

Sr. No	Topics	Category	Description	Intern Suitability
1	Training Gen Z - factors to be considered	HRM	Explores the factors to consider when designing training programs for Generation Z (born 1997–2012)	Research Generation Z's learning styles, technological preferences, and motivational factors in educational settings ; Assist in adapting training content and delivery methods accordingly
2	Training Gen X - factors to be considered	HRM	Explores the key factors to consider when designing training programs for Generation X (born 1965–1980), focusing on their unique learning preferences, values, and professional experiences in the context of aviation training	Research Generation X's learning styles, preferences, and technology usage habits in professional training environments ; Assist in tailoring training content, delivery methods, and engagement strategies that align with the needs and expectations of this demographic group
3	SWOT analysis with respect to global aviation trainers	HRM	Conducting a SWOT (Strengths, Weaknesses, Opportunities, and Threats) analysis to assess the academy's position in comparison to global aviation trainers	Research global aviation trainers, their offerings, and market positioning.
4	QMS and auditing in training establishments	HRM	Project focuses on implementing a Quality Management System (QMS) and developing auditing processes to ensure consistent, high-quality training delivery and compliance with industry standards in aviation training establishments.	Research QMS frameworks like ISO 9001 and their relevance to training institutions ; Assist in designing audit checklists, conducting mock audits, and documenting processes to identify gaps and ensure continual improvement in training quality.
5	Promotional Strategies through social media	HRM	Project aims to create effective social media promotional strategies to enhance the academy's online visibility, attract prospective trainees, and build a strong brand presence in the aviation training sector	Research successful social media campaigns by other aviation training academies and educational institutions ; Assist in developing a content strategy, creating engaging posts (e.g., videos, infographics, success stories), and analyzing campaign performance metrics to optimize outreach
6	Post Training Performance Evaluation	HRM	Developing a robust framework for post-training performance evaluation to assess the effectiveness of training programs and their impact on participants' skills and job performance.	Research evaluation models such as the Kirkpatrick Model to measure training outcomes at various levels ; Assist in designing surveys, assessments, and feedback mechanisms to collect data, and analyze results to provide actionable insights for improving future training sessions.
7	MIS for a training institute	IT	Designing a Management Information System (MIS) tailored for a training institute to streamline operations, track trainee progress, manage resources, and support decision-making with real-time data insights.	Research MIS frameworks and identify key modules suitable for training institutes, such as trainee records, course scheduling etc ; Assist in designing the system architecture, inputting data, and testing functionalities to ensure the MIS meets the institute's operational needs

8	Lean startup methods in training establishments	HRM	Explores the application of lean startup methods in establishing and scaling training programs, focusing on iterative development, rapid prototyping, and feedback-driven improvements to ensure alignment with market demands.	Research lean startup principles and their applicability to training establishments, particularly in aviation ; Assist in identifying minimal viable training products (MVPs), collecting feedback from stakeholders, and recommending iterative improvements to refine the offerings.
9	Factors affecting the effectiveness of online training	HRM	Investigates the various factors influencing the effectiveness of online training, including learner engagement, content delivery methods, technology reliability, and instructor-trainee interaction.	Conduct research on the technological and logistical requirements for launching online training programs in the aviation field ; Analyze industry trends, competitor offerings, and potential challenges, providing insights and recommendations to guide the academy in planning its future online training initiatives
10	Effective MOOC - factors to be considered	HRM	Explores the critical factors for designing and delivering effective Massive Open Online Courses (MOOCs) tailored to aviation training, ensuring high engagement, accessibility, and learning outcomes.	Research best practices for creating successful MOOCs, including course design, interactivity, and technology integration ; Assist in developing content frameworks, evaluating platform options, and testing features such as quizzes, forums, and video lectures to optimize learner experience
11	Corporate level Training need analysis	HRM	A comprehensive training needs analysis at the corporate level to identify skill gaps and align training programs with organizational goals and industry demands	Research corporate training needs assessment methodologies and tools ; Assist in surveying employees and stakeholders, analyzing results, and identifying key areas for skill development and training program enhancements.
12	Competitive Pricing of training products	HRM	Developing competitive pricing strategies for the academy's training products, ensuring they align with market trends and competitor offerings while maintaining profitability.	Research competitor pricing models for aviation training programs and products globally ; Assist in analyzing cost structures, determining pricing strategies, and recommending adjustments to position the academy competitively in the market.
13	Best practices of global aviation trainers and bench marking	HRM	Identifying and analyzing the best practices of global aviation trainers, with the goal of benchmarking these practices to improve training quality and effectiveness within the academy.	Research global aviation training standards and methodologies used by top international trainers ; Assist in comparing these practices to the academy's current methods, identifying gaps, and providing recommendations for adopting best practices to enhance training programs.
14	Benchmarking with Global Players	HRM	Benchmarking the academy's training programs, technologies, and operational practices against global leaders in aviation education to identify areas for improvement and innovation.	Research and analyze the best practices, technologies, and offerings of leading international aviation academies ; Assist in compiling a comparative analysis, identifying key performance indicators, and recommending strategies to enhance the academy's competitiveness on a global scale

15	Factors affecting effectiveness of online training	HRM	Explores the key factors that influence the effectiveness of online training programs, focusing on learner engagement, content quality, technology, and instructor interaction	Research factors that impact online learning outcomes, including technological tools, learner motivation, and course design ; Assist in analyzing data from current online training programs, identifying areas for improvement, and suggesting strategies to enhance effectiveness.
16	Global competitive price models for virtual and in person training programs	HRM	Develop global competitive pricing models for both virtual and in-person training programs, ensuring the academy offers cost-effective and attractive pricing for international and local trainees.	Research global pricing trends and competitor offerings in the aviation training sector ; Assist in creating pricing strategies, conducting market analysis, and developing cost models for various training delivery formats.
17	International accreditation and certification of training management	HRM	Obtaining international accreditation and certification for the academy's training programs, ensuring they meet global standards and enhancing the academy's reputation.	Research the requirements and processes for obtaining international accreditation for aviation training programs ; Assist in gathering documentation, preparing application materials, and ensuring that training programs align with international standards and certification criteria.
18	Best practices of Policies Process and Practices	HRM	Establishing best practices for policies, processes, and practices within the academy to ensure operational efficiency, compliance, and continuous improvement.	Research industry standards and best practices for policies, processes, and operational practices in educational and aviation sectors ; Assist in drafting, reviewing, and implementing policies and procedures that align with the academy's goals and regulatory requirements.
19	Job design, Description and Performance management systems for Consultants	HRM	Developing job designs, detailed descriptions, and a performance management system tailored for consultants within the academy, ensuring clear expectations and efficient evaluation of their contributions.	Research job design and performance management frameworks suited for consultants in educational institutions ; Assist in drafting job descriptions, setting performance metrics, and developing a system for regular performance evaluations and feedback.
20	Vendors Contractors and Client Relationship	HRM	Enhance the management of relationships between vendors, contractors, and clients, focusing on streamlining communication, contract management, and performance evaluations within the academy	Research best practices for managing vendor and contractor relationships in training and education sectors ; Assist in developing a system to track contracts, monitor performance, and facilitate communication between all parties involved
21	Effective trainee feedback design	IT	Focus on designing an effective trainee feedback system that gathers insightful, actionable responses on course content, instructors, and overall training experiences to drive continuous improvement.	Research best practices for designing feedback forms, focusing on clarity, brevity, and relevance to aviation training ; Assist in creating the feedback structure, ensuring it captures useful data, and help with integrating it into a digital platform for easy analysis and reporting

22	Developing Android/iOS mobile App for hostel management	IT	Developing an Android/iOS mobile app to streamline hostel management, including room assignments, payment tracking, maintenance requests, and communication between trainee and hostel management.	Research key features for hostel management apps, such as room booking, payment tracking, and maintenance request systems ; Assist in the app design, user interface development, and testing to ensure smooth functionality for both trainees and administrators.
23	Developing Android/iOS mobile App for faculty management	IT	Develop a mobile app for Android/iOS to efficiently manage faculty-related tasks such as scheduling, attendance, performance evaluations, and communication within the academy.	Research and propose key features for faculty management, including scheduling tools, performance tracking, and internal communication channels; Assist in designing the app's interface, integrating necessary functionalities, and conducting usability testing to ensure it meets faculty and administrative needs.
24	Developing Android/iOS mobile App for trainee and trainer interactions	IT	Developing an Android/iOS mobile app that facilitates seamless communication between trainees and trainers, allowing for real-time queries, progress tracking, and access to course materials	Research features for improving trainer-trainee interactions, such as chat, notifications, and progress monitoring tools, Assist in app design, content integration, and testing the communication functionalities for smooth user experience.
25	Developing Android/iOS mobile App for trainee feedback system	IT	To collect real-time feedback from trainees on their courses, instructors, and overall training experience, enhancing continuous improvement.	Research app development tools and platforms suitable for creating feedback systems, Assist in designing the user interface, integrating feedback collection features, and testing the app for functionality and ease of use.
26	Developing data base management system for academy	IT	Developing a comprehensive Database Management System (DBMS) to organize, store, and manage the academy's data, including trainee information, course records, financials, and training schedules.	Research best DBMS practices for educational institutions and aviation-related data management, Assist in designing the database structure, populating it with data, and ensuring it can be easily queried for reporting and analysis.
27	Digitalization of administration process in the academy	IT	Digitalize the processes within the academy, including trainee admissions, course scheduling, communication, to increase efficiency and reduce manual workloads.	Research digital tools and software solutions for automating administrative tasks in educational institutions, Assist in mapping out existing workflows, helping implement digital systems for trainee records, course management, and internal communication.
28	Digital library system for Academy	IT	Establishing a Digital Library System to provide easy access to aviation-related resources, including textbooks, research papers, and training materials, for both trainees and faculty.	Research digital library software options and determine suitable platforms for aviation content, Help digitize existing resources, organize them into categories, and upload materials to the system for seamless access by users.

29	Asset management System for academy	IT	Efficiently track and manage the academy's physical and digital assets, such as training equipment, simulators, and software licenses.	Research asset management solutions and best practices for educational institutions, Assist in setting up the system, including categorizing assets, creating tracking protocols, and helping with data entry for inventory management.
30	Contract Management system	IT	To streamline the creation, tracking, and management of contracts related to training, partnerships, and services within the aviation academy.	Research existing contract management tools and best practices in the aviation industry, Assist in customizing the system to fit the academy's needs, including setting up contract templates, approval workflows, and document storage.
31	Establishing in-house studio for e-course development	IT	Focuses on setting up an in-house studio dedicated to developing high-quality e-courses for aviation training, including video production, instructional design, and multimedia content creation.	Research industry standards for e-course development and the necessary tools and equipment for creating engaging online content ; Assist in designing the studio layout, sourcing technology (e.g., cameras, editing software).
32	Establishing computer based training lap classroom	IT	Establish a computer-based training (CBT) lab that leverages digital tools and software to enhance the learning experience for aviation trainees, focusing on both theory and practical skills.	Research and evaluate CBT software and platforms relevant to aviation training, Help design the lab layout, install necessary software, and develop training modules or simulations for trainees to practice aviation procedures.
33	Establishing simulator based computer networking lab	IT	Setting up a simulator-based computer networking lab to replicate real-world aviation network scenarios, enabling trainees to practice troubleshooting and system management in a controlled environment.	Research networking simulators and software used in aviation systems to support the lab setup ; Assist in configuring the lab environment, including network simulation tools, and help test and troubleshoot networking scenarios for trainees to practice real-time problem-solving.
34	Establishing new web site for Indian aviation academy	IT	Creating a modern, user-friendly website for the Indian aviation academy, aimed at enhancing online presence, course registration, and engagement with trainees and stakeholders.	Conduct research on best practices for aviation training websites and competitor analysis ; Assist in designing and organizing content for the website, ensuring it highlights courses, services, and academy achievements effectively.
35	Market Analysis of Global Aviation Training Needs	HRM	Conduct comprehensive research on global trends in aviation training to identify future demands and opportunities over the next 15 years	Interns can gather data, analyze trends, and compile reports to inform strategic planning
36	Environmental Scanning and PESTLE Analysis	HRM	Analyze political, economic, social, technological, legal, and environmental factors affecting the aviation training industry	Interns can perform PESTLE analysis to provide insights into external factors influencing IAA
37	Designing a Knowledge Management System (KMS)	IT	Propose and develop a system to capture, store, and disseminate organizational knowledge effectively	Interns with IT or management backgrounds can assist in system design and implementation planning

38	Developing a National Outreach Plan for Training Programs	HRM	Create a strategic plan to extend training programs to underserved regions across India	Interns can research regional needs, potential partners, and logistical considerations
39	Digital Marketing Strategies for Global Reach	HRM	Formulate digital marketing campaigns using SEO, content marketing, and online advertising to enhance global visibility	Interns can plan and execute digital marketing initiatives under supervision.
40	Best Practices in Setting Up Research Cells in Educational Institutions	HRM	Research how leading educational institutions establish and manage research cells to foster innovation	Interns can compile case studies and recommend frameworks suitable for IAA.
41	Identifying Potential Research Collaborations and Funding Opportunities	HRM	Explore partnerships with universities, research organizations, and potential funding sources for resilience research projects.	Interns can compile lists of potential collaborators and grant opportunities.
42	Developing a Research Framework for Resilience Studies	HRM	Propose methodologies and frameworks for conducting resilience research specific to the aviation context.	Interns can assist in designing research proposals and protocols.
43	Quality Assurance Processes for Multilingual E-Courses	IT	Design QA protocols to ensure consistency and quality across all language versions of the courses	Interns can help in developing checklists and testing translated content.
44	Research on Emerging Trends in Aviation Training	HRM	Investigate new developments in aviation (e.g., drones, sustainability) that require specialized training	Interns can compile research reports on emerging topics.
45	Designing Modular Training Programs	HRM	Propose flexible training modules that can be customized for different audiences.	Interns can assist in curriculum design and content organization.
46	Evaluation of Open-Source vs. Proprietary LMS Systems	IT	Analyze various LMS options to determine the most cost-effective and feature-rich solution for IAA	Interns with IT expertise can conduct comparisons and present findings.
47	Brand Positioning Strategies in the Global Aviation Education Market	HRM	Research and propose strategies to position IAA as a leading global aviation training provider	Interns can analyze brand positioning of competitors and suggest positioning tactics.
48	Developing a Unique Selling Proposition (USP) for IAA	HRM	Craft a compelling USP that highlights IAA's strengths and differentiators.	Interns can assist in brainstorming sessions and drafting marketing messages.
49	Social Media Campaign Planning and Execution	HRM	Plan and implement social media campaigns to increase brand awareness and engagement	Interns can manage social media accounts and create content under guidance.
50	Revenue Diversification Strategies	HRM	Propose new revenue streams, such as consulting services, partnerships, or franchising opportunities	Interns can research market opportunities and develop business proposals.
51	Regulatory Requirements for Deemed University Status	HRM	Compile a comprehensive list of legal and regulatory criteria necessary to achieve deemed university status	Interns can research regulations and prepare compliance checklists.
52	Curriculum Development for University-Level Programs	HRM	Assist in designing curricula for proposed diploma, undergraduate, and postgraduate programs.	Interns can support faculty in course development and benchmarking.
53	Infrastructure and Faculty Requirements Assessment	HRM	Evaluate current infrastructure and faculty qualifications against requirements for university status	Interns can conduct assessments and identify gaps

54	Stakeholder Engagement Plan	HRM	Develop a plan to engage with key stakeholders, including government bodies, industry partners, and accreditation agencies.	Interns can coordinate communication efforts and prepare presentation materials.
55	Market Demand Analysis for Diploma and Degree Courses	HRM	Assess the demand for aviation-related diploma and degree programs to ensure program viability.	Interns can conduct surveys, gather data, and analyze results.
56	Microlearning for Aviation	HRM	Explore the concept of microlearning in aviation training, focusing on delivering short, focused learning segments that cater to specific skills and knowledge areas, ideal for busy professionals.	Research best practices and successful case studies of microlearning in aviation or similar industries, help in developing microlearning modules, such as short video tutorials, quizzes, and infographics, and test their effectiveness in improving knowledge retention and practical application.
57	Continuous Professional Development (CPD) program	HRM	Designing a Continuous Professional Development (CPD) program tailored for aviation professionals to enhance their skills and knowledge through ongoing training, certification, and career growth opportunities.	Understanding its need, various models of CPD, barriers to its implementation, how to measure its effectiveness , framework for CPD in IAA
58	Financial/Organisational Performance Turnaround Models	HRM	To provide structured approaches to diagnosing, managing, and improving financial performance of IAA	Study such models, evaluate their effectiveness for different type of organisations, suggest a suitable alternative for IAA
59	IAA Helpdesk whatsapp Chatbot	IT	Create a chatbot to improve accessibility and enhance communication and engagement	Study Chatbot Platforms and analyse user needs to develop a chatbot
60	Digitalization of Billing process in IAA	IT	Transforming traditional, manual billing processes into an efficient, automated, and digital system.	Design and develop a digital system to streamline billing operations