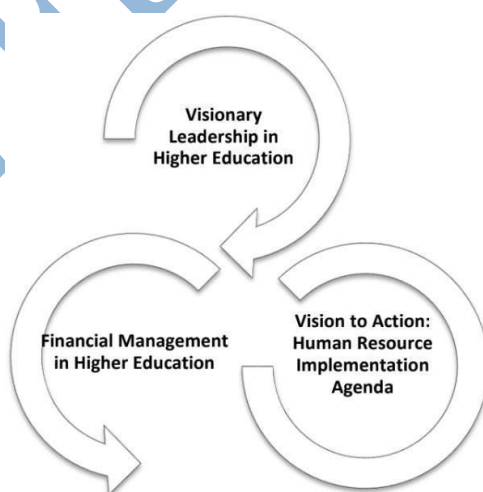
Continuous Comprehensive Assessment of Candidates shall be carried out and certificate would be issued up on achieving *at least 70% to receive over all in following aspects in the weightage mentioned below.*

- Attendance – minimum 80% attendance - (individual)- weightage 10%
- Participation-(total number of participants)- 5%
- One assessment, - combination of MCQs/short answer type/reasoning based, etc. - (Individual) - weightage15 %
- 3-4 Page Article Summary/per Team - (Team & Individual)- - weightage20%.
- Teaching Practice - (Individual)-weightage10 %
- Project/ Live industry problem solving - (Team & Individual)-weightage15 %
- Report/outcome of Industrial visit- (Team) at the last session -weightage10%
- Reflective journal - (Individual) - at the last session -weightage15%

2.1.3. ATAL LEADERSHIP FDPs

Institutional Building - Leadership for Academic Excellence in HEIs (Project based/problem statement based in collaboration with training institutes such as ASCI, British Council, etc.)

2.1.3. (i) Objective: -



To promote introspection about the present culture and processes of each University/HEI and discuss ways of creating a shared vision so that all stakeholders can jointly contribute to its overall aspirations.

Theme I: Visionary Leadership in Higher Education.

Theme II: Vision to Action: Human Resource Implementation Agenda.

Theme III: Financial Management in Higher Education.

- Leadership – Role of Leader and Management Framework (management, communication, HRP, ERP, etc.)
- Creating & Developing a Shared Vision. Choosing objectives flowing from Vision (Strategic Road map to excellence)
- Analysis of Existing Reality (Barriers to Implementation)
- Processes for achieving vision (Timelines, resource allocation & Action Plan)
- NAAC/NBA Accreditations. NIRF/ARIIA Rankings
- Financial Management in Higher Education (Strategic Planning and Budgeting, Costs and Fixed Asset Management)
- Change management, enhanced skill set and relationship management.

2.1.3. (ii) Session and pedagogy planning

Duration- Six days (Monday to Saturday)

- 25 hours of interactive knowledge upgrading with experts from academia, industry and corporate sector in ten equal sessions.
- 8 hours of article discussion of one hour each.
- 2 hours for reflective journal, feedback
- 3 hours Project formation
- 2 hours for Group interactions

2.1.3. (iii) Target Group: -

Directors/Principals/Deans/HoDs/BoG/GC/BoS/AC members, etc.

Min/Max Limit: - 30/50 participants from the. For the Northeast region, Jammu, Kashmir, Ladakh and Andaman & Nicobar Islands, the Min / Max Limit is 20/50.

Pedagogy - Collaborative, Experiential, and Outcome Based Teaching and Learning based live Sessions, Case Studies, Presentation, Videos, Research journals/article review discussions, debates, Presentation, Videos, etc.

- Require 7-8 relevant state-of-the-art articles/case studies identified by the FDP Coordinator when they submit their proposal.
- Coordinator should form Teams (5-6 members per team) from the registered attendees by Session 1.
- All teams read, discuss, and summarise their findings from the article.
- Individually, complete a Reflective journal with a focus on implementation of learnings.

Continuous Comprehensive Assessment of Candidates shall be carried out and certificate would be issued up on achieving *at least 70% to receive over all in following aspects in the weightage mentioned below.*

- Attendance – minimum 80% attendance - (individual)- weightage 10%
- Participation-(total number of participants)- 5%
- 3-4 Page Article Summary/per Team - (Team & Individual)- - weightage 40%.
- Proposal creation on basis of training - (Team)weightage 30%.
- Reflective journal - (Individual) - at the last session -weightage15%

2.2 DETAILED SESSION PLANNING- ATAL TECHNICAL FDPS

2.2.1 ATAL BASIC FDP- A Typical Flow

Offline (9:30 am – 5:30 pm)

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
9:00 – 9:30 Inauguration					
9:30 – 12:00 Session 1	9:30 – 12:00 Session 3	9:30 – 12:00 Session 5	9:30 – 12:00 Session 7	9:30 – 1:00 Industrial visit	9:30 – 12:00 Session 10
12:00 – 1:00 Article Discussion	12:00 – 1:00 Article Discussion	12:00 – 1:00 Article Discussion	12:00 – 1:00 Article Discussion		12:00 – 1:00 Reflection Journal
1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch
2:00 – 4:30 Session 2	2:00 – 4:30 Session 4	2:00 – 4:30 Session 6	2:00 – 4:30 Session 8	2:00 – 4:30 Session 9	2:00 – 4:00 MCQ, Feedback & Interactions
4:30 – 5:30 Practical sessions/Labs	4:30 – 5:30 Practical sessions/Labs	4:30 – 5:30 Practical sessions/Labs	4:30 – 5:30 Practical sessions/Labs	4:30 – 5:30 Practical sessions/Labs	4:00 – 5:00 Valedictory Session

(Adjust timing to suit your local needs and ensure minimum 40.5 hours' actual coverage)

2.2.2 ATAL ADVANCED FDP -A Typical Flow

Offline (9:30 am – 5:30 pm)

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
9:00 – 9:30 Inauguration					
9:30 – 12:00 Session 1	9:30 – 12:00 Session 3	9:30 – 12:00 Session 6	9:30 – 12:00 Session 8	9:30 – 12:00 Session 9	9:30 – 1:00 Industrial Visit - II
12:00 – 1:00 Article Discussion	12:00 – 12:30 lunch	12:00 – 1:00 Article Discussion	12:00 – 1:00 Article Discussion	12:00 – 1:00 MCQs / Interactions	1:00 – 2:00 Lunch
1:00 – 2:00 Lunch	12:30– 3:00 Session 4	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	2:00 – 3:00 Reflective journal
2:00 – 4:30 Session 2	3:00 – 5:30 Session 5	2:00 – 4:30 Session 7 Industry Live Problem Solving/ Project (Session by Industrial Expert)	2:00 – 5:30 Industrial Visit - I	2:00 – 4:30 Session 10 Industry Live Problem Solving / Project (Session by Industrial Expert)	3:00 – 4:00 Feedback & Interactions
4:30 – 5:30 Teaching Practice		4:30 – 5:30 Teaching Practice		4:30 – 5:30 Teaching Practice	4:00 – 5:00 Valedictory

(Adjust timing to suit your local needs and ensure minimum 41 hours' actual coverage)

2.2.3 ATAL LEADERSHIP FDP - A Typical Flow

Offline (9:30 am – 5 :30 pm)

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
9:00 – 9:30 Inauguration					
9:30 – 12:30 Session 1	9:30 – 12:00 Session 3	9:30 – 12:00 Session 5	9:30 – 12:00 Session 7	9:30 – 12:00 Session 9	9:30 – 1:00 Project Charter
12:30 – 1:30 Article Discussion	12:00 – 1:00 Article Discussion	12:00 – 1:00 Article Discussion	12:00 – 1:00 Article Discussion	12:00 – 1:00 Group Interactions	1:00 – 2:00 Lunch
1:30 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	2:00 – 3:00 Reflective journal
2:00 – 4:30 Session 2	2:00 – 4:30 Session 4	2:00 – 4:30 Session 6	2:00 – 4:30 Session 8	2:00 – 4:30 Session 10	3:00 – 4:00 Feedback & Interactions
4:30 – 5:30 Article Discussion	4:30 – 5:30 Article Discussion	4:30 – 5:30 Article Discussion	4:30 – 5:30 Article Discussion	4:30 – 5:30 Group Interactions	4:00 – 5:00 Valedictory

(Adjust timing to suit your local needs and ensure minimum 41 hours' actual coverage)

2.2.4 Journal Articles Summary

- The coordinator(s) will select and specify in their FDP Proposal relevant state-of-the-art articles from reputed journals in the field for study, discussion, and summary* in teams.
- Peer reviewed journals of international repute may be chosen for journal review. For Management Area: Practical articles from Harvard Business Review, McKinsey & Company, MIT Sloan Management Review, IITs, IIMs, MDI journals, etc., related to the FDP Theme and Content.
- Engineering- Elsevier, Springer, Taylor & Francis, ASME, ASCE, IEEE Transactions, Institution of Engineers India, etc. (list of Management and Engineering journals are indicative only).
- This team based structured reading, reflection, and summary will foster better retention of knowledge from good industry practices.

* Summary focus (2 pages per team):

- **Key Principles/Practices** from the Article (3-4 bullets for the Team),
- **Application of Principles/Practices** in your Function (Individual) - (Name with 3-4 lines write up bridging Theory with Practice), and
- **Key Takeaways** from the Article (3-4 bullets for the Team).

A 2-page FDP Article Summary template will be shared with ATAL FDP Coordinators.

2.2.5 Reflective journal

- The Reflective journal encourages FDP attendees to carry out introspection and reflection on what they have learned in the ATAL FDP with a focus on implementation of new learnings.
- This is also a part of Continuous Assessment for all three types of FDP Programs.

* Reflective journal focus:

- Identify **3 Key Learnings (Outcomes)** from the FDP,
- List **3 Key Lessons (Concepts/Ideas)** that you will Implement
- Share an Implementation Plan for your **3 Key Lessons** (Concepts)
- A one-page FDP Reflective journal template will be shared with ATAL FDP Coordinators.

2.3 THRUST AREAS FOR CONDUCT OF TECHNICAL FDPs

2.3.1 Core and Emerging Areas

A. EMERGING AREAS

A. EMERGING AREAS

- | | |
|---|------------------------------|
| 1. 3D Printing and Design | 15. Industry 4.0/5.0 |
| 2. 5th Generation Mobile Networks | 16. Internet of Things (IoT) |
| 3. Alternate Fuels | 17. Lab on Chip |
| 4. Artificial Intelligence | 18. Machine Learning |
| 5. Augmented Reality (AR)/ Virtual Reality (VR) | 19. Magnetic Levitation |
| 6. Block chain | 20. Molecular Manufacturing |
| 7. Cloud Technology | 21. Novel Materials |
| 8. Cyber Security | 22. Photonics |
| 9. Data Sciences | 23. Low cost desalination |
| 10. Digital Holography & 3D Imaging | 24. Opto-genetics |
| 11. Drones | 25. Quantum Computing |
| 12. Energy Storage | 26. Real Time Translation |
| 13. Gamification | 27. Robotics |
| 14. Immersive Virtual Reality | 28. Synthetic Biology |
| | 29. Telemedicine |
| | 30. Wearable Devices |

B. CORE AREAS

1. Engineering

1. Alternate Fuels
2. Aqua-food technology
3. Automation in civil engineering
4. Bio Similar Technology
5. Biomimetic
6. Biotechnology
7. Cellular Agriculture
8. Clean Eng. Materials
9. Climate Sciences
10. Cloud Technology
11. Coastal; Offshore Engineering
12. Cognitive Sensor Network
13. Construction Technology
14. Control Systems; Sensors Technology
15. Design Thinking
16. Digital Currency
17. Digital Forensics
18. Digital Manufacturing technology
19. Drug Engineering
20. Earthquake Engineering
21. Electric Vehicles
22. Energy Engineering
23. Engineering Law
24. Environmental Geo-technology
25. Fog Computing
26. Genome Engineering; Technology
27. Geotechnical earthquake Eng.
28. GIS; Remote Sensing
29. Green Technology
30. Ground Improvement techniques
31. Human Centre Computing
32. Infrastructure Engineering
33. Lean Construction Technology
34. Low cost desalination
35. Machining & Micro Machining
36. Micro electronics
37. Mining and Data analytics
38. Mining; Mineral Processing
39. Molecular Manufacturing
40. Nano Technology, materials & science

41. Numerical Modelling & soil structure interaction
42. Nutrition Technology
43. Ontogenetic
44. Optical communication
45. Organ Printing Technology
46. Precision Health Technology
47. Precision manufacturing
48. Robotic Process automation
49. Satellite Navigation system
50. Sensor network for agriculture management
51. Sensors Technology
52. Simulation technique
53. Smart Cities
54. Speech signal processing
55. Strategic Civil Infrastructure
56. Sustainability Engineering
57. Sustainable construction technology
58. Systems Engineering
59. Underground Space Utilization
60. Waste Management Technology
61. Waterways Transport Engineering

2. Management

1. Business Analytics
2. Engineering Management
3. Heritage Management
4. Innovation Management
5. Management Information System
6. Operations Management
7. Organizational Behaviour
8. Project Management
9. Risk Management
10. Six Sigma in Quality Management
11. Social Enterprise Management
12. Strategic Planning
13. Supply Chain Resilience
14. Talent Management
15. Technology Management

3. Arts & Craft

1. Animation
2. Ceramics
3. Communication Design
4. Illustration
5. Metal Craft
6. Mural Painting
7. Photography
8. Sculpture
9. Visual Communication

4. Design & Media

1. Animation Film Design
2. Apparel Design
3. Ceramic; Glass Design
4. Design for Retail Experience
5. Digital Game Design
6. Film and Video Communication
7. Furniture and Interior Design
8. Graphic Design
9. Information Design
10. Interaction Design
11. Lifestyle Accessory Design
12. New Media Design
13. Photography Design
14. Product Design
15. Textile Design
16. Toy; Game Design
17. Transportation; Automobile Design
18. Universal Design
19. Fashion Communication

5. Life Skills Management

1. Capacity Building
2. Comparative/Transcultural Linguistics
3. Competency Mapping
4. Developing Consciousness (Yoga and Meditation)

5. Emotional Intelligence
6. Execution implementation
7. Execution Planning
8. Health and Happiness
9. Human value ethics
10. Impact of social media
11. Leadership Excellence
12. Perception & Decision Making
13. Personal Effectiveness
14. Problem Solving
15. Productivity Enhancement
16. ROAD - Response Effectiveness, Organizing Self, Attitudinal Shift, Decision Making
17. Stress Management
18. Team-building and Coordination
19. Training for Social Connectedness and Inspiration

6. NEP 2020 Implementation (New!)

1. NEP 2020 Implementation - Sharing Successes and Failures
2. Leadership FDP:
 - Community Service Importance
 - Sustainable Change Management
 - U.S. Baldrige Education Performance Excellence Framework
3. Project Management
4. Risk Management
5. Soft Skills Excellence:
 - Leadership Excellence
 - Effective Decision Making
 - Effective Time management
 - Effective Teamwork
 - Effective Project Management

C. PM GATI SHAKTI

1. Agri-Food Supply Chain Management
2. Digital Supply Chain
3. Financial Aspects in Supply Chain Management
4. Health Care Supply Chain
5. IT and Digital Innovations in Supply Chains

6. Logistic Regulations and Compliances
7. Retail Supply Chain Management
8. Strategic Management in Rail/Road Transportation System
9. Transportation and Logistics Industry

2.3.2 PM Gati Shakti

1. Agri-Food Supply Chain Management
2. Digital Supply Chain
3. Financial Aspects in Supply Chain Management
4. Health Care Supply Chain
5. IT and Digital Innovations in Supply Chains
6. Logistic Regulations and Compliances
7. Retail Supply Chain Management
8. Strategic Management in Rail/Road Transportation System
9. Transportation and Logistics Industry

2.3.3 Semiconductor Design and Development

- Emerging topics under Semiconductor design and development

2.3.4 FDPs through AICTE Idea Labs

- Any topic under emerging areas wherein the practical sessions / hands-on-training could be imparted through AICTE IDEA Labs (Only institutions holding AICTE IDEA Labs can apply under this category).

2.4 ATAL NON-TECHNICAL FDPs

Faculty Development Programmes on non-technical areas such as Indian Knowledge System and Universal Human Values are offered under this category. Purpose of offering Faculty Development Programmes under Indian Knowledge Systems is to promote interdisciplinary research on all aspects of ancient and contemporary rich Indian knowledge systems ranging from art, music, dance, drama, to mathematics, astronomy, science, technology, life sciences, environment and natural sciences, health care, yoga, law, jurisprudence, economics, social sciences, psychology, philosophy, management, linguistics, oral traditions of India.

FDPs on Universal Human Values are proposed to emphasize the need to live with mutual happiness with human beings and mutual prosperity with the rest of Nature along with the development of technical and managerial competence.

2.4.1 India Knowledge System FDPs & Universal Human Values FDPs

2.4.1. (i) What will be taught

- Philosophy, cross-disciplinarily, main approaches and methods,
- The place of Indian civilization among other classical civilizations and inter-civilizational exchanges,
- Sources of authentic material
- Sharing the life and work of contemporary original thinkers
- Natural sciences, social sciences, humanities, engineering, medicine, agriculture, community knowledge systems, fine and performing arts, vocational skills etc, which have IKS content
- Yoga, Meditation, Ayurveda, Classical Music etc.
- One of the sessions should be on any of the four categories:
 - a) National Education Policy (NEP) 2020 Implementation
 - b) Indian values & ethos, Classroom conduct & behaviour (teaching learning psychology)
 - c) Life Skills such as time and stress management (more may be added)
 - d) Research Methodology.

2.4.1. (ii) Target Group: -

Assistant Professors/Associate Professors/Ph.D. scholar's/PG students

Min/Max Limit- 30/50 participants from the HEIs. **For North-East region, Jammu, Kashmir, Ladakh and Andaman & Nicobar Islands, the Min / Max Limit is 20/50.**

Mode: - In house (offline) for both theory and practical/labs/ experiential learning.

2.4.1. (iii). Session and pedagogy planning:

Duration- Five days (Monday to Friday)

- 30 hours of teaching in ten equal sessions.
- 1 session dedicated for visit to historical place/site/research center/ practical learning

Innovative methods to teach IKS including innovative methods propounded by NEP, avoidance of bookish teaching, the use of audio-visual material, possible field studies, some exposure to a few primary sources, possible activities, and micro-research projects, innovative ways to evaluate learning in IKS, avoidance of common pitfalls such as exaggeration or glorification

2.4.1. (iv). Better FDP Attendance –

Maximum 50 attendees per FDP. Nomination by a college principal/director for better accountability to attend the registered FDPs.

Continuous Comprehensive Assessment of Candidates shall be carried out and certificate would be issued up on achieving at least 70% to receive overall in following aspects in the weightage mentioned below

- Attendance – minimum 80% attendance - (individual)- weightage 50%
- One assessment - combination of MCQs/short answer type/reasoning based, etc. - (Individual) - weightage 30%
- Report/outcome of Historical Place visit- (Team)/Teaching Practice -weightage20%

2.4.1. (v) Expected Outcome: -

Comprehensive training in Holistic living and Indian knowledge, Curriculum development and updating, understanding & practice of pedagogy.

2.4.2 ATAL NON TECHNICAL FDPs- A Typical Flow

Offline (9:00 am – 5:00 pm)

Day 1	Day 2	Day 3	Day 4	Day 5
9:00 – 9:30 Inauguration				
9:30 – 11:00 Session 1	9:00 10:30 Session 3	9:00 –10:30 Session 5	9:00 – 10:30 Session 7	9:00 – 10:30 Session 9 (Place visit with expert)
TEA BREAK				
11:30 – 13:00 Session 1 (Cont..)	11:00 – 12:30 Session 3 (Cont..)	11:00 – 12:30 Session 5 (Cont..)	11:00 –12:30 Session 7 (Cont..)	11:00 – 12:30 Place visit (Cont..)
13:00 – 14:00 Lunch	12:30 – 13:30 Lunch	12:30 – 13:30 Lunch	12:30 – 13:30 Lunch	12:30 – 13:00 Lunch
14:00 – 15:30 Session 2	13:30 – 15:00 Session 4	13:30 – 15:00 Session 6	13:30 – 15:00 Session 8	13:00 – 14:30 Session 10
TEA BREAK				
16:00 – 17:30 Session 2 (Cont..)	15:30 - 17:00 Session 4 (Cont..)	15:30 – 17:00 Session 6 (Cont..)	15:30 – 17:00 Session 8 (Cont..)	15:00 – 16:30 Session 10 (Cont..)
				16:30 – 17:30 Evaluation & Valedictory Function

2.4.3 Thrust areas for conduct of Non- Technical FDPs

2.4.3. (i) Indian Knowledge System FDPs

- Indian Science and Technology
- Chemistry and Metallurgy
- Indian Economics and Business Model
- Ancient Indian Art and Architecture
- Mathematics in India: from Vedic period to modern times
- Basics of Indian Astronomy
- Introduction to Indian Astronomy
- Any other topic relevant to IKS

2.4.3. (ii) Universal Human Values FDPs

- Development of a holistic and humane world-vision
- Clarity and development of universal human values based on world-vision
- Competence for excellence in skills for living with these values
- Any other topic relevant to UHV

3. AICTE ATAL ACADEMY FDPs -COORDINATOR CHECKLIST

3.1. Pre FDP

No.	Item	Date	Checkoff
1	Review ATAL FDPs Thrust Area, Concept document with FDP Types, and Scheme Document from the AICTE ATAL Portal		
2	Select FDP topic in alignment with your Area of Expertise and Experience		
3	Develop a Proposal for your FDP topic highlighting Objective, List of sessions, Target audience, Possible dates (1 week), and select a Co-Coordinator		
4	Identify required number of Reputed Journal Articles for your FDP: Basic FDP - 2 articles, Advance FDP - 3-4 articles, Leadership FDP - 3-4 articles		
5	Identify potential Resource Persons with Expertise and Experience from Academia, Industry, and Alumni		
6	Inform your institute leaders about submission of your FDP for their involvement when the FDP gets approved		

3.2 FDP Approval and Prior to Delivery

1	Confirm identified Resource Persons from Academia, Industry, and Alumni		
2	Collect Resource Person's brief Abstract, Bio, Photo, Bank information		
3	Develop FDP Brochure and Poster including specific session topic assigned to Resource Persons including their photo		
4	Collect presentation file from all Resource Persons one week in advance of FDP start date		
5	Create a FDP joining link using the selected LMP		
6	Submit FDP Brochure and Poster into the ATAL Portal		
7	Screen prospective FDP attendees per ATAL FDP Guidelines		
8	Create a Final list of approved attendees		
9	Create teams with 5-6 members from approved attendees		
10	Distribute your FDP articles with Article Summary template and Reflective journal template to approved attendees		

3.3 During FDP

1	At each session formally introduce Resource Person		
2	Acknowledge AICTE ATAL Academy FDP Expert Peer Reviewer when they join		
3	Monitor sessions for attendance, engagement with productive discussions		
4	Encourage Q&A through chat box as session is being recorded		
5	At the end of each session provide a 2-3 min Recap of Learnings		

6	Present a virtual memento to Resource Persons		
7	Ensure good time management during each session		
8	At the last session, conduct necessary assessments specified by ATAL FDP Guidelines		
9	Ensure attendance and feedback are captured in the ATAL Portal		

3.4 Post FDP

1	Review ATAL FDP Scheme document for financial transactions – Honorarium by wire transfer to Resource Persons <i>within Two Weeks after completion of FDP</i>		
2	Send out Appreciation Certificate to Resource Persons including any digital memento		
3	Complete Assessment of all attendees per FDP Framework concept document		
4	A. Send out Participation certificate to attendees who complete attendance criteria for the FDP B. Send out completion certificates to attendees who successfully complete FDP - 70-89% Passing Certificate, 90% and above Certificate with Distinction		
5	Create a Summary Document highlighting the FDP, Major Learnings, key points from the Reflective journal, Passing rate, Presentation files, Session Recordings, etc. within 4 weeks after FDP completion		
6	Upload your summary document in ATAL Portal by the 4th week of FDP completion		

4. Administrative Guidelines

4.1. Eligibility

4.1.1 For Institutions (Both Technical & Non-Technical)

- Only AICTE approved institutions with more than five years' continuous approval as on date can conduct FDPs.
- Coordinator must be a full-time regular faculty having knowledge and experience to conduct FDP.
- Coordinator should preferably be a Professor or Associate Professor with 10 years of teaching-learning experience and minimum 10 publications in reputed journals. Prior experience of organizing ATAL Academy FDPs would be preferable. Recipients of National/International awards/honours in academic/research areas would be highly appreciated.
- Co-coordinator must be a regular full time faculty of the host institute/near- by institute duly approved by their head of the institute. Co-coordinator may be an Associate professor or Assistant professor with 05 years of teaching-learning experience.
- Only one Co-coordinator per FDP shall be nominated by the head of the institute.
- The resource persons handling sessions should be eminent people from academia, industry, and alumni with excellent track record of significant contributions in the emerging areas (teaching/research papers/books, etc.) and having minimum 10 years of active involvement in the specific domain/emerging areas. Maximum 20% resource persons are allowed from the host institute. Coordinator may also be a resource person, but within the 20% allowed from host institute and with no additional honorarium other than honorarium eligible for him/her as coordinator.

4.1.2 For Participants

- Faculty members of the AICTE approved institutions, Research scholars, PG Scholars, participants from Government, Industry Bureaucrats/Technicians/ Professionals/School Teachers and staff of host institutions nominated by the head of the institutions.
- **Not more than 30% from Host Institution.**
- Maximum 50 (minimum 30) participants may be allowed to attend FDP. However, for the Northeast region, Jammu, Kashmir, Ladakh and Andaman & Nicobar Islands, the Min / Max Limit is 20/50.
- External Participants (traveling more than 20KM one side to attend the FDPs) who attend at least 90% of the sessions shall be reimbursed with the cost of traveling, with a blanket amount of Rs. 2000/- at the end of the FDP. There would be no provision for boarding/lodging from the end of ATAL Academy/ AICTE. However, refreshment & lunch would be provided for free.
- **ATAL FDPs are free, and No fee will be charged from any participant attending ATAL FDP.**

4.2 CALENDAR OF EVENTS

S. No.	Expected Timeline	Events
1	July 19th 2023	Launch of ATAL Scheme 2023-24
2	July 30th 2023	Portal opens for Submitting Applications
3	August 10th 2023	Last Date of Submission of Applications
4	August 25th 2023	Announcing the final approved list of Institutions and FDPs
5	September 10th 2023	Issuance of Sanction Letters and 1st Instalment of GIA
6	October 10th 2023	Calling for 2nd Round of Applications (optional)
7	November 5th 2023	Last Date of Submission of Applications (optional)
8	November 20th 2023	Announcing the final approved list of Institutions and FDPs (optional)
9	December 5th 2023	Issuance of Sanction Letters and 1st Instalment of GIA (optional)
10	February 28th 2024	Completion of Proposed FDPs
11	March 15th 2024	Last Date for Submission of Report and Utilization Certificate
12	March 20th 2024	Last Date for Payment of 2nd Instalment

The proposed/approved FDP should be conducted within the financial year, on the dates proposed in the application. However, on unavoidable circumstances, FDPs may be extended for a period not more than 30 days with prior permission from AICTE and revising the brochure in the ATAL Academy webpage. Mandatory documents should be submitted within 15 days of completion of the FDP.

4.3. FUNDING

4.3.1 ATAL Technical FDPs

- Rs. 3,50,000/- (Rupees three lakh fifty thousand only per FDP)
- First Instalment: Rs. 2,50,000/-
- Second Instalment: actual with ceiling limit of Rs. 1,00,000/- (Upon submission of essential documents)

4.3.2 ATAL Non-Technical FDPs

- Rs 3,00, 000/- (Rupees Three lakh only per FDP)
- First Instalment: Rs. 2,00,000/-
- Second Instalment: actual with ceiling limit of Rs. 1,00,000/- (Upon submission of essential documents)

*Note: Payment details such as issued amount/ UC amount/ Refund / Pending Amount shall be entered by Coordinator on the Portal

4.4 DISBURSEMENT OF GRANT-IN-AID

The grant sanctioned will be released as an advance to the University/Institute account after submission of **mandate form and a request letter**.

4.5 MAINTENANCE OF ACCOUNTS

The financial assistance/grant in aid for conducting ATAL FDPs will be as per detail given under different heads: -

4.5.1 ATAL TECHNICAL FDPs

.No.	Particulars	Bifurcation of Grant-In-Aid*
1	Honorarium to Coordinator	Rs. 8,000/-
2	Honorarium to Co-Coordinator	Rs 5,000/-
3	Honorarium for Computer Operators / Lab Technicians	Rs. 5,000/- (in Total)
4	Honorarium for Experts	Rs. 50,000/- (Rs. 5,000 per session)
5	TA to External Experts engaging sessions	Rs. 1,00,000/-
6	Refreshment & Lunch	Rs. 60,000/-
7	Hands on training material, Consumable items and Miscellaneous charges etc. (reimbursed on actual basis)	Rs. 22,000/-
8	TA to Participants (excluding in-House Participants)	Rs. 1,00,000/- (Rs. 2,000 (lump sum) per External Participant payable only for those with >=90% attendance and traveling beyond 20 KM one side)
	Total	Rs. 3,50,000/-

- **Maximum amount mentioned under the head of accounts could not be relaxed.**

4.5.2 ATAL Non-Technical FDPS

S.No.	Particulars	Bifurcation of Grant-In-Aid*
1	Honorarium to Coordinator	Rs. 8,000/-
2	Honorarium to Co-Coordinator	Rs 5,000/-
3	Honorarium for Experts	Rs. 50,000/- (Rs. 5,000 per session)
4	TA to External Experts engaging sessions	Rs.50,000/-
5	Refreshment & Lunch	Rs. 50,000/-
6	Books/ Study materials for participants	Rs. 25,000/-
7	Consumable items and Miscellaneous charges etc. (reimbursed on actual basis)	Rs. 12,000/-
8	TA to Participants (excluding in-House Participants)	Rs. 100000/- (Rs. 2,000 (Lump sum) per External Participant payable only for those with >=90% attendance and traveling beyond 20 KM one side)
	Total	Rs. 3,00,000/-

- **Maximum amount mentioned under the head of accounts could not be relaxed.**
- The grant is subject to the adjustment based on Utilisation Certificate in the prescribed proforma to be submitted by the University/College/Institution within **15 days of completion of the FDP.**

4.6 Processing Methodology

- Proposals shall be called twice in an academic year based on fulfilling requirements for the financial year target and based on approval of Competent Authority.
- The proposal shall be assessed by an Expert Committee on merit basis. The decision of the Competent Authority, AICTE shall be final in this regard.

4.7 Submission of documents by University/Institution

4.7.1 Grant in Aid will be released in two instalments for both Technical as well as Non-Technical FDPs. Second instalment will be admissible on actual basis on submission of bills. The coordinator of the FDP is required to submit the receipt of the following documents through the portal.

- **Compulsory Online Feedback of all the participants given by participants on the portal**
- **List of the candidates who have successfully completed the program on the basis of the continuous, comprehensive assessments conducted by program coordinator in EXCEL Format only.**

- A comprehensive programme report along with photographs, videos, YouTube links for recorded sessions, and Media report (News/Media/Magazine cuttings/clippings) is to be uploaded on portal after the completion of programme.
- Utilisation Certificate & Expenditure Statement as per Annexure I & II
- LOGO of the institutions (JPEG/JPG/PNG. format)
- Scanned Signature of the coordinator (black in colour) with white background.
 - a) Assessment questionnaire and Results of assessment conducted in EXCEL format
 - b) Completed Checklist by the Coordinator as already listed in section 3.
 - c) The details of resource persons and their presentation files and Question paper of exam conducted with answer key.

4.7.2 The University/Institution/Program Coordinator shall submit the documents within 15 days after the conduct of the event.

- Utilisation Certificate (UC), Statement of Expenditure (SoE), bills pertaining to the expenditure and other mandatory documents have to be sent in original to **The Advisor, Training and Learning Bureau, AICTE Headquarters, Nelson Mandela Marg, Vasant Kunj, New Delhi-110070** within the stipulated time.
- As per AICTE guidelines, the programme should have a minimum of 30 participants (20 for NE. Jammu, Kashmir, Ladakh and Andaman & Nicobar Islands). **In the event, if the number of participants attending the FDP on the 1st day 1st session is less than the minimum prescribed, the coordinators should wind up the program and return the entire amount of grant-in-aid received to AICTE within 07 days.**
- The amount of the grant shall be adjusted on submission of utilization certificate & detailed expenditure statement by University/Institution. On receipt of these documents, the total amount of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid shall be adjusted.

4.8 Terms and conditions:

For conducting an FDP following is essential

- Coordinator will be overall responsible for successful conduct of ATAL FDP and document submission.
- The sessions should be recorded and Coordinators should upload the recording of sessions on YouTube and should share links on the portal which will be published on ATAL webpage.
- Funds once released/sanctioned for organising the particular topic/area of FDP cannot be utilized for any other programme.
- In case the event is cancelled, the funds will be refunded to AICTE within 07 days.
- **FDPs should not be conducted without a minimum number of candidates. In the event, if the number of participants attending the FDP on the 1st day 1st session is less than the minimum prescribed, the coordinators should wind up the program and return the entire amount**

of grant-in-aid received to AICTE within 07 days. Coordinators should take adequate measures to ensure participation and successful conduct of the FDP.

- Any unavoidable circumstantial change in the Program with respect to name of FDP Coordinator, Organization and date for organizing ATAL FDP will mandatorily require prior approval of the Council. All such requests should be addressed to ATAL Academy, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council.
- The resource persons/ Topics and level (basic/advanced/ leadership) of FDP once approved by AICTE, could not be changed at any instance.
- No Institute / Coordinator should repeat the topic / level of FDP, i.e., an FDP in one topic at one level (basic/advanced/leadership) should not be conducted more than once by an Institute / Coordinator. In that case, the entire amount would be recovered from the Institute and the Coordinator will be disqualified from conducting further programmes under ATAL Academy or any other schemes of AICTE for next five years.
- Any extra amount required to complete the programme must be borne by the institute from their own resources, but the quality of the FDP should not be compromised.
- All Participants must upload their Identity Card and NOC from their approving authority to attend FDP, to register for FDP.
- In the event of a coordinator being transferred /discontinued from the host institute, replacement should be made, placing a request in writing by the head of the institution for the approval of Competent Authority, AICTE. In cases where replacement is not made in writing, the grant-in-aid paid will be recouped.

Annexure-I

NAME & ADDRESS OF THE INSTITUTE.....

**UTILIZATION CERTIFICATE against ATAL FDP Grant in AID
FOR THE FINANCIAL YEAR.....**

Name of the Scheme under which Grant was sanctioned_____ (to be submitted separately for each sanction order)

AICTE File No. :

Name of Co-ordinator :

Application No. :

Title of the ATAL Programme :

S.No.	AICTE Sanction Order/Letter No. & Date under which grant was sanctioned	Amount (Rs.)	
1.			Certified that out of the grant-in-aid of Rs. (in words) sanctioned by the AICTE during the financial year_____in favour of _____ (name of the institute) as per letter mentioned in the margin, Rs. on account of unspent balance of previous year, Rs. ___ on account of other income / receipts, a sum of Rs. has been utilized for the purpose for which it was sanctioned and the balance of Rs. ___remained unutilized at the end of the year.

Certified that I have satisfied myself that the conditions on which the grant-in-aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised: -

Audited Annual Accounts of the Institute, Receipt and Payment account, Periodical Progress Reports.

(1). Signature, Name & Address

of the Coordinator with seal :

Date:

(2) Signature Name and Address of :

of the Head of Institute with seal :

Full Address :

Date :

3). Signature of Chartered Accountant

Rubber stamp :

Date :

(4). Signature of the Finance Officer/ Accounts Officer:

Name of the Finance Officer/Accounts Officer:

(If it is Govt./Govt. Aided Institute)

Membership No:

Note:-If it is more than one page, each page must be signed in all annexure

Annexure-II

AICTE Training And Learning(ATAL) Academy Programme

FORMAT FOR STATEMENT OF EXPENDITURE

AICTE File No. (Sanction Letter No.):

Title of the Programme :

Application No. :

Name of the Coordinator :

Sanction No. and Date	Grant in Aid Sanctioned	Details of Expenditure Incurred Item wise		Amount Rs. (in each head)	Number of Participants	Duration of the Programme (with dates)
		1	Honorarium to Coordinator			
		2	Honorarium to Co- Coordinator			
		3	Honorarium for computer operator / Lab Technician (Only for ATAL TECHNICAL FDPs)			
		4	Honorarium for experts			
		5	TA to External Experts engaging sessions			
		6	Refreshment & Lunch			
		7	TA to Participants (excluding in-House Participants)			
			One book each for 20 participants as reward (Only for ATAL NONTECHNICAL FDPs)			

		Miscellaneous charges (petty expenses not covered above) (Only for ATAL NONTECHNICAL FDPs)			
		Hands on training material, Consumable items and Miscellaneous charges etc. (reimbursed on actual basis) (Only for TECHNICAL FDPs)			
		Total			
		Grant Received			
		Balance to be Received			

(1) Name and Signature of Coordinator with Seal

(2) Name and Signature of Head of Institution with Seal

(3) Signature of Chartered Accountant:

Name of Chartered Accountant:

Rubber stamp:

Full Address:

(4) Signature (with Seal) of the Finance Officer/ Auditor/Accounts Officer:

(If it is Govt./Govt. Aided Institute)

Membership No:

Date:

Note:-If it is more than one page, each page must be signed in all annexure