Incubationship – A Systematic Analysis of Recently Announced Super Innovation in Higher Education using SWOC, ABCD, and PESTL Frameworks

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Area of the Paper: Technology Management Type of the Paper: Exploratory Research. Type of Review: Peer Reviewed as per <u>[C|O|P|E]</u> guidance. Indexed In: OpenAIRE. DOI: <u>https://doi.org/10.5281/zenodo.8432465</u> Google Scholar Citation: <u>IJCSBE</u>

How to Cite this Paper:

Aithal, P. S., & Aithal, S., (2023). Incubationship – A Systematic Analysis of Recently Announced Super Innovation in Higher Education using SWOC, ABCD, and PESTL Frameworks. *International Journal of Case Studies in Business, IT, and Education (IJCSBE), 7*(4), 48-90. DOI: <u>https://doi.org/10.5281/zenodo.8432465</u>

International Journal of Case Studies in Business, IT and Education (IJCSBE) A Refereed International Journal of Srinivas University, India.

Crossref DOI: https://doi.org/10.47992/IJCSBE.2581.6942.0309

Paper Submission: 08/08/2023 Paper Publication: 12/10/2023

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ABSTRACT

Purpose: This paper's main goal is to illuminate the revolutionary potential of incubationship in higher education and its broader societal ramifications. This study intends to offer an organized and thorough analysis of incubationship programs by utilizing the SWOC, ABCD, and PESTL frameworks. It aims to identify their benefits and disadvantages, strengths and limitations, and the numerous external circumstances that may have an impact on their success. Additionally, this study provides a road map for institutions, governments, and educators to use incubationship to help create a new generation of independent, creative, and entrepreneurial people. In the end, it adds to the continuing discussion about how higher education has changed by highlighting the crucial role that incubatorship plays in educating students for a society that needs adaptation, creativity, and innovation. In the end, it adds to the continuing conversation about how higher education is evolving by highlighting the crucial role that incubator programs play in preparing students for a future that demands flexibility, innovation, and a proactive approach to problem-solving.

Concept: A systematic and supervised process called incubationship essentially gives students the tools they need to find, develop, and eventually launch their new businesses. By bridging the gap between academic theory and real-world entrepreneurial skills, this idea gives students a rare chance to obtain actual experience in business planning, market research, and financial management. It's important to note that Incubationship transcends national boundaries and has a global impact since graduates with entrepreneurial aptitude and creative mindsets leave institutions all around the world. In order to meet the changing needs of our linked and complicated society, this idea serves as a dynamic catalyst for fostering the next generation of problem-solvers, innovators, and job creators.

Methodology: This is an exploratory research analysis and makes use of our newly developed conceptual model and systematic analysis of it using SWOC, ABCD, and PESTL frameworks by using the information obtained from various sources like scholarly articles and AI-based GPTs.

Results/Analysis: The paper analysed and evaluated the new model of experiential learning called "incubationship" to create an entrepreneur at a higher education level by using systematic analysis frameworks SWOC, ABCD, and PESTL.

Originality/Value: The paper systematically analysed a super-innovation model in HE called Incubationship to create innovative entrepreneurs through a semester-long project to nurture the business leaders to start their own businesses. These outcome Startups can be called as Monocorns or Multicorns depending on the number of primary students involved in the Incubationship.

Type of Research: Research Analysis.

Keywords: Academic innovations, Higher Education System (HES), Super-innovations in HE, Incubationship, Monocorn, Multicorn, SWOC analysis, ABCD analysis, PESTL Analysis.



1. INTRODUCTION :

Ensuring quality learning in higher educational institutions is paramount for preparing students to thrive in a rapidly evolving global landscape. Quality learning extends beyond the mere transmission of information; it encompasses a holistic approach that engages students, fosters critical thinking, and equips them with the skills and knowledge needed for success in their chosen fields. Several key principles contribute to the promotion of quality learning in higher education [1].

First and foremost, an emphasis on learner-centered education is essential. Quality learning recognizes the diverse needs, backgrounds, and learning styles of students. Instructors should design curricula that cater to individual and collective needs, encourage active participation, and promote self-directed learning. By shifting the focus from teaching to learning, educational institutions can empower students to take ownership of their education, resulting in deeper comprehension and greater motivation to excel [2].

Secondly, fostering a culture of innovation and adaptability is crucial in higher educational institutions. The world is constantly evolving, with new technologies, industries, and challenges emerging regularly. Institutions that prioritize quality learning encourage faculty and students to embrace change and innovation. This includes incorporating emerging technologies into the curriculum, promoting interdisciplinary approaches, and providing opportunities for experiential learning, research, and creative endeavours. In doing so, higher education institutions prepare students not only for current job markets but also for those of the future, where adaptability and creativity are highly valued [3].

Finally, assessment and feedback mechanisms are integral to quality learning. Educational institutions must implement robust assessment strategies that go beyond traditional exams and encourage critical thinking, problem-solving, and the application of knowledge. Regular, constructive feedback to students and faculty allows for continuous improvement. Moreover, transparent and data-driven assessment processes ensure accountability and enable institutions to make evidence-based decisions to enhance the quality of education they provide [4].

Thus, quality learning in higher educational institutions is a multifaceted endeavour that requires a learner-centered approach, a commitment to innovation, and effective assessment and feedback mechanisms. By adhering to these principles, institutions can create an environment that not only imparts knowledge but also fosters the skills, adaptability, and critical thinking abilities necessary for students to excel in a complex and ever-changing world. Quality learning is an investment in the future, equipping individuals with the tools they need to make meaningful contributions to society and their chosen fields of study.

Experiential learning is a dynamic and innovative approach to quality learning in education that has gained significant recognition in higher educational institutions in recent years. It stands in contrast to traditional classroom-based learning and focuses on providing students with hands-on, practical experiences that enhance their understanding and skill development. This educational philosophy recognizes that active engagement with real-world challenges fosters deeper comprehension, critical thinking, and problem-solving abilities among students, preparing them for success in their careers and beyond [5].

One key aspect of experiential learning is its adaptability to a wide range of disciplines and fields of study. Whether in science, engineering, humanities, or the arts, educators are finding creative ways to incorporate experiential elements into their curricula. These may include internships, field studies, project-based learning, and simulations, among others. By immersing students in situations that mimic the complexities of their future professions, experiential learning helps bridge the gap between theory and practice, making education more relevant and meaningful [6].

Furthermore, experiential learning encourages a student-centered approach to education. It empowers learners to take ownership of their education, as they actively participate in shaping their learning experiences. This approach fosters a sense of responsibility and self-motivation among students, ultimately leading to better retention of knowledge and skills. In an era where adaptability and critical thinking are highly valued, experiential learning in higher educational institutions is not merely a trend but a transformative approach that equips students with the tools they need to thrive in an ever-changing world.

Experiential learning encompasses a diverse array of approaches and methods, each tailored to specific educational goals and disciplines within higher educational institutions [7]. Understanding the various



types of experiential learning can help educators and students alike make the most of this powerful educational approach:

(1) Internships and Co-op Programs: Internships and cooperative education (co-op) programs are perhaps the most well-known forms of experiential learning. These opportunities allow students to work in professional settings related to their field of study. Through internships and co-op experiences, students gain practical skills, build industry connections, and often receive academic credit while working in real-world environments.

(2) Service Learning: Service learning combines community service with academic study. Students engage in volunteer work that directly relates to their coursework, providing them with hands-on experiences while addressing real community needs. This type of experiential learning not only fosters civic engagement but also reinforces the application of classroom knowledge to real-world challenges.

(3) Field Studies and Research Projects: In fields like environmental science, geography, and anthropology, field studies are essential components of experiential learning. Students conduct research or gather data in natural or cultural settings, applying theoretical concepts to practical investigations. These experiences promote critical thinking and data collection skills.

(4) Simulations and Role-Playing: Simulations and role-playing exercises are used across various disciplines, including business, healthcare, and social sciences. These activities immerse students in scenarios that replicate real-life situations. For instance, business students might participate in a simulated stock market, while medical students engage in clinical simulations. These experiences develop decision-making skills, teamwork, and the ability to handle complex situations.

(5) **Study Abroad Programs:** Studying abroad provides students with a unique form of experiential learning. It exposes them to different cultures, languages, and educational systems. Living and studying in a foreign country promotes cross-cultural awareness, adaptability, and global perspectives, which are increasingly important in today's interconnected world.

(6) **Project-Based Learning:** Project-based learning (PBL) is a flexible approach that can be applied across various disciplines. Students collaborate on projects that require research, problem-solving, and creativity. PBL fosters teamwork, communication skills, and the ability to synthesize information, making it a valuable experiential learning tool.

(7) Entrepreneurship and Innovation Challenges: In the business and technology sectors, many educational institutions offer entrepreneurship and innovation challenges. These competitions encourage students to develop and pitch innovative business ideas, fostering creativity, entrepreneurship, and practical business skills.

(8) **Apprenticeships:** In certain fields, such as trades, apprenticeships are a traditional form of experiential learning. Students work under the guidance of experienced professionals, gaining hands-on experience while honing their craft. This model is particularly effective for skill-based industries.

(9) Outdoor Education: Some institutions incorporate outdoor education programs that take students into natural environments for learning experiences. These programs develop leadership, teamwork, and environmental awareness.

In higher educational institutions, a combination of these experiential learning approaches can create a well-rounded education that prepares students not only with knowledge but also with the practical skills, adaptability, and real-world experience necessary for success in their chosen careers. These various types of experiential learning opportunities empower students to bridge the gap between theory and practice, making education more relevant and impactful.

2. INCUBATIONSHIP – A NEW MODEL IN EXPERIENTIAL LEARNING IN HEI :

Experiential learning consists of many models, which include mainly internships, apprenticeships, learning projects, research projects, Case study development, Fieldwork projects, etc. Recently, our group (Aithal, P. S., et al. (2023). [8]) proposed a new innovative experiential learning model called Incubationship. This model of experiential learning facilitates to creation of innovative startup businesses by nurturing entrepreneurial business leaders from higher education institutions. The paper explains the compelling need for incubationship, recognizing it as a pivotal solution that addresses the shortcomings of traditional higher education systems. The paper illuminates the extraordinary potential of incubationship, the new variation of experiential learning for students, universities, and the global economy. The paper argues that the incubationship is not merely an educational method but it is a dynamic catalyst poised to shape a new generation of forward-thinking, problem-solving, and self-



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reliant individuals who will navigate and contribute to a world that is more dynamic, interconnected, and complex than ever before. This exploratory paper uncovered how incubationship's innovative approach meets the demands of our evolving society and why it is an indispensable component of the future of higher education (figure 1) [8].



Fig. 1: Features of Incubationship [8]

The first scholarly paper on introducing the concept of Incubationship as a new experiential learning model to nurture entrepreneurs from higher educational institutions with the title: "Super Innovation in Higher Education by Nurturing Business Leaders through Incubationship" proposed five stages of Incubationship, providing aspiring students with a roadmap to turn their entrepreneurial dreams into reality (figure 2) [8].

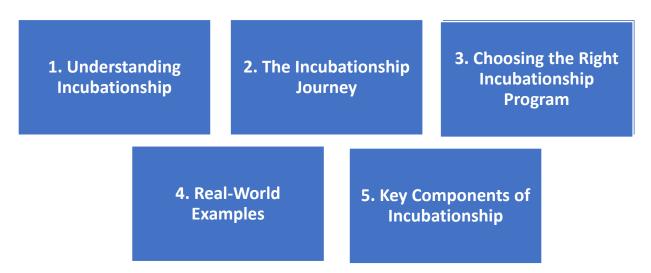


Fig. 2: Five stages of Incubationship, providing aspiring students with a roadmap to turn their entrepreneurial dreams into reality [8]

Being a new model proposed [8], it is essential to analyse the model systematically from different angles before using it in higher education institutions. Accordingly, in this paper, the strengths, weaknesses, opportunities, and challenges (SWOC) of the model are analysed and interpreted as internal analysis. Similarly, the advantages, benefits, constraints, and disadvantages (ABCD) of implementing this incubationship model in higher education institutions are discussed as stakeholder analysis. Further, the



usefulness of this model is analysed using the external environmental analysis framework by considering political issues, economic issues, social issues, technological issues, and legal issues, (PESTL).

3. REVIEW OF LITERATURE :

3.1 SWOC Analysis Framework

Table 1: Review of literature on SWOC analysis scholarly publications

S. No.	Focus	Reference
1	Applying SWOC analysis to an institution of higher education	Aithal, P. S., & Kumar, P.
		M. (2015). [9]
2	SWOC analysis of integrating Interprofessional Education	El-Awaisi, A., et al.
	into the healthcare curriculum	(2017). [10]
3	SWOC Analysis of Zomato-A Case of Online Food Delivery	Frederick, D. P., &
	Services	Parappagoudar, S. K.
		(2021). Frederick, D. P., &
		Parappagoudar, S. K.
		(2021).[11]
4	Developing IT enabled mechanism for SWOC analysis: A	Shahabadkar, P., Joshi, A.,
	case study	& Nandurkar, K. (2019).
~		[12]
5	A review and SWOC analysis of natural heritage tourism in	Mutanga, C. N., et al.
6	sub-Saharan Africa	(2023). [13]
6	SWOC Analysis of Marriott International-A Case Study	Barreto, N., & Mayya, S. (2022). [14]
7	A Study on Marketing Strategies and SWOC Analysis of	Mayya, S. (2022). [15]
,	Himalaya Wellness Private Ltd.	Way ya, S. (2022). [15]
8	Sustainability Study of Green Buildings in India-Through	Nayak, P., & Kayarkatte,
Ũ	Pestle and SWOC Analysis	N. (2020). [16]
9	A Study on Marketing Strategies, SWOC Analysis and CSR	Mahale, P. (2023). [17]
	Activities of HCP Wellness Private Ltd	
10	Theory a for optimizing human productivity	Aithal, P. S., & Kumar, P.
		M. (2016). [18]
11	Student centric learning through planned hard work-an	Aithal, S., & Aithal, P. S.
	innovative model	(2016). [19]
12	Case Study on Certara's Simcyp PBPK Simulator to Eliminate	Aithal, A. et al. (2022).
	Lengthy Clinical Trials	[20]
13	Challenges associated with running a green business in India	Mendon, S., Salins, M., &
	and other developing countries	Aithal, P. S. (2019). [21]
14	Importance of Circular Economy for Resource Optimization	Aithal, S., & Aithal, P. S.
	in Various Industry Sectors-A Review-based Opportunity	(2023). [22]
1.7	Analysis	
15	Super-Intelligent Machines-Analysis of Developmental	Aithal, P. S. (2023). [23]
	Challenges and Predicted Negative Consequences	

3.2 ABCD Analysis Framework:

Table 2: Review of literature on ABCD analysis scholarly publications

S. No.	Focus	Description	Reference
1	ABCD Analysis	Proposed a new systematic analaysis	[24-26]
	Proposal	framework to analyse advantages, benefits,	
		constraints, and disadvantages of a system	
2	ABCD Listing	Lists advantages, benefits, constraints, and	[27-68]
		disadvantages of Concepts, ideas, systems,	
		materials, resources, products/ services,	
		strategies, etc	



International Journal of Case Studies in Business, IT, and Education (IJCSBE), ISSN: 2581-6942, Vol. 7, No. 4, October 2023

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			[(0,70]
3	ABCD Stakeholders	Identifies advantages, benefits, constraints,	[69-79]
	analysis	and disadvantages of any system from	
		stakeholders point of views	
4	ABCD factor and	Identifies affecting factors and constituent	[80-85]
	elementary analysis	elements of issues under four constructs	
		called advantages, benefits, constraints, and	
		disadvantages	
5	ABCD Quantitative	Ranks the four constructs advantages,	[86-110]
	Analysis	benefits, constraints, and disadvantages	
		based on quantitative data collected using	
		empirical method	

3.3 PESTL Analysis Frameworks:

Table 3: Review of literature on PESTL analysis scholarly publications

S. No.	Focus	Reference
1	Formulation of a systemic PEST analysis for strategic	Ho, J. K. K. (2014). [111]
	analysis	
2	PESTLE analysis on Toyota hybrid vehicles	Tan, J. H., et al. (2012). [112]
3	A critical study on Various Frameworks used to analyse	Aithal, P. S. (2017). [113]
	International Business and its Environment	
4	Strategic Management Models & Indian Epics	Aithal, P. S., & Acharya, R. K.
		(2016). [114]
5	New Directions in Scholarly Research–Some Fearless	Aithal, P. S., & Aithal, S. (2019).
	Innovations & Predictions for 21st Century Research	[115]
6	A PESTLE analysis of biofuels energy industry in	Achinas, S., et al. (2019). [116]
	Europe	
7	Toward a sustainable decommissioning of offshore	Capobianco, N., et al. (2021), [117]
	platforms in the oil and gas industry: A PESTLE	
	analysis	
8	PESTLE technique-a tool to identify external risks in	Rastogi, N. I. T. A. N. K., &
	construction projects	Trivedi, M. K. (2016). [118]
9	The higher education environment driving academic	Cox, J. (2021). [119]
	library strategy: A political, economic, social and	
	technological (PEST) analysis	
10	The challenges and opportunities for professional	Doherty, I., Steel, C., & Parrish, D.
	societies in higher education in Australasia: A PEST	(2012). [120]
	analysis	
11	Comparison between Retrieval Time of Manual and	Parameshwari, V., et al. (2022).
	Electronic Medical Records–A Case Study	[121]
12	Impact of Mobile Phone Services on the Traditional	Crasta, L. C., & Shailashri, V. T.
	Telecommunication Services in India	(2021). [122]
13	A case study of Cashew Industry in Karnataka	D'Silva, R. J. (2021). [123]

4. OBJECTIVES OF THE PAPER :

(1) To present an overview of Incubationship as a new experiential learning model to create entrepreneurs.

(2) To propose "Monocorn" or "Multicorn" (Startup company) as a possible outcome of incubationship.

(3) To differentiate and compare "Monocorns" with "Unicorns".

(4) To analyse Incubationship using SWOC analysis framework.

(5) To analyse Incubationship using ABCD analysis framework.

(6) To analyse Incubationship using PESTL analysis framework.

(7) To evaluate the possible implications and impacts of Incubationship in higher education institutions to fulfil its goal of creating innovative entrepreneurs.



(8) To provide suggestions to stakeholders while incorporating Incubationship as new Experiential learning model in HEIs.

5. RESEARCH METHODOLOGY :

The exploratory research method is used in this analysis. Information were collected using the Google Search and Google Scholar search engines, secondary information about the identified keywords are gathered from published papers. Quasi-secondary information are gathered through the AI-based GPT/BARD. After the literature has been screened and chosen, structured framework for analysis including SWOC, ABCD, and PESTL are used for analysis of Incubationship as a new innovation to identify, support, nurture, and create entrepreneurs to start monocorn or multicorn companies. Interpretation on implications and impact on this new concept of experiential learning are made and presented. Conclusions are drawn based on the analysis, and the entire process is thoroughly documented, ensuring transparency and setting the groundwork for further research investigations.

6. OVERVIEW OF INCUBATIONSHIP AS A NEW EXPERIENTIAL LEARNING MODEL TO CREATE ENTREPRENEURS :

As per the proposed Incubationship as a new variant of experiential learning, a higher education institution or university can offer Incubationship as a long-term project for one semester usually in the final year of Undergraduate or Post Graduate Programme as optional project like internship. A student who opt for Incubationship is called Incubee and a faculty member who guides the team will be called as mentor. The mentor along with other team members like an alumnus, an industry expert, etc, will guide the Incubee to realize the business idea by creating a digital business space (a full stack website with payment integration).

Detailed Stages of Business Startup Using Incubationship Model:

The major stages proposed in figure 2 are further devided into following detailed stages and can be customized based on area, subject, topic, and interest of incubees.

- (1) Business Idea Generation:
- (2) Implementation Plan:
- (3) Creating Digital Space:
- (4) Resource Mobilization:
- (5) Selecting a suitable E-Business Model:
- (6) Selecting a Vendor/ Collaborating with a Business/ Consultancy:
- (7) Operating the digital business through full stack website with payment integration.
- (8) Monitoring and controlling
- (9) Continuous improvement and update.

7. MONOCORN/MULTI-CORN (STARTUP COMPANY) AS A POSSIBLE OUTCOME OF INCUBATIONSHIP :

It is expected that the Incubationship model to be introduced in higher education institutions helps to create innovative entrepreneurs along with a HE institutional nurtured startup company. The startup company initially will have a digital presence through a simple website in the name of Incubee (student who is doing incubationship) to do business of an original proprietary product or service, locally or globally, directly with a product or service, or indirectly as a reseller. An incubationship of four to six months is ideal to come out with a working startup company. Such startups emerging out as outcome of Incubationship can be called as either monocorn, or bicorn, or tricorn or multicorn depending on number of incubees worked as team members.

8. COMPARISON OF "MONOCORN" WITH "UNICORN" :

8.1 Unicorn Company:

In the context of business and finance, a "unicorn" refers to a privately-held startup company that has achieved a valuation of \$1 billion or more. The term "unicorn" is used to describe these companies because they are considered extremely rare, much like the mythical creature after which they are named. Unicorn startups are typically characterized by rapid growth, disruptive business models, and the potential to reshape industries. They often attract significant investment from venture capitalists, private



equity firms, and other investors who see the potential for substantial returns on their investments. Some well-known examples of unicorn companies include Uber, Airbnb, SpaceX, and Palantir Technologies. The concept of unicorns has gained prominence in the technology and startup sectors, but unicorn companies can exist in various industries, including e-commerce, biotechnology, finance, and more. While achieving unicorn status is a significant milestone for a startup, it also comes with high expectations and scrutiny, as investors and the public alike closely watch these companies' progress and growth.

8.2 Monocorn/Multicorn Company:

In the context of business and finance, a "monocorn" or "multicorn" is a newly proposed privately held startup company initiated and managed by one or a few people as owners, respectively. Monocorn/multicorn company emerged as an outcome of an incubationship from a Higher education Institute at undergraduate or post graduate level from an experiential long-term project model called Incubatioship with a small initial funding of nearly Rs. 1,000 or \$100 (for Monocorn company) or its multiples (for Multicorn company). The word monocorn is used to represent the single owner of a startup as a result of the outcome of individual incubationship with HE institutional intellectual backup and having a physical or digital product or service in an innovative way with the potentials to grab future global business opportunities. Similarly, the name multcorn represents a multi-owner of a startup as a result of a team-based incubationship with HE institutional intellectual backup and having a physical or digital product or service in an innovative way with the potentials to grab future global business opportunities. Similarly, the name multcorn represents a multi-owner of a startup as a result of a team-based incubationship with HE institutional intellectual backup and having a physical or digital product or service in an innovative way with the potentials to grab future global business opportunities.

S. No.	Key Feature	Unicorn Company	Monocorn Company
1	Valuation and Scale	A unicorn company is a privately held startup valued at \$1 billion or more. These companies are known for their substantial scale and growth potential.	A monocorn company, on the other hand, is a newly proposed privately held startup initiated and managed by one or a few individuals as owners. These companies typically start with a much smaller initial funding of around Rs. 1,000 or \$100. They are characterized by a more modest scale, at least initially.
2	Ownership and Management	Unicorn companies can have diverse ownership structures and management teams. They often attract funding from multiple investors and may have larger, more complex teams to manage their operations.	Monocorn companies are typically initiated and managed by one person or a very small group of individuals. The term "monocorn" suggests a single owner or a few owners who are responsible for the startup's vision, strategy, and day-to-day operations.
3	Origins and Funding	Unicorn companies can emerge from a variety of sources and often have access to significant venture capital and funding rounds to support their growth and expansion.	Monocorn companies often originate from higher education institutions as a result of an experiential long-term project model called Incubatioship. They start with minimal funding and rely on intellectual support from their educational institutions.
4	Product or Service	Unicorn companies typically offer products or services that have the potential to disrupt industries and capture a	Monocorn companies focus on developing innovative products or services, but their initial scope and market reach may be more limited compared to unicorns. They have

Table 4: Comparison of Unicorn and Monocorn/Multicorn



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		significant market share on a	the potential to grow and scale over
		global scale.	time.
5	Global	Unicorn companies are often	Monocorn companies, while
	Business	viewed as having the potential	innovative, may start with a
	Opportunities	to become major players on the	narrower focus and may need to
		global stage and compete in	gradually expand their reach to seize
		international markets.	future global business opportunities.
6	Backup	Unicorns are started by	Monocorns are initiated during the
		individuals or group of	incubationship (Usually one
		individuals after they graduated	semester long) during college
		and supported by some venture	studentship and hence backed by a
		capitalists.	team of experts as mentors.
7	Presence	Very rare. Since only startups	Quite often. Since every student in
		which are valued \$ one billion	an HEI can opt for incubationship in
		through disruptive innovation	the final year of UG or PG
		can emerge as a unicorn.	programme and emerge as a
			monocorn
8	Initial Stage	A physical company with a	A digital company with or without a
	_	digital presence	physical presence
9	Business	Limited opportunity to use a	Wide opportunity to use a variety of
	Model	variety of e-Business models	e-Business models including
		like Manufacturer (Direct),	Brokerage, Advertising,
		Merchant, etc.	Infomediary, Affiliate, Community,
			Subscription, Utility, etc. [124]
10	Social	Creates billionaires and	Creates entrepreneurs to solve
	Outcome	employment for the society	employment problems of society
11			

9. SWOC ANALYSIS OF INCUBATIONSHIP :

A SWOC analysis, an acronym for Strengths, Weaknesses, Opportunities, and Challenges, is a powerful framework used in strategic planning to evaluate a new model or initiative comprehensively [9-10]. Incubationship is an innovative experiential learning model that is poised to reshape the landscape of education. As the name suggests, this model combines the essence of incubation and research project to create a dynamic learning environment for students across various disciplines to develop an innovative business in the form of startup.

Strengths: Incubationship boasts a plethora of strengths that set it apart from traditional educational approaches. It champions hands-on learning, offering students the opportunity to immerse themselves in real-world projects and challenges. This experiential aspect enables the development of practical skills and critical thinking abilities. Furthermore, Incubationship embraces an interdisciplinary approach, encouraging collaboration among students from diverse academic backgrounds. This fosters creativity and a holistic understanding of complex problems, which are essential skills in today's interconnected world.

Weaknesses: While Incubationship holds immense promise, it does come with its set of challenges. Its resource-intensive nature can be a significant drawback, as it necessitates substantial funding for projects, mentorship, and administrative support. Traditional assessment methods may not adequately capture the learning outcomes of this experiential model, posing a challenge in evaluating student progress effectively. Scaling up Incubationship to accommodate a larger student population or across multiple campuses while maintaining quality can be a complex undertaking.

Opportunities: Incubationship presents a host of exciting opportunities for education. One of its most significant potential benefits is forging partnerships with industries and businesses, providing students with access to real-world projects and experiences. These collaborations can lead to funding, resources, and job opportunities for students, bridging the gap between academia and the professional world. Moreover, the model can leverage digital platforms to reach a global audience, breaking down geographical barriers and allowing students from diverse backgrounds to collaborate and learn together.



International Journal of Case Studies in Business, IT, and Education (IJCSBE), ISSN: 2581-6942, Vol. 7, No. 4, October 2023

Challenges: As with any transformative educational model, Incubationship faces its share of challenges. Resistance to change within the educational establishment can be a formidable obstacle. Traditional institutions and faculty members accustomed to lecture-based approaches may be hesitant to embrace this hands-on, experiential paradigm shift. Additionally, maintaining consistent quality in experiential learning across all instances is a paramount concern. Ensuring that every student receives valuable experiences and mentorship requires rigorous quality assurance mechanisms. Finally, addressing issues of equity and inclusivity is crucial. Overcoming barriers related to access, affordability, and inclusivity is essential to ensure that Incubationship benefits all students, regardless of their socioeconomic status or background.

In conclusion, this introduction sets the stage for a comprehensive SWOC analysis of Incubationship, an experiential learning model that holds the promise of revolutionizing education. While it possesses remarkable strengths and opportunities, it also faces significant challenges and must navigate potential weaknesses. In the subsequent analysis, we will delve deeper into each aspect, providing a holistic understanding of this groundbreaking educational approach. Tables 5 to 8 depicts SWOC analysis for a new experiential learning model called "Incubationship".

S. No.	Key Strengths	Description
1	Hands-On	Incubationship offers a hands-on learning experience where students
	Learning	actively engage in real-world projects and challenges. This
		experiential approach helps learners develop practical skills,
		problem-solving abilities, and a deeper understanding of the subject
		matter.
2	Interdisciplinary	One of the strengths of Incubationship is its interdisciplinary nature.
	Approach	It encourages collaboration between students from diverse academic
		backgrounds, fostering creativity and a holistic understanding of
		complex problems.
3	Mentorship and	The model provides students with access to mentors and industry
	Networking	experts, facilitating valuable networking opportunities. This
		mentorship can lead to internships, job placements, and
		entrepreneurial ventures, enhancing students' career prospects.
4	Innovation and	Incubationship nurtures innovation and entrepreneurship by
	Entrepreneurship	encouraging students to develop and launch their projects or startups.
		This aligns with the growing demand for entrepreneurial skills and
		fosters a culture of innovation.

 Table 5: Strengths of Incubationship as an innovative Experiential learning leading to startup company

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Table 6: Weaknesses of Incubationship as an innovative Experiential learning leading to startup company

S. No.	Key Strengths	Description
1	Resource Intensive	Implementing Incubationship requires significant resources,
		including funding for projects, mentorship, and administrative
		support. Smaller educational institutions or those with limited
		budgets may struggle to fully adopt this model.
2	Assessment	Traditional assessment methods may not adequately capture the
	Challenges	learning outcomes of experiential models like Incubationship.
		Developing effective assessment strategies that align with the hands-
		on nature of the program can be a challenge.
3	Scalability	Expanding Incubationship to accommodate a larger student
		population or across multiple campuses can be challenging.
		Maintaining the quality of mentorship and experiential opportunities
		while scaling up is a persistent concern.

 Table 7: Opportunities of Incubationship as an innovative Experiential learning leading to startup company



S. No.	Key Strengths	Description
1	Industry	Incubationship can form partnerships with industries and businesses
	Partnerships	to provide students with real-world projects and experiences. These
		partnerships can lead to funding, resources, and job opportunities for
		students.
2	Global Reach	The model has the potential to reach a global audience through online
		platforms, allowing students from different parts of the world to
		collaborate and learn together. This can expand the program's impact
		and diversity.
3	Solution to	Incubationship based self-business and owning a startup company
	Unemployment	solves the unemployment problems, both in developing and
	problem	developed countries.

Table 8: Chall	enges of	Incubationship	as a	n innovative	Experiential	learning	leading t	o startup
company.								

S. No.	Key Strengths	Description
1	Resistance to	Implementing a new experiential learning model like Incubationship
	Change	may face resistance from traditional educational institutions and
		faculty who are accustomed to lecture-based approaches.
2	Quality Assurance	Maintaining consistent quality in experiential learning can be
		challenging. Ensuring that all students receive valuable experiences
		and mentorship is crucial for the model's success
3	Equity and	Ensuring that Incubationship is accessible to students from diverse
	Inclusivity	backgrounds and socioeconomic statuses is essential. Overcoming
		barriers related to access, affordability, and inclusivity is a significant
		challenge.

In summary, the SWOC analysis of Incubationship reveals its potential to revolutionize education by providing hands-on, interdisciplinary learning experiences that foster innovation and entrepreneurship. However, it also highlights the need for careful resource management, assessment development, and efforts to promote inclusivity and equity in education. To succeed, Incubationship should embrace partnerships, adapt to changing educational landscapes, and address the challenges associated with its implementation.

10. ABCD STAKEHOLDER ANALYSIS OF INCUBATIONSHIP :

As education evolves to meet the demands of an ever-changing world, innovative models like Incubationship emerge to bridge the gap between academia and real-world entrepreneurship. Incubationship, a novel experiential learning model, focuses on identifying innovative business ideas and nurturing students as entrepreneurs to create successful startup ventures. The pursuit of entrepreneurship is a dynamic and transformative journey, and as the entrepreneurial landscape evolves, innovative models for creating entrepreneurs emerge. In this context, the ABCD Analysis framework (proposed and systematically developed by Aithal et al. in 2015 [24-25]), which examines the Advantages, Benefits, Constraints, and Disadvantages, becomes a crucial tool for evaluating and shaping new approaches to entrepreneurship. This structured framework offers a holistic perspective on the strengths and weaknesses of a particular entrepreneurship model, enabling stakeholders, educators, and aspiring entrepreneurs to make informed decisions and navigate the challenges and opportunities inherent to the entrepreneurial process.

Through an ABCD Analysis, one can gain valuable insights into the unique advantages and benefits of a new entrepreneurship model, as well as the constraints and potential disadvantages it may present. This comprehensive understanding paves the way for strategic planning, innovation, and ultimately, the cultivation of a new generation of successful entrepreneurs. To ensure the successful implementation and sustainability of Incubationship, conducting an ABCD Stakeholder Analysis [69], which assesses the Advantages, Benefits, Constraints, and Disadvantages, is imperative. This structured framework provides a comprehensive understanding of the diverse stakeholders involved in Incubationship,



International Journal of Case Studies in Business, IT, and Education (IJCSBE), ISSN: 2581-6942, Vol. 7, No. 4, October 2023

shedding light on their expectations, interests, and potential contributions. By employing this analysis, educational institutions and program administrators can navigate the intricate landscape of stakeholders, fostering collaboration and alignment to maximize the benefits of this innovative approach to learning and entrepreneurship. Tables 9 to 12 depicts advantages, benefits, constrains, and disadvantages of Incubationship from Students point of Views. Tables 13 to 16 depicts advantages, benefits, constrains, and disadvantages of Incubationship from HE Institutes point of Views. Tables 17 to 20 depicts advantages, benefits, constrains, and disadvantages of Incubationship from Society point of Views.

S. No.	Key Advantages	Description
1	Hands-On	Incubationship provides a unique opportunity for students to apply
	Learning	what they learn in a real-world context. We get to roll up our sleeves
		and work on actual business ideas, which is far more engaging than
		traditional classroom learning.
2	Mentorship	Having experienced mentors by our side is like having a safety net as we navigate the complexities of entrepreneurship. They offer insights, share their experiences, and help us avoid common pitfalls.
3	Networking	Incubationship introduces us to a diverse network of like-minded peers, potential co-founders, investors, and industry professionals. These connections are invaluable for our future careers and ventures.
4	Skill Development	Beyond academics, Incubationship equips us with a wide range of practical skills, from market research and financial planning to pitching and negotiation. These skills are immediately transferable to various aspects of life.
5	Reduced Risk	Starting a business is risky, but Incubationship provides a supportive environment where we can make mistakes and learn from them without facing severe consequences. This reduces the fear of failure.
6	Access to	Incubationship opens doors to essential resources such as co-working
	Resources	spaces, funding opportunities, and specialized workshops. These resources are often inaccessible to individual student entrepreneurs.
7	Innovation	Students are encouraged to think outside the box and innovate. It's exciting to see how our ideas can transform into tangible products or services that solve real problems.
8	Self-Discovery	Incubationship is not just about business; it's about self-discovery. We learn about our strengths, weaknesses, and what truly motivates us. It's a journey of personal growth.
9	Entrepreneurial Mindset	Incubationship fosters an entrepreneurial mindset that extends beyond startups. We learn to approach challenges with creativity, adaptability, and a solution-oriented mindset.
10	Job Creation	As Incubees, we have the opportunity to become job creators rather than job seekers. This sense of empowerment is incredibly motivating, knowing that we can contribute to economic growth.
11	Global Perspective	Incubationship encourages us to think globally. We see how our ideas can have an impact not just locally but on a global scale, addressing pressing issues and making a difference.
12	Practical Application	Unlike some theoretical courses, Incubationship allows us to immediately apply what we learn. It's a continuous cycle of learning and doing, which is incredibly fulfilling.
13	Building Resilience	Entrepreneurship is challenging, and Incubationship teaches us resilience. We learn to bounce back from setbacks and keep moving forward, a skill that's valuable in any career.

Table 9: Advantages of Incubationship as a new model of experiential learning to create

 entrepreneurship from students point of views



14	Long-Term Vision	Through Incubationship, we develop a long-term vision for our
		startups. It's not just about a semester-long project; it's about building
		something sustainable and impactful.
15	Confidence	As Incubees, we gain confidence in our abilities. We see our ideas
		take shape and witness our growth as entrepreneurs, which boosts
		our self-assurance.
16	Impact on Society	Many of us are driven by the desire to create positive change in
		society. Incubationship empowers us to pursue ventures that align
		with our values and contribute to meaningful causes.

In summary, Incubationship is an experiential learning model that empowers students to take control of their education and future. It offers a multitude of benefits that extend far beyond the classroom, shaping us into confident, innovative, and forward-thinking individuals prepared to tackle the challenges of a dynamic world.

Some of the benefits of Incubationship from the perspective of students who work as Incubees are listed in table 10.

Table 10: Benefits of Incubationship as a new model of experiential learning to create entrepreneurship from students point of views

S. No.	Key Benefits	Description
1	Real-World	Incubationship immerses us in the real business world from day one.
	Experience	We learn by doing, and this practical experience is incredibly valuable.
2	Innovation Culture	Incubationship fosters a culture of innovation and experimentation. It encourages us to push boundaries and challenge the status quo.
3	Interdisciplinary Learning	The incubees often collaborate with students from diverse backgrounds. This interdisciplinary approach broadens our horizons and exposes us to different perspectives.
4	Flexibility	Incubationship offers flexibility in how we approach our projects. This freedom allows us to tailor our ventures to our unique strengths and passions.
5	Problem-Solving Skills	Entrepreneurship is about solving problems. Incubationship hones our problem-solving skills as we tackle real challenges in the market.
6	Feedback Loop	Incubees constantly receive feedback, not only from mentors but also from potential customers and peers. This iterative feedback loop helps us refine our ideas and strategies.
7	Time Management	Managing a startup alongside academic responsibilities teaches us effective time management, a skill that's crucial in any career.
8	Adaptability	Startups face uncertainty, and Incubationship prepares us to adapt to changing circumstances and pivot when necessary.
9	Exposure to Failure	While no one wants to fail, Incubationship teaches us that failure is a natural part of entrepreneurship. We learn to embrace failure as a stepping stone to success.
10	Ethical Entrepreneurship	Incubees learn the importance of ethical business practices, sustainability, and social responsibility, ensuring our ventures contribute positively to society.
11	Pitching Skills	Pitching to potential investors or partners is a fundamental skill we develop. It's a powerful skill even beyond entrepreneurship, as it helps in selling ideas and projects.
12	Confidence in Communication	Incubee become more confident communicators, whether it's presenting our ideas or negotiating with stakeholders.



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13	Market Insights	Through market research, we gain deep insights into consumer behavior and market trends, which can be applied to various
		industries.
14	Failure Resilience	We develop resilience in the face of setbacks. This resilience is a valuable life skill that helps us bounce back from adversity.
15	Leadership	Many of us take on leadership roles within our startup teams. This experience hones our leadership abilities and our ability to inspire and motivate others.
16	Long-Term Vision	Incubationship encourages us to think long-term and plan for the future. This strategic thinking is applicable not only to startups but also to personal life and career planning.
17	Intrapreneurship	Even if we don't pursue entrepreneurship as a career, the entrepreneurial mindset we develop can be applied within existing organizations as intrapreneurs, driving innovation from within.
18	Crisis Management	Incubees learn to handle crisis situations, a skill that can be beneficial in various aspects of life.
19	Responsible Risk- Taking	Incubationship teaches us to take calculated risks rather than impulsive ones. This measured approach to risk is valuable in decision-making.
20	Global Awareness	As we explore market opportunities, we become more globally aware, understanding the potential of our ventures on a global scale.

In conclusion, Incubationship empowers students to not only become successful entrepreneurs but also well-rounded individuals equipped with a diverse skill set, adaptability, and a strong sense of purpose. These benefits extend far beyond the confines of the classroom, preparing us to thrive in an everchanging world.

Some of the constraints of Incubationship from the perspective of students who work as Incubees are listed in table 11.

Table 11:	Constraints	of	Incubationship	as	a	new	model	of	experiential	learning	to	create
entreprene	urship from st	ude	nts point of view	S								

S. No.	Key Constraints	Description
1	Time Intensive	Incubationship demands a significant amount of time and effort, often requiring students to balance their startup projects with academic coursework. This can lead to burnout and stress.
2	Financial Pressure	Launching a startup can be financially demanding. While some resources may be available through the incubator, students often face personal financial constraints that limit their ability to invest in their ventures.
3	Uncertainty	The startup world is inherently uncertain, and there are no guarantees of success. Students in Incubationships may face anxiety and stress due to the unpredictable nature of entrepreneurship.
4	Resource Availability	The availability of resources such as mentors, co-working spaces, and funding can vary between different incubators and universities. Some students may find themselves in programs with limited resources.
5	Competitive Environment	Incubationships can be highly competitive, with students vying for limited resources and recognition. This competitiveness can create a challenging and sometimes stressful atmosphere.
6	Academic Pressure	Balancing the demands of Incubationship with academic responsibilities can be overwhelming. Students may struggle to excel in both areas simultaneously.



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7	Failure Risk	While failure is a part of entrepreneurship, it can be emotionally and mentally taxing. Some students may find it difficult to cope with the
		possibility of their startups not succeeding.
8	Lack of Industry	Students may lack the industry-specific experience and knowledge
	Experience	required to launch and grow a successful startup. This can pose a
		significant constraint, especially in highly specialized fields.
9	Team Dynamics	Collaborating with diverse team members can be challenging, and
		conflicts may arise. Managing team dynamics and ensuring everyone is
		aligned with the startup's vision can be a constraint.
10	Networking	Building a professional network can be challenging, particularly for
	Challenges	students who are new to the business world. Establishing connections
	-	with potential investors, partners, and customers may require extra
		effort.
11	Market	Depending on the industry, students may face market saturation or
	Saturation	intense competition, making it harder to differentiate their startups.
12	Legal and	Navigating legal and regulatory requirements for startups can be
	Regulatory	complex and time-consuming. Compliance issues can be a significant
	Hurdles	constraint for student entrepreneurs.
13	Mental Health	The pressures of entrepreneurship, coupled with academic
	Concerns	responsibilities, can lead to mental health issues among students.
		Coping with stress and maintaining mental well-being is a concern.
14	Limited Focus	Some students may become so engrossed in their startups that they miss
		out on a broader educational experience. They may not explore other
		areas of interest or take advantage of traditional educational
		opportunities.
15	Sustainability	Balancing the pursuit of sustainable and ethical business practices with
	Challenges	the need for profitability can be a constraint for student entrepreneurs.
16	Geographical	The location of the university or incubator can impact the types of
	Constraints	startups that can be launched. Access to specific markets, industries, or
		resources may be limited.
17	Technological	In tech-oriented startups, students may face technological barriers,
	Barriers	especially if they lack access to the latest tools and technologies.
18	Limited Support	Some Incubationship programs may not provide adequate support for
	Post-Graduation	students once they graduate. This transition phase can be challenging
		for budding entrepreneurs.

Despite these constraints, Incubationship remains an invaluable experience that equips students with practical skills, resilience, and the potential for long-term success. Overcoming these challenges can be a part of the transformative journey toward becoming successful entrepreneurs.

Some of the disadvantages of Incubationship from the perspective of students who work as Incubees are listed in table 12.

Table 12: Disadvantages of Incubationship	as a	new	model	of	experiential	learning	to	create
entrepreneurship from students point of views								

S. No.	Key Disadvantages	Description
1	Financial Risk	Launching a startup through Incubationship can involve financial risk, as students may need to invest their own money or seek external funding. If the venture fails, they may face financial losses.
2	Academic Distractions	Balancing the demands of Incubationship with academic coursework can be challenging. Students may find it difficult to excel academically while fully committing to their startup.



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Succeed students may feel that their academic and financial future is at stake. This pressure can lead to stress and anxiety. 4 Limited Focus Immersion in Incubationship may result in students neglecting other aspects of their education, missing out on a more traditional college Education 5 Lack of Work- Life Balance Launching and running a startup can be all-consuming, leading to a lack of work-life balance. Students may struggle to maintain personal relationships and well-being. 6 Dependency on External The success of a startup through Incubationship often depends on the availability of external resources such as mentors, funding, and workspace. If these resources are limited, it can hinder progress. 7 Competition Within an Incubationship provides valuable support, there is no guarantee success 8 No Guaranteed While Incubationship provides valuable support, there is no guarantee of startup success. Students may invest a considerable amount of time and effort only to see their venture fail. 9 Limited Real- World Despite the practical nature of Incubationship, some students may still world 10 Difficulty in Finding a Marketable Idea No still students may have a viable or marketable business can be complex and overwhelming, particularly for students who lack legal complexities 12 Networking Conge with failure and profitable concept can be difficult for students who are new to entrepreneurship. Establishing connections with potential invector			
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	17		Sometimes, students may not resonate with their assigned mentors, leading to a lack of effective guidance and support.
financial success.	18	•	Balancing profitability with sustainable and ethical business practices can be challenging, especially for students focused solely on achieving

Despite these disadvantages, Incubationship remains a valuable experiential learning opportunity that can equip students with valuable skills and experiences. Students considering Incubationship should carefully weigh these factors and determine if it aligns with their goals and aspirations.

The various advantages of Incubationship from the perspective of Higher Education Institutions are listed in table 13.



Table 13: Advantages of Incubationship as a new model of experiential learning to create

 entrepreneurship from HE Institutions point of views

S. No.	Key Advantages	Description
1	Enhanced	Incubationship aligns higher education with real-world demands by
	Relevance of	offering students practical experience in entrepreneurship. This
	Education	relevance makes education more engaging and valuable.
2	Increased Student	The presence of Incubationship programs can attract more students
	Enrollment	to institutions, as it offers a unique and attractive opportunity to
		pursue entrepreneurial endeavors while pursuing their degrees.
3	Strengthened	Universities that offer successful Incubationship programs can
	Reputation	enhance their reputation as centers of innovation and
	.1	entrepreneurship, attracting top talent and funding.
4	Industry	These programs often involve collaboration with industry experts,
	Collaboration	entrepreneurs, and businesses. This strengthens ties between
		academia and industry, fostering innovation and research
		partnerships.
5	Alumni	Successful startups emerging from Incubationship programs can
5	Engagement	contribute financially and professionally to their alma mater, creating
	Lingugement	a strong network of supportive alumni.
6	Contribution to	By incubating startups, institutions can contribute to the local
0	Local Economy	economy by creating jobs, attracting investment, and promoting
	Local Leonomy	economic development.
7	Global Recognition	Universities with renowned Incubationship programs gain global
,	Global Recognition	recognition and can attract international students and faculty,
		diversifying their campus community.
8	Research	Incubationship programs often lead to research opportunities as
0	Opportunities	students and faculty work on cutting-edge projects, contributing to
	Opportunities	academic advancement.
9	Increased Funding	Universities can access additional funding sources and grants by
)	Opportunities	showcasing successful startups and their impact on the economy and
	Opportunities	society.
10	Fostering	Incubationship programs can act as catalysts for the growth of a local
10	Entrepreneurial	entrepreneurial ecosystem, attracting startups and entrepreneurs to
	Ecosystem	the region.
11	Student Success	The success stories of students who launch startups through
11	Student Success	Incubationship programs become a source of pride for the institution,
		motivating other students to excel.
12	Diverse Skill	Beyond entrepreneurship, students gain a wide range of skills,
12	Development	including teamwork, problem-solving, project management, and
	Development	leadership, which are highly transferable.
13	Addressing	By encouraging students to create their own jobs, Incubationship
15	Unemployment	programs contribute to reducing graduate unemployment rates.
14	Cultivating	Universities become hubs of innovation, fostering a culture of
14	Innovation	creativity and problem-solving among students and faculty.
15	Supporting	Incubationship programs can revitalize declining regions by
13	Regional	promoting innovation, attracting businesses, and retaining local
	Development	
	Development	talent.
16	Interdiscipling	These programs encourage interdisciplinary collaboration, allowing
10	Interdisciplinary Collaboration	students from various fields to work together on innovative projects.
17		
1/	Entrepreneurial Mindset	Incubationship instills an entrepreneurial mindset in students,
	winuset	preparing them to adapt to the rapidly changing job market.



International Journal of Case Studies in Business, IT, and Education (IJCSBE), ISSN: 2581-6942, Vol. 7, No. 4, October 2023

18	Access to	Students benefit from the access to resources like mentorship,
	Resources	funding, co-working spaces, and workshops, which can be
		challenging to obtain independently.
19	Real-World	Students learn to identify real-world problems and develop practical
	Problem Solving	solutions, making their education more practical and applicable.
20	Networking	Universities become networking hubs, connecting students with
	Opportunities	mentors, investors, and industry leaders, which can be invaluable for
		their future careers.

These advantages highlight the transformative impact of Incubationship programs on Higher Education Institutions, making them more dynamic, innovative, and responsive to the evolving needs of students and society.

The various benefits of Incubationship from the perspective of Higher Education Institutions are listed in table 14.

Table 14: Benefits of Incubationship as a new model of experiential learning to create entrepreneurship
from HE Institutions point of views

S. No.	Key Benefits	Description				
1	Fosters Innovation Culture	Fosters Innovation Culture: Incubationship programs create a culture of innovation within the institution, inspiring students and faculty to think creatively and develop groundbreaking solutions.				
2	Attraction of Top Talent	Incubationship programs attract high-caliber students and faculty who are drawn to the opportunity to engage in hands-on entrepreneurial experiences.				
3	Enhanced Reputation	Institutions offering successful Incubationship programs gain recognition and prestige, drawing attention from prospective students, industry partners, and investors.				
4	Industry Collaboration	Collaboration with industry experts and businesses enhances the institution's connections and can lead to research partnerships and funding opportunities.				
5	Supports Economic Development	By incubating startups, institutions contribute to local and regional economic development, creating jobs and driving innovation in the community.				
6	Global Visibility	Leading Incubationship programs can gain global visibility, attracting international students and faculty, enriching the diversity of the campus community.				
7	Research Advancement	Students and faculty involved in Incubationship often engage in research that advances knowledge in entrepreneurship, benefiting the institution's research profile.				
8	Alumni Success	The success of startups launched through Incubationship programs reflects positively on the institution, creating a network of successful alumni who contribute back to their alma mater.				
9	Cross-Disciplinary Collaboration	Incubationship programs encourage collaboration across different academic disciplines, fostering a holistic approach to entrepreneurship.				
10	Promotes Problem- Solving	Students learn to identify real-world problems and develop practical solutions, making their education more relevant and impactful.				
11	Flexible Learning	Incubationship offers flexible learning opportunities, allowing students to learn by doing, which can be especially appealing to those who prefer experiential learning.				
12	Resource Utilization	Universities can leverage existing resources such as faculty expertise, research facilities, and co-working spaces to support Incubationship initiatives.				



13	Diversifies	Revenue generated from successful startups, partnerships, and grants
	Revenue Streams	diversifies the institution's income sources, reducing reliance on
		tuition fees.
14	Cultivates	Incubationship helps students develop leadership and decision-
	Leadership Skills	making skills by putting them in charge of their startup ventures.
15	Boosts Networking	Institutions become hubs for networking, connecting students with
		mentors, industry professionals, and potential investors.
16	Promotes Lifelong	The entrepreneurial mindset instilled in students encourages a
	Learning	lifelong commitment to learning and adaptation in an ever-changing
		world.
17	Reduces Brain	Incubationship programs can help retain local talent by providing
	Drain	opportunities for students to build businesses in their communities.
18	Contributes to	Some startups emerging from Incubationship programs are focused
	Social Good	on social and environmental issues, aligning with universities'
		missions to address global challenges.
19	Enhances Alumni	Successful alumni entrepreneurs often engage with their alma mater
	Engagement	through mentorship, funding, and knowledge-sharing, enriching the
		institution's ecosystem.
20	Strengthens	By nurturing startups, institutions contribute to the development of a
	Regional	thriving regional entrepreneurial ecosystem, attracting more
	Ecosystem	businesses and investments.

These benefits demonstrate how Incubationship programs can be transformative for Higher Education Institutions, not only in terms of student development but also in their broader impact on the institution, the local community, and the global entrepreneurial landscape.

The various constraints and challenges of implementing Incubationship programs from the perspective of Higher Education Institutions are listed in table 15.

Table	15:	Constraints	of	Incubationship	as	а	new	model	of	experiential	learning	to	create
entrep	reneu	rship from H	E Ir	stitutions point	of v	iew	VS						

S. No.	Key Constraints	Description
1	Resource	Establishing and maintaining Incubationship programs can be
	Constraints	resource-intensive. Universities may struggle with budget
		limitations, especially when it comes to providing necessary
		facilities, mentorship, and financial support to student startups.
2	Faculty Workload	Faculty members who are involved in mentoring and guiding student
		entrepreneurs may experience increased workloads, potentially
		impacting their ability to fulfill their traditional teaching and research
		responsibilities.
3	Access to Funding	While funding opportunities are a benefit, they can also be a
		constraint. Not all student startups may secure external funding,
		leading to financial challenges for both the students and the
		institution.
4	Student Selection	Selecting the right students for Incubationship programs can be a
		challenge. Institutions must strike a balance between admitting
		students based on their potential and ensuring a diverse and inclusive
		program.
5	Due e un un	
5	Program	Scaling Incubationship programs to accommodate a growing number
	Scalability	of students can be difficult. Ensuring personalized mentorship and
		support for each student becomes increasingly challenging as the
		program expands.



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6	Alignment with Curriculum	Integrating Incubationship programs into the existing curriculum can be complex. It may require curriculum changes and coordination
	Currentum	across different departments and faculties.
7	Risk of Failure	Not all startups launched through Incubationship programs will
		succeed. Managing students' expectations and providing support in
		case of failure is essential to prevent discouragement and dropout
0	T (11 (1	rates.
8	Intellectual Property Issues	Universities may face intellectual property disputes if students
	Property Issues	develop products or technologies with commercial potential. Clear policies regarding ownership and rights must be in place.
9	Diversity and	Ensuring that Incubationship programs are accessible and welcoming
/	Inclusion	to students from diverse backgrounds, including underrepresented
		groups, can be challenging.
10	Regulatory and	Navigating legal and regulatory requirements for student-run
	Compliance	businesses, especially those involving specialized industries like
	Hurdles	healthcare or biotechnology, can be time-consuming and complex.
11	Measuring Impact	Determining the success and impact of Incubationship programs can
		be difficult. Traditional academic metrics may not fully capture the
12	Competition	value of experiential learning in entrepreneurship. As more institutions adopt Incubationship programs, there is
12	Competition	increased competition for attracting top entrepreneurial talent,
		mentors, and investors, making it harder to stand out.
13	Sustainability	Ensuring the long-term sustainability of Incubationship programs
		can be challenging, as they may depend on external funding sources
		that can fluctuate over time.
14	Student	Students entering Incubationship programs may have high
	Expectations	expectations of quick success, which may not always align with the
15	Mismotohed Cools	reality of building a successful startup, leading to frustration.
15	Mismatched Goals	The goals of students, faculty, and the institution may not always align, leading to conflicts in expectations and outcomes.
16	Limited	In regions with limited entrepreneurial ecosystems, finding local
	Entrepreneurial	mentors, investors, and partners can be difficult, hindering the
	Ecosystem	growth of student startups.
17	Time Constraints	The semester-based nature of higher education can impose time
		constraints on Incubationship programs, potentially limiting the
18	Cultural Barriers	depth of entrepreneurial experiences students can gain. Encouraging an entrepreneurial mindset within a traditionally
10		academic culture can be challenging, as it may require a cultural shift
		within the institution.
19	Failure Stigma	Some students may fear the stigma associated with failure in
	-	entrepreneurship, potentially deterring them from participating in
		Incubationship programs.
20	Evaluating Mentor	Ensuring that mentors in the program are of high quality and
	Quality	genuinely committed to student success can be challenging.

These constraints highlight the complex nature of implementing Incubationship programs in higher education and the need for thoughtful planning and continuous adaptation to address these challenges effectively.

There are various disadvantages and challenges associated with Incubationship programs from the perspective of Higher Education Institutions and are listed in Table 16.



 Table 16: Disadvantages of Incubationship as a new model of experiential learning to create

 entrepreneurship from HE Institutions point of views

S. No.	Key	Description
1	Disadvantages Resource	Implementing and maintaining Insurbationship measures can be
1	Intensiveness	Implementing and maintaining Incubationship programs can be resource-intensive for universities. They require funding for
	Intensiveness	mentorship, co-working spaces, workshops, and other support
		services.
2	Faculty	Faculty members who serve as mentors in Incubationship programs
	Commitment	may face challenges in balancing their mentoring responsibilities with their traditional teaching and research duties.
3	Uneven Student	Not all students may be interested in entrepreneurship or have viable
	Interest	business ideas, potentially resulting in low participation rates and
		underutilization of program resources.
4	Risk of Failure	Encouraging students to start businesses can lead to a higher risk of
		failure, which may affect students' confidence and motivation, as
		well as the reputation of the institution.
5	Time Constraints	The semester-based structure of higher education may limit the time
		available for students to fully develop and launch their startups, potentially leading to rushed business decisions.
6	Limited Access to	In regions with a less developed entrepreneurial ecosystem,
	Expertise	universities may struggle to provide students with access to
	-	experienced mentors, investors, and industry experts.
7	Intellectual	Incubationship programs can raise complex intellectual property
	Property Concerns	issues if students' business ideas are developed within the university's
		research or innovation framework.
8	Lack of Alignment	The focus on practical entrepreneurship skills in Incubationship
	with Traditional	programs may not align with the traditional academic goals and
	Education	values of universities, potentially leading to conflicts in institutional
9	Evolucivity	culture.
9	Exclusivity	These programs may unintentionally create a divide between students who participate and those who do not, potentially
		exacerbating inequalities among students.
10	Measuring Success	It can be challenging to define and measure the success of
	C	Incubationship programs, as traditional academic metrics may not
		capture the full impact of entrepreneurship education.
11	Mentorship Quality	Ensuring the quality of mentorship can be a challenge, as not all
		mentors may possess the necessary skills or commitment to guide
		students effectively.
12	Overemphasis on	The exclusive focus on launching startups may not align with the
	Startups	career goals of all students, potentially neglecting other valuable
13	Economic Viability	career paths. The pressure to create viable businesses can overshadow the
15	Economic viability	educational aspect of entrepreneurship, leading to a focus on short-
		term profit rather than long-term learning.
14	Dependence on	Many Incubationship programs rely on external funding, making
	External Funding	them vulnerable to funding fluctuations and potential
	B	discontinuation.
15	Cultural Resistance	Shifting the university culture towards a more entrepreneurial
		mindset can face resistance from faculty, staff, and students who are
		accustomed to traditional academic approaches.
16	Limited Industry	Universities may struggle to establish strong connections with
	Connections	industries relevant to student startups, hindering opportunities for
		collaboration and networking.



17	Student Burnout	The intense nature of entrepreneurship can lead to student burnout,
		affecting their overall well-being and academic performance.
18	Overemphasis on	Some Incubationship programs may disproportionately focus on tech
	Technology	startups, potentially neglecting other sectors and industries.
19	Ethical	Encouraging entrepreneurship without adequate ethical guidelines
	Considerations	can lead to ethical challenges, such as questionable business practices.
20	Market Saturation	In regions with numerous Incubationship programs, there may be an oversaturation of startups competing for limited resources and opportunities.

Balancing the advantages and disadvantages of Incubationship programs is crucial for universities looking to provide valuable entrepreneurial experiences for their students while mitigating potential drawbacks.

There are various advantages of Incubationship programs from society's point of view as listed in Table 17.

Table 1'	7: Advantages	of I	Incubationship	as	a	new	model	of	experiential	learning	to	create
entrepren	eurship from So	ociety	point of views									
S. No.	Kev Advanta	oes	Description									

S. No.	Key Advantages	Description
1	Economic Growth	Incubationship programs contribute to economic growth by fostering the development of new startups and businesses. These startups, when successful, create jobs, generate tax revenue, and stimulate local economies.
2	Reduced Unemployment	By empowering students to become job creators, Incubationship programs help reduce unemployment rates, especially among recent graduates. This shift from job seekers to job creators strengthens the overall job market.
3	Innovation Hub	These programs create a culture of innovation within society by encouraging students to think creatively and develop innovative solutions to real-world problems. This innovation can lead to the development of new products, services, and technologies that benefit society at large.
4	Addressing Social Issues	Incubationship programs often focus on solving pressing social and environmental challenges. Students are encouraged to develop startups that address issues like poverty, healthcare, climate change, and education, leading to positive social impact.
5	Global Competitiveness	A society with a strong entrepreneurial ecosystem and a continuous stream of startups becomes more competitive on a global scale. It attracts international talent and investments, contributing to its global standing.
6	Knowledge Transfer	These programs facilitate knowledge transfer from experienced mentors and industry experts to students. This knowledge transfer enriches society's collective expertise and helps bridge the gap between academia and industry.
7	Community Engagement	Incubationship programs often engage with the local community, fostering collaboration and partnerships between universities and businesses. This engagement strengthens community ties and can lead to mutually beneficial projects.
8	Cultural Shift	By promoting entrepreneurship, these programs can lead to a cultural shift in society's perception of risk-taking and innovation. A society that values entrepreneurship is more likely to support and invest in startups.



9	Role Models	Successful alumni of Incubationship programs can serve as role models for aspiring entrepreneurs, inspiring others to pursue their entrepreneurial dreams. These role models can have a significant influence on future generations.
10	Lifelong Learning	Incubationship programs encourage lifelong learning by providing opportunities for individuals of all ages to explore entrepreneurship. This can lead to a more adaptable and innovative society.
11	Diversity and Inclusion	These programs often prioritize diversity and inclusion, welcoming individuals from various backgrounds and perspectives. This promotes a more inclusive and equitable entrepreneurial ecosystem.
12	Rural Development	Incubationship programs can extend their reach to rural and underserved areas, promoting entrepreneurship and economic development in regions that may otherwise be left behind.
13	Social Integration	They offer a platform for individuals from different social, cultural, and economic backgrounds to come together and collaborate, fostering social integration and cohesion.
14	Startup Ecosystem	Incubationship programs contribute to the overall development of a robust startup ecosystem within society, which includes access to venture capital, accelerators, and support services.
15	Entrepreneurial Mindset	Encouraging an entrepreneurial mindset among individuals benefits society by promoting adaptability, problem-solving skills, and resilience in the face of challenges.
16	Healthcare and Biotechnology Advances	In regions with strong biotechnology and healthcare-focused Incubationship programs, advancements in medical technology and treatments can lead to improved healthcare outcomes for society.

In summary, Incubationship programs bring about positive changes in society by fostering entrepreneurship, innovation, economic growth, and social impact. They play a pivotal role in shaping a dynamic and forward-thinking society that can address the challenges of the future effectively.

There are various benefits of Incubationship programs from society's point of view. These benefits are listed in table 18.

Table 18: Benefits of Incubationship as a new model of experiential learning to create entrepreneurship
from Society point of views

S. No.	Key Benefits	Description
1	Entrepreneurship	Incubationship programs cultivate a culture of entrepreneurship
	Culture	within society by encouraging individuals to pursue innovative
		business ideas. This culture shift promotes creativity, problem-
		solving, and resilience, which can benefit society as a whole.
2	Job Creation	Startups that emerge from Incubationship programs often create job
		opportunities, reducing unemployment rates in the community.
		These new jobs contribute to economic stability and prosperity.
3	Economic	By nurturing a diverse range of startups, Incubationship programs
	Diversification	contribute to economic diversification. A diverse economy is more
		resilient to economic downturns and less dependent on a single
		industry.
4	Local Economic	Successful startups often reinvest in the local economy by sourcing
	Impact	goods and services locally. This leads to increased economic activity
		and growth within the community.
5	Innovation Hub	Incubationship programs establish communities as hubs of
		innovation, attracting talent, investment, and business opportunities.
		This reputation can draw in entrepreneurs and investors from other
		regions, boosting the local economy.



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6	Knowledge Sharing	The mentorship and guidance provided in Incubationship programs extend beyond students. This knowledge sharing benefits the broader community by disseminating entrepreneurial expertise and best practices.
7	Inclusive Entrepreneurship	These programs often prioritize inclusivity, fostering entrepreneurship among individuals from diverse backgrounds. This inclusiveness promotes social equity and reduces economic disparities within society.
8	Community Engagement	Incubationship programs engage with the local community, creating opportunities for collaboration and partnership between universities, businesses, and community organizations. This engagement strengthens community ties and leads to mutually beneficial initiatives.
9	Sustainable Solutions	Some Incubationship programs focus on sustainable startups that address environmental and social challenges. This emphasis on sustainability contributes to a more environmentally conscious and responsible society.
10	Global Reputation	A society known for its successful startups and entrepreneurial ecosystem gains a positive global reputation. This can attract international partnerships, investments, and talent, further benefiting the local economy.
11	Knowledge-Based Economy	Incubationship programs contribute to the development of a knowledge-based economy by fostering innovation and entrepreneurship. Such economies are less reliant on traditional industries and more adaptable to change.
12	Reduced Brain Drain	In regions with strong entrepreneurial ecosystems, talented individuals are more likely to stay in the community rather than seeking opportunities elsewhere. This helps retain local talent and expertise.
13	Community Resilience	A thriving entrepreneurial ecosystem enhances a community's resilience in the face of economic challenges. Diverse businesses and startups can help cushion the impact of economic downturns.
14	Healthcare Advancements	Incubationship programs focused on healthcare and biotechnology can lead to advancements in medical research and treatments. This benefits society by improving healthcare outcomes and quality of life.
15	Access to Innovation:	Communities with Incubationship programs have improved access to innovative products and services developed by local startups. This access can lead to improved quality of life and convenience.
16	Talent Retention	These programs help retain talented individuals in the region, preventing brain drain to larger cities. This talent retention bolsters the local workforce and expertise.

In summary, Incubationship programs bring about a wide range of benefits to society, including economic growth, job creation, innovation, and community engagement. They play a pivotal role in shaping vibrant and resilient communities that are well-equipped to address the challenges and opportunities of the future.

There are various constraints of Incubationship programs from society's point of view and are listed in table 19.

 Table 19: Constraints of Incubationship as a new model of experiential learning to create

 entrepreneurship from Society point of views

S. No.	Key Constraints	Description
1	Limited	Incubationship programs may not be accessible to all members of
	Accessibility	society, potentially leaving out individuals who lack the resources or



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		opportunities to participate. This can lead to disparities in entrepreneurship opportunities.
2	Resource Allocation	These programs require significant resources, including funding, mentors, and infrastructure. In some cases, this allocation of resources to incubator programs may divert resources from other critical educational needs.
3	Exclusivity	Some Incubationship programs may become exclusive, primarily benefiting students from specific backgrounds or fields of study. This can limit diversity and hinder the development of a well-rounded entrepreneurial ecosystem.
4	Failure Stigma	Society often stigmatizes failure, and incubator programs may not fully address this issue. Students who experience setbacks or business failures may face social pressure, reducing their willingness to take risks.
5	Mismatched Expectations	There may be a disconnect between the expectations set by incubator programs and the realities of entrepreneurship. Students who expect immediate success and financial gain may become disillusioned when faced with the challenges of starting a business.
6	Overemphasis on Profit	While entrepreneurship is often associated with profit, it may not align with the goals of all individuals or benefit all aspects of society. An overemphasis on profit can neglect social and environmental entrepreneurship initiatives.
7	Local Economic Impact Variability	The impact of Incubationship programs on the local economy can vary. Not all startups will succeed, and some may not generate significant economic benefits for the community, leading to disappointment and skepticism.
8	Resource Concentration	Incubator programs can concentrate resources and attention in specific geographic areas, potentially leaving other regions underserved in terms of entrepreneurship support.
9	Dependency on External Funding	Many Incubationship programs rely on external funding sources, which can be volatile. If funding is reduced or withdrawn, it can lead to program cutbacks and reduced support for aspiring entrepreneurs.
10	Intellectual Property Concerns	Encouraging students to develop business ideas within an academic setting can raise intellectual property (IP) concerns. Universities and students may face challenges in defining ownership and rights to developed technologies or products.
11	Short-Term Focus	Incubator programs often have a short-term focus on launching startups, which may not align with the long-term needs of society. Sustaining and growing businesses beyond the incubation phase is equally important.
12	Regulatory Challenges	Entrepreneurship often involves navigating complex regulatory environments. Students and startups emerging from incubator programs may face difficulties in understanding and complying with relevant regulations.
13	Competitive Pressure	As more students participate in Incubationship programs, the competition to secure funding, mentors, and resources can intensify. This increased competition may pose challenges for newcomers.
14	Environmental Impact	The rapid growth and expansion of startups can have negative environmental impacts if sustainability is not a core focus. Unchecked growth can lead to resource consumption and waste.
15	Cultural Resistance	In some societies, there may be cultural resistance to entrepreneurship, particularly for women or certain ethnic groups. Overcoming these cultural barriers can be a constraint for Incubationship programs.



16	Economic Risk	Supporting startups inherently involves economic risk. If a significant
		number of startups fail, it can have negative economic consequences
		for investors and the broader community.

Addressing these constraints requires a balanced and inclusive approach to Incubationship programs. It involves considering the diverse needs and challenges of aspiring entrepreneurs and ensuring that these programs contribute positively to society as a whole.

The various disadvantages of Incubationship programs from society's point of view are listed in Table 20.

Table 20: Disadvantages of Incubationship	as a	new	model	of	experiential	learning	to	create
entrepreneurship from Society point of views								

S. No.	Key	Description
	disadvantages	
1	Exclusivity	Incubationship programs may not be accessible to a broad segment of society, potentially favoring those with prior advantages, financial resources, or certain educational backgrounds. This exclusivity can exacerbate inequalities in entrepreneurship opportunities.
2	Resource Allocation	These programs require significant financial and human resources. Universities and educational institutions may allocate substantial funds and faculty time to support incubator programs, diverting resources from other educational priorities.
3	Overemphasis on Entrepreneurship	While entrepreneurship is valuable, an overemphasis on this path may discourage students from pursuing other fields of study and career options that are equally important for society, such as healthcare, education, and public service.
4	Risk of Failure	Encouraging students to launch startups may expose them to financial and personal risks. If their ventures fail, they may face financial burdens and emotional stress, which can impact their overall well-being.
5	Distorted Incentives	The promise of financial success in entrepreneurship can lead students to prioritize monetary gains over societal needs. This might discourage them from pursuing ventures that address critical social and environmental challenges.
6	Short-Term Focus	Incubator programs often have a short-term focus on launching startups. This may lead students to prioritize quick wins and short- term profits over long-term, sustainable solutions to complex societal issues.
7	Inadequate Regulatory Preparedness	Students engaged in entrepreneurship may not have the necessary understanding of legal and ethical responsibilities, potentially leading to regulatory violations and societal harm.
8	Limited Focus on Social Impact	Incubator programs may not place enough emphasis on social entrepreneurship, which addresses social and environmental challenges. This can hinder the development of innovative solutions to pressing societal problems.
9	Dependence on External Funding	Many incubator programs rely on external funding sources, which can be uncertain and may compromise the program's sustainability.
10	Intellectual Property Concerns	Incubator programs may inadvertently promote a culture of intellectual property hoarding, hindering the open sharing of knowledge and innovations for the benefit of society.
11	Distraction from Academics	Students heavily involved in entrepreneurship may struggle to balance their academic commitments, potentially compromising their education.



International Journal of Case Studies in Business, IT, and Education (IJCSBE), ISSN: 2581-6942, Vol. 7, No. 4, October 2023

12	Unrealistic	Students participating in incubator programs may develop unrealistic
	Expectations	expectations about the ease of launching successful startups. This can
		lead to frustration and disappointment if their ventures encounter
		difficulties.
13	Economic	The rapid growth and failure of startups can disrupt local economies,
	Disruption	leading to job instability and economic uncertainty in the region.
14	Undermining	Encouraging all students to pursue entrepreneurship may lead to a
	Traditional Career	shortage of talent in traditional career fields, potentially affecting
	Paths	sectors like healthcare, education, and public administration.
15	Cultural Disparities	Some societies may not fully embrace entrepreneurship as a career
		choice, leading to cultural tensions and misunderstandings.
16		

To address these disadvantages, it is essential for incubator programs to adopt a balanced approach that considers the diverse needs and aspirations of students while also promoting social responsibility, ethical entrepreneurship, and long-term societal impact. Additionally, universities and educational institutions should carefully allocate resources to support a range of educational and career pathways for their students.

11. PESTL ANALYSIS OF INCUBATIONSHIP :

PESTL analysis framework supports the detailed analysis of the implementation of incubationship as an experiential learning model in higher educational institutions under external environments including political environment, Economic environment, Social environment, Technological environment, and Legal environment [111-113].

Implementing Incubationship programs in higher educational institutions can be influenced by various political environments. Table 21 lists some considerations for different political contexts.

S. No.	Key Issue	Description
1	Liberal Democracies	Supportive Policy Environment: Liberal democracies often have policies and regulations that encourage entrepreneurship and innovation. Institutions in such environments may find it easier to establish and operate Incubationship programs with government support.
2	Authoritarian States	Government Control: In authoritarian states, higher education institutions may face greater government control and restrictions on curriculum. Implementing Incubationship programs may require close alignment with government objectives and regulations.
3	Federal Systems	Varied Approaches: In countries with federal systems of government, the implementation of Incubationship programs can vary from state to state or province to province. Institutions may need to navigate different regulatory frameworks.
4	Developed Economies	Resource Availability: In economically developed regions, universities may have more resources and access to funding for Incubationship programs. However, they may also face higher competition and cost of living for students.
5	Developing Economies	Resource Constraints: Higher education institutions in developing economies may face resource constraints and a lack of funding. Implementing Incubationship programs may require creative solutions and partnerships with international organizations or businesses.
6	Political Stability	Stable Governance: Political stability is essential for long-term planning and implementation of Incubationship programs. Institutions operating in politically unstable regions may face disruptions and uncertainties.

	Table 21: Political environment to start Incub	ationship in the Higher Educational Institutions
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7	Regulatory Framework	Government Oversight: The degree of government oversight in higher education can vary. Some governments may be actively involved in shaping curriculum and program objectives, while others may have a
		more hands-off approach.
8	Innovation Policies	National Innovation Strategy: The existence of a national innovation strategy can significantly influence the implementation of Incubationship programs. Governments with robust innovation policies may provide funding and incentives for universities.
9	Public-Private Partnerships	Collaboration Opportunities: The willingness of the government to facilitate public-private partnerships can impact the success of Incubationship programs. Collaboration with private enterprises can provide resources and industry expertise.
10	Globalization	International Collaboration: In politically open environments that embrace globalization, universities may have opportunities to collaborate with foreign institutions and attract a diverse pool of students for Incubationship programs.
11	Education Funding:	Budget Allocation: The government's allocation of funds to higher education can affect the availability of resources for Incubationship programs. Universities may need to advocate for increased funding.
12	Entrepreneurship Policies	Alignment with National Goals: The alignment of Incubationship programs with the government's entrepreneurship and economic development goals can influence their acceptance and support.
13	Intellectual Property Rights	Protection and Ownership: The legal framework for intellectual property rights can impact how universities and students handle innovations and startups developed within Incubationship programs.
14	Student Mobility:	Visa and Immigration Policies: In countries with strict visa and immigration policies, attracting international students to Incubationship programs may be challenging.
15	Local Community Engagement:	Community Support: Building strong ties with the local community and businesses can garner support and resources for Incubationship programs.

It's essential for higher educational institutions to carefully assess the political environment in which they operate and tailor their Incubationship programs to align with the prevailing policies and regulations while also fostering entrepreneurship and innovation among students. Flexibility and adaptability are key in navigating the complexities of different political landscapes.

To successfully start and implement Incubationship programs in higher educational institutions, it's essential to consider various economic environments. These economic factors play a crucial role in shaping the feasibility and effectiveness of such programs. Table 22 depicts a list of economic environments to consider:

S. No.	Key Issue	Description
1	Funding	Evaluate the availability of financial resources for launching and
	Availability:	sustaining Incubationship programs. Secure funding from the
		institution, government grants, private donors, or corporate
		sponsorships to ensure program continuity.
2	Economic	Consider the overall economic development of the region where the
	Development of	institution is located. Regions with thriving economies may offer more
	the Region	opportunities for student startups to access customers, investors, and
		markets.

Table 22: Economic environment to start Incubationship in the Higher Educational Institutions



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2	A	
3	Access to	Assess the accessibility of capital for student startups. Availability of
	Capital	venture capital firms, angel investors, and crowdfunding platforms in
4		the area can significantly impact the success of student-led businesses.
4	Cost of Living	Examine the cost of living in the region, as it can influence students'
		financial stability and their ability to dedicate time and resources to their
-		startups.
5	Market Demand	Analyze the local and global market demand for products or services
		that student startups are likely to offer. A strong market can lead to better
-	x 1	opportunities for student entrepreneurs.
6	Industry	Identify industry clusters or sectors that are thriving in the region. Align
	Clusters	Incubationship programs with these industries to maximize students'
_		chances of success.
7	Tax Incentives	Explore whether there are any tax incentives or benefits available for
		startups in the region. These incentives can make it more attractive for
-	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	students to start their businesses locally.
8	Access to Co-	Consider the availability of affordable co-working spaces for student
	Working Spaces	startups. Accessible co-working spaces can reduce overhead costs and
-		facilitate collaboration among students.
9	Infrastructure	Ensure that the region has adequate technological infrastructure,
	and	including high-speed internet and access to essential software and tools
	Technology:	needed for startups.
10	Economic	Evaluate the overall economic stability of the region. A stable economic
	Stability	environment reduces uncertainties that could impact student startups.
11	Job Market and	Assess the job market and employment opportunities available for
	Employment	students after graduation. Highlight how Incubationship programs can
	Opportunities	empower students to create their jobs if traditional employment
	-	opportunities are limited.
12	Return on	Calculate the potential ROI for both the institution and students
	Investment	participating in the Incubationship program. Demonstrating a positive
10	(ROI)	economic impact can garner support from stakeholders.
13	Global	Stay informed about global economic trends and their potential
	Economic	influence on startup opportunities and markets. Help students adapt to
	Trends	changing economic conditions.
14	Economic	Establish partnerships with local businesses, chambers of commerce,
	Partnerships	and economic development agencies to leverage their resources and
		networks for the benefit of student entrepreneurs.
15	Access to	Explore opportunities for student startups to access international
	Export Markets	markets. Global trade agreements and export incentives can facilitate
		market expansion.
16	Cost-Benefit	Conduct a cost-benefit analysis of Incubationship programs to assess
	Analysis	their economic viability and long-term sustainability.

By taking into account these economic environments, higher educational institutions can create Incubationship programs that are not only academically enriching but also economically advantageous for students and the broader community.

Implementing Incubationship programs in higher educational institutions involves considering the social environment in which these institutions operate. Table 23 depicts various social factors that can influence the successful start and implementation of Incubationship programs:

S. No.	Key Issue	Description
1	Student	Cultural Background: The diversity of student populations can affect the
	Diversity	types of business ideas and ventures that emerge within Incubationship



		T Oblion Tion
		programs. Institutions with a broad mix of cultures may foster a wider
		range of innovative concepts.
2	Community	Local Ecosystem: The level of involvement and support from the local
	Engagement	community, including businesses, can greatly impact Incubationship
		programs. Strong ties with local entrepreneurs and organizations can
		provide valuable resources and networking opportunities.
3	Student Support	Mentorship Availability: The availability of experienced mentors and
	Services	advisors for students is crucial. Institutions should ensure that
		mentorship networks are well-established and accessible to all
		participating students.
4	Entrepreneurial	Promoting Entrepreneurship: The prevalence of an entrepreneurial
	Culture	culture within the institution can inspire students to engage in
		Incubationship programs. Events, competitions, and seminars on
		entrepreneurship can contribute to this culture.
5	Gender	Encouraging Diversity: Ensuring that Incubationship programs are
	Inclusivity	inclusive and encourage participation from individuals of all genders is
		essential for a diverse and innovative entrepreneurial ecosystem.
6	Resource	Investment in Programs: Adequate funding and resource allocation by
	Allocation	the institution for Incubationship programs can significantly impact
		their success. Resources may include funding for student startups, co-
		working spaces, and equipment.
7	Technology	Digital Infrastructure: Access to technology and digital infrastructure is
	Access	vital for students to conduct research, develop prototypes, and access
		online resources relevant to their business ideas.
8	Student	Collaborative Spaces: The availability of collaborative spaces within the
	Collaboration	university can facilitate teamwork among students working on startup
		projects, enhancing their creative and problem-solving abilities.
9	Market Demand	Local Market Opportunities: The social and economic needs of the local
		market can influence the types of startups that students choose to pursue
		within Incubationship programs. Programs should align with local
		demand.
10	Alumni	Engaging Graduates: Involving alumni who have successfully launched
	Engagement	startups through Incubationship programs can inspire and mentor
		current students, fostering a sense of community and continuity.
11	Networking	Industry Connections: Social events, conferences, and networking
	Opportunities	opportunities with industry professionals can help students build
		relationships that are essential for the success of their startups.
12	Student	Intrinsic Drive: The motivation of students to engage in Incubationship
	Motivation	programs can be influenced by social factors such as peer influence, role
1.0		models, and the perceived value of entrepreneurship in society.
13	Supportive	Encouraging Educators: Faculty members who are supportive of
	Faculty	Incubationship programs and actively engage with students can play a
	~	crucial role in encouraging participation and success.
14	Crisis	Adaptation to Challenges: The ability of Incubationship programs and
	Resilience	institutions to adapt to social crises (e.g., pandemics) can impact their
		continuity and effectiveness.
15	Cultural	Risk Acceptance: The cultural perception of failure and risk-taking can
	Perception of	affect students' willingness to engage in entrepreneurship. Societies that
	Failure	are more accepting of failure as a learning experience may have more
		resilient entrepreneurs.
16	Community	Collaborating with Local Organizations: Collaborating with local
	Partnerships	businesses, government agencies, and nonprofit organizations can
		extend the reach and impact of Incubationship programs into the broader
		community.



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17	Ethical	Social Responsibility: The social and ethical dimensions of student
	Considerations	startups should be considered, and programs should encourage
		responsible and sustainable entrepreneurship.
18	Support for	Industry Relevance: The social environment should allow for a wide
	Diverse	range of industry focus areas within Incubationship programs to cater to
	Industries	diverse student interests and regional economic needs.

Higher educational institutions should take into account these social factors when designing and implementing Incubationship programs to create a conducive environment for student entrepreneurship and innovation. Flexibility and responsiveness to the evolving social context are key to the long-term success of these programs.

Incorporating technological environments into the implementation of Incubationship programs in higher educational institutions can greatly enhance the effectiveness and reach of these programs. Table 24 depicts are various technological factors to consider when starting and implementing Incubationship initiatives:

S. No.	Key Issue	Description
1	Digital Learning Platforms:	Online Resources: Utilize digital learning platforms to provide students with access to a wide range of educational resources, including entrepreneurship courses, webinars, and industry-specific knowledge.
2	Virtual Incubators	Online Collaboration Tools: Create virtual incubators where students can collaborate remotely using tools like video conferencing, project management software, and virtual whiteboards.
3	Artificial Intelligence (AI) and Data Analytics	Market Research: Leverage AI and data analytics to assist students in conducting market research, identifying trends, and making data-driven decisions for their startups.
4	Simulation Software	Business Modeling: Offer simulation software that allows students to simulate various business scenarios, helping them refine their business models and strategies.
5	Prototyping Tools	Digital Prototyping: Provide access to digital prototyping tools, enabling students to create and test product prototypes virtually before moving to physical production.
6	Funding Platforms	Crowdfunding: Encourage students to explore crowdfunding platforms for startup funding, teaching them how to leverage technology for fundraising.
7	Online Mentorship Platforms	Virtual Mentorship: Facilitate virtual mentorship through online platforms, connecting students with experienced entrepreneurs and industry experts from around the world.
8	Blockchain for Intellectual Property	IP Protection: Utilize blockchain technology to help students protect their intellectual property and ideas related to their startups.
9	E-commerce Integration	Online Sales: Teach students how to set up and manage e-commerce platforms for their startups, enabling them to reach a global customer base.
10	Social Media Marketing	Digital Marketing: Provide training in digital marketing and social media strategies, allowing students to effectively promote their startups online.
11	Cloud Computing	Scalability: Encourage students to use cloud computing resources to scale their startups as they grow, ensuring cost-efficiency and flexibility.
12	IoT (Internet of Things)	Product Enhancement: Explore how IoT technology can be integrated into product offerings, enhancing the functionality and marketability of student startups.

 Table 24: Technological environment to start Incubationship in the Higher Educational Institutions



1		
13	Big Data	User Insights: Analyze big data to gain insights into user behavior and
	Analytics	preferences, helping students tailor their products and services to meet
		customer needs.
14	Virtual Reality	Enhanced Experiences: Explore how VR and AR can be used to create
	(VR) and	immersive customer experiences or assist in product development and
	Augmented	testing.
	Reality (AR)	
15	Cybersecurity	Data Protection: Ensure that students are well-versed in cybersecurity
	Training	practices to safeguard their startups against potential threats and data
		breaches.
16	AI-powered	Customer Support: Teach students how to implement AI-powered
	Chatbots	chatbots for efficient customer support, enhancing user experiences.
17	Online Pitch	Pitch Practice: Organize online pitch competitions where students can
	Competitions	practice presenting their startup ideas to a broader audience, including
		potential investors.
18	Blockchain for	Tokenization: Explore blockchain-based fundraising options, such as
	Funding	tokenization of assets, for students seeking alternative funding methods.
19	Remote	Global Teams: Encourage students to build international teams through
	Collaboration	remote collaboration tools, leveraging talent from diverse geographical
	Tools	locations.
	AI-driven	Market Prediction: Utilize AI to predict market trends and consumer
	Market Insights:	preferences, helping students make informed decisions about their
		startup strategies.
	3D Printing	Prototyping: Introduce students to 3D printing technology for rapid
	L Č	prototyping, reducing the time and cost of product development.

By integrating these technological elements into Incubationship programs, higher educational institutions can prepare students to thrive in a technology-driven entrepreneurial landscape and empower them to create innovative, tech-savvy startups.

Implementing Incubationship programs in higher educational institutions requires navigating various legal aspects to ensure compliance and protect the interests of all stakeholders involved. Table 25 contains a list of legal environments to consider when starting and implementing Incubationship initiatives.

S. No.	Key Issue	Description
1	Intellectual	IP Ownership: Establish clear guidelines on intellectual property
	Property Rights	ownership, ensuring that students and the institution understand their
	(IPR)	rights and responsibilities regarding innovations developed during the
		program.
2	Confidentiality	Protection of Ideas: Encourage the use of NDAs to safeguard students'
	and Non-	startup ideas and sensitive information shared with mentors, advisors,
	disclosure	and fellow participants.
	Agreements	
	(NDAs)	
3	Student	Program Terms: Develop legal agreements outlining the terms and
	Agreements	conditions of participation in the Incubationship program, including
		rights, responsibilities, and expectations.
4	Contracts with	Responsibilities: Create contractual agreements with mentors and
	Mentors and	advisors specifying their roles, responsibilities, compensation (if any),
	Advisors	and the protection of intellectual property.
5	Funding and	Investor Rights: Establish legal frameworks for funding rounds and
	Investment	investment agreements, including equity stakes, terms, and conditions
	Agreements	for investors supporting student startups.

Table 25: Legal environment to start Incubationship in the Higher Educational Institutions



6	Data Protection	Personal Data Handling: Ensure compliance with data protection
	and Privacy	regulations, such as GDPR or CCPA, when collecting and handling
	Laws	personal data of students, mentors, or program participants.
7	Compliance	Fundraising Compliance: Understand and adhere to securities laws and
	with Securities	regulations when seeking investments or conducting crowdfunding
	Laws	campaigns for student startups.
8	Business Entity	Legal Structure: Assist students in choosing appropriate legal structures
	Formation	(e.g., LLC, corporation) when forming their startups, considering tax
		implications and liability protection.
9	Employment	Hiring Practices: Educate students on employment laws and regulations,
	Laws:	including fair hiring practices, wage laws, and employment contracts if
		they hire employees.
10	Contractual	Vendor Contracts: Draft and review contractual agreements for services
	Agreements	and resources provided to the Incubationship program, such as co-
		working space rentals or software licenses.
11	Ethical	Ethical Conduct: Establish ethical guidelines and codes of conduct for
	Guidelines	students, mentors, and advisors participating in the program to maintain
		integrity and professionalism.
12	Insurance	Liability Insurance: Consider obtaining liability insurance to protect the
	Coverage	institution and program participants in case of legal claims or disputes.
13	Taxation and	Tax Compliance: Ensure that financial activities, including funding
	Financial	received and expenditures, are in compliance with tax laws and financial
	Reporting	reporting requirements.
14	Dispute	Conflict Resolution: Define dispute resolution mechanisms, such as
	Resolution	mediation or arbitration, to address conflicts that may arise among
	Mechanisms	program participants.
15	Accessibility	Accessibility Compliance: Ensure that the program and its materials are
	and Inclusivity	accessible to all students, including those with disabilities, in
		compliance with accessibility laws.
16	Compliance	Export Restrictions: Educate students on export control laws and
	with Export	regulations if their startups involve the development or distribution of
	Control Laws	products or technologies subject to export restrictions.
17	Compliance	Non-discrimination: Ensure that the program complies with anti-
	with Anti-	discrimination laws, promoting diversity and equal opportunities for all
	discrimination	participants.
	Laws:	
18	Local and	Cross-border Operations: If the program involves international
	International	activities, be aware of and comply with relevant international
	Regulations	regulations and trade laws.
19	Health and	Safety Standards: Implement health and safety protocols, especially if
	Safety	the program involves physical spaces, to comply with local safety
	Regulations	regulations.
20	Public Funding	Government Grants: If the program receives public funding or grants,
	Compliance:	ensure compliance with the terms and conditions of those funding
		sources.

By addressing these legal environments, higher educational institutions can create a supportive and legally compliant framework for Incubationship programs, providing students with a secure and transparent entrepreneurial learning experience while protecting the institution's interests.

12. PROPOSITIONS & SUGGESTIONS :

Some further suggestions to start and implement Incubationship programs effectively in higher educational institutions are:

(1) Creating a Supportive Ecosystem:



(a) Establish an ecosystem that fosters innovation and entrepreneurship within the university. This includes creating dedicated spaces for brainstorming, collaboration, and prototyping.

(b) Develop partnerships with local and regional business incubators, accelerators, and industry associations to provide students with access to a broader entrepreneurial network.

(2) Interdisciplinary Collaboration:

(a) Encourage interdisciplinary collaboration among students. Innovation often thrives at the intersection of different fields, so create opportunities for students from various disciplines to work together on entrepreneurial projects.

(b) Offer joint courses or workshops that bring together students from diverse backgrounds to tackle real-world challenges.

(3) Alumni Engagement:

(a) Involve alumni who have successfully launched startups in mentoring current students. They can provide valuable insights, advice, and even funding opportunities.

(b) Organize alumni networking events where former students can connect with aspiring entrepreneurs, fostering a sense of community and continuity.

(4) Access to Funding:

(a) Explore partnerships with venture capital firms, angel investors, and government grants to provide funding opportunities for student startups.

(b) Establish a seed fund or grant program within the university to provide initial capital for promising ventures.

(5) Intellectual Property and Legal Support:

(a) Offer guidance on intellectual property (IP) protection and patent filing for innovative ideas. Ensure that students understand how to safeguard their intellectual assets.

(b) Provide access to legal advisors who can assist with business registrations, contracts, and compliance matters.

(6) Inclusive Approach:

(a) Ensure that incubationship programs are inclusive and accessible to a diverse student population, including those from underrepresented backgrounds.

(b) Promote gender diversity in entrepreneurship by actively encouraging and supporting female students in pursuing their startup ideas.

(7) Continuous Evaluation and Improvement:

(a) Regularly evaluate the effectiveness of the incubationship program through feedback from students, mentors, and industry partners.

(b) Use data and key performance indicators to track the success of student startups and make improvements based on insights gained.

(8) International Exposure:

(a) Explore opportunities for international collaborations and exchanges in entrepreneurship. Partner with foreign universities or institutions to provide students with a global perspective.

(b) Consider offering overseas internships or startup incubation programs to expose students to different markets and cultures.

(9) Ethical Entrepreneurship:

(a) Emphasize the importance of ethical business practices and social responsibility in entrepreneurship education.

(b) Encourage students to develop startups that address social or environmental challenges, promoting a positive impact on society.

These suggestions can help higher educational institutions develop robust and effective incubationship programs that not only nurture entrepreneurial skills but also contribute to the growth and innovation of the wider community. It's essential to adapt these ideas to the specific needs and goals of each institution and regularly assess their impact for continuous improvement.

13. CONCLUSION :

In conclusion, the introduction of incubationship programs in higher educational institutions represents a transformative leap into the future of education, entrepreneurship, and innovation. Through careful planning, implementation, and rigorous analysis, these programs bridge the gap between theoretical knowledge and practical skills, enabling students to become self-reliant, forward-thinking, and



International Journal of Case Studies in Business, IT, and Education (IJCSBE), ISSN: 2581-6942, Vol. 7, No. 4, October 2023

problem-solving individuals. The traditional higher education landscape, while essential, often falls short in preparing graduates for the complexities of the modern world. Incubationship serves as a dynamic catalyst for change, fostering a culture of innovation and entrepreneurship within universities. Moreover, mentorship emerges as a powerful component, linking students with industry experts who provide invaluable insights and confidence. Incubationships provide a platform for students to explore their innovative ideas, think creatively, and create groundbreaking solutions, thereby benefitting both individual students and the universities themselves as hubs of creativity. This paradigm shift also cultivates job creators, addressing unemployment and driving economic growth.

Importantly, incubationship programs transcend borders, creating a global impact as entrepreneurial graduates tackle pressing global challenges and contribute to economic development on a global scale. The comprehensive journey of incubationship—from idea generation to scaling and growth—equips students with the necessary tools, skills, and resources for entrepreneurial success. It fosters a supportive environment that minimizes risks associated with startups, all while emphasizing ethical entrepreneurship and social responsibility.

Incorporating SWOC (Strengths, Weaknesses, Opportunities, Challenges) analysis, ABCD (Advantages, Benefits, Constraints, and Disadvantages) analysis, and PESTL (Political, Economic, Social, Technological, Legal,) analysis in the planning and implementation stages ensures a well-rounded understanding of the program's impact and effectiveness. Regular evaluation and adaptation based on data and feedback are key to continuous improvement.

In essence, incubationship in higher educational institutions is not just an educational method; it is a driving force shaping the future generation of innovators and problem solvers. As we embrace this transformative approach, we embark on a journey that has the potential to reshape the landscape of higher education and empower students to thrive in a world that is more interconnected, dynamic, and complex than ever before.

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