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## **“Incubation Centers Are The Pillars Of Entrepreneurship Development”- A Study On Role Of Technology Business Incubators In Promoting Entrepreneurship With Special Reference To Uttarakhand State**

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### **ABSTRACT**

Incubation centers play a crucial role in identifying as well as supporting the entrepreneurial potential among the future entrepreneurs. Now days, universities, corporate, Government and other well recognized institutions are working enthusiastically to promote the zeal of entrepreneurship among each and every person associated with them especially the young generation. They have well equipped TBI so as to welcome and support the emerging entrepreneurial ideas by way of technology, manpower, finance, liasoning etc. The successful operation of incubation centers helps in generation of more employment opportunities and thus facilitating in converting job seekers into job creators and making the population in fact nation, self sufficient. The present paper focuses on identifying the role of such incubation centre in Uttarakhand state development.

**Keywords:** Potential, job creators, self sufficient.

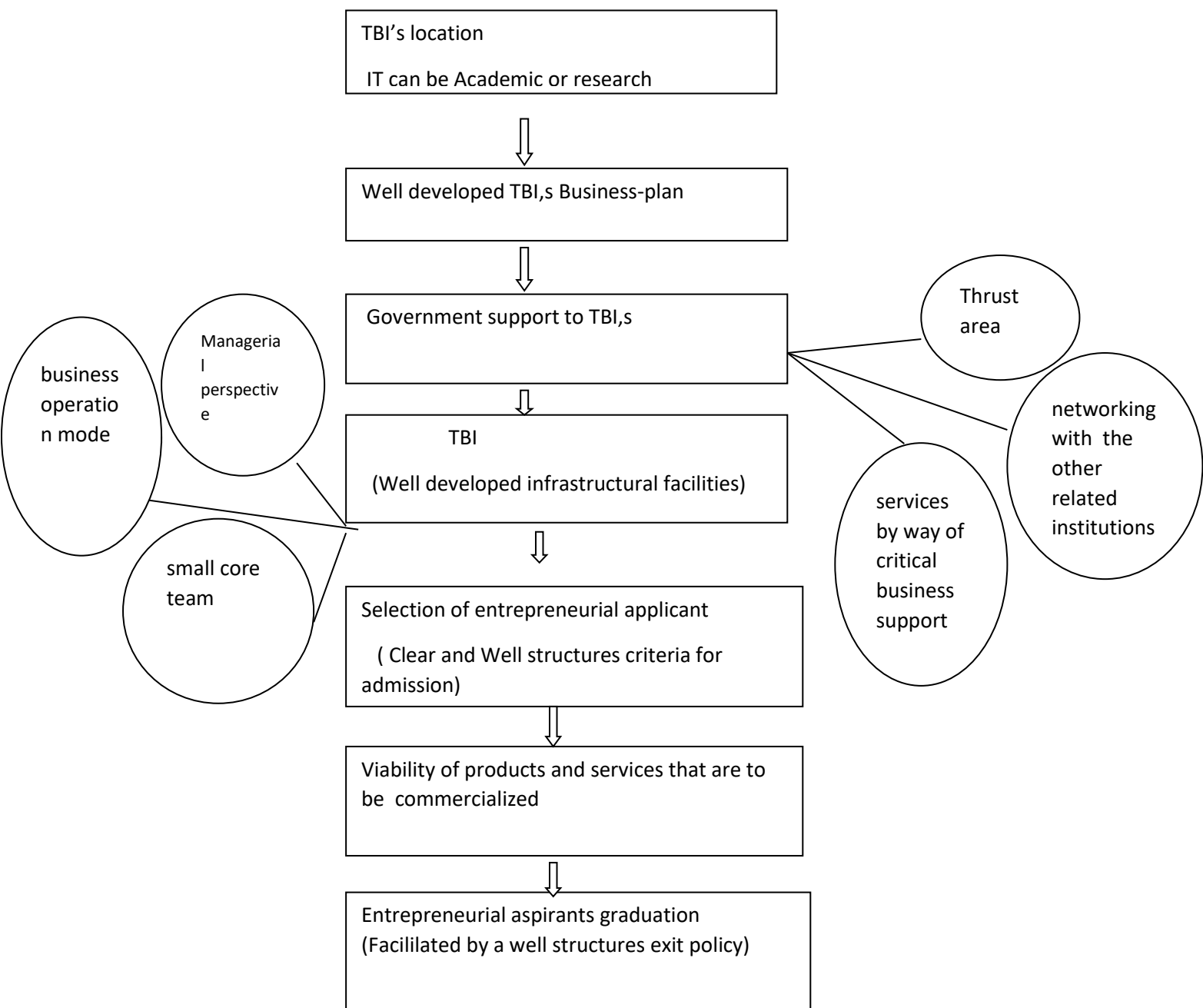
### **INTRODUCTION**

The state of uttarakhand is working effortlessly to recognize and support entrepreneurship talent among the population on a vast scale so as to make them independent job creators rather than job seekers. Entrepreneurship is the process of identifying entrepreneurial potential among the people and helping them to convert their dreams into reality. Business /technology incubators are one of the crucial medium in accomplishing such dream. Business incubators are the set ups within the organizations to promote the engrossing ideas of small ventures among the entrepreneurship aspirants. As we all know that the development of any nation not only depends on the large scale

businesses but on the contribution of small scale business set ups also. Such set ups are being given wings through TBI. In uttarakhand we have number of private , state and mix TBI's who continuously work for the Growth and development of the state.

Necessary technology and infrastructure support is provided by TBI,s to the emerging hi tech entrepreneurial ideas. Technology business incubators helps in identifying the hidden entrepreneurial potential among the people by way of welcoming and supporting their prototypes and facilitating them with 360 degree support.

**TBI,s GENERAL WORKING MODEL**



From the above diagram it can be viewed that the successful running and execution of TBI depends upon various factors such as effective business plan, support from the side of government and external agencies. Further there should be a small core team and networking with the support organization for ensuring smooth functioning of TBI. In addition to this there should be a clear cut plan for sources of funding including inflows and outflows. All the above facilities should be inculcated in TBIs for providing sophisticated environment to the aspirants. A well developed incubation model helps in providing conducive business environment to the entrepreneurship aspirants so as to utilize their efficiency to the fullest.

## **REVIEW OF LITERATURE**

**Shivali Rathore(2014)** in their research paper identified the role of high rated engineering and management colleges in promotion of entrepreneurial education among their students and employees through well developed business/technology incubation centre's.

**Manoj Joshi(2015)** enlightened the role of incubation centre's specifically in determining the success rate of start ups. He further focused on the effective sources of funding available to emerging entrepreneurs in setting up of their small and medium enterprises.

**Sameer Mumtaz(2017)** in their research highlighted on the role and importance of incubation centres in transforming the mind set of aspirants from job seekers to job creators. Thus, contributing in generation of more and more employment opportunities and making a self reliant state, moreover nation.

**N.Ramar and V.Prabhakaran (2020)** in their paper explain the significance of business incubators in fostering small scale business in the state of Uttarakhand. They further emphasized on the fact that incubation centers provide proper amenities to the new entrants in the field of entrepreneurship. Thus, they contribute in development of the nation as a whole.

**Kaushal Saad (2020)** explained in his research (empirical analysis) about the advantages and disadvantages of funding and supporting startups through business incubators. According to him, a startup must do due diligence before enrolling itself with particular incubation centre.

## **TECHNOLOGY BUSINESS INCUBATORS IN UTTARAKHAND PROMOTING SMALL AND MEDIUM ENTERPRISES**

In the state of Uttarakhand, a good number of technology business incubators have been built within the premises of various universities and corporate for developing a spirit of

**2587 | Roohi Naaz                      "Incubation Centers Are The Pillars Of Entrepreneurship Development"- A Study On Role Of Technology Business Incubators In Promoting Entrepreneurship With Special Reference To Uttarakhand State**

entrepreneurship among their associates. Such centres help in providing all necessary support to the entrepreneurs especially in the areas of small and medium sector enterprises. Ministry of Commerce, the department of Science and technology and other supporting government and semi government organizations work synergise their efforts in promotion of entrepreneurship in the state of Uttarakhand. There a number of foreign agencies also which facilitated in the smooth functioning of incubation centres in Uttarakhand.

### A comprehensive list of Technology Business incubators in Uttarakhand

Name of Incubator	Host Institution	Location	Contact Person	Email Address
<b>Rural Business Incubator</b>				
1	Rural Business Incubator – Almora	Department of Rural Development, Govt. of Uttarakhand	Almora	Dr. Prabhakar Bebni pcbebni1@gmail.com
2	Rural Business Incubator - Pauri Garhwal	Department of Rural Development, Govt. of Uttarakhand	Pauri Garhwal	Dr. Prabhakar Bebni pcbebni1@gmail.com
<b>Private Incubators</b>				
3	UPES Council for Innovation and Entrepreneurship	University of Petroleum and Energy Studies	Energy Acres Bidholi, Dehradun	Mr. Mohit Nagpal mnagpal@ddn.upes.ac.in
4	Tula's Technology and Business Incubator	Tula's Institute	Village Dhoolkot, P.O. Selaqui	Dr. Raghav Garg raghav.garg@tulas.edu.in

<b>Name of Incubator</b>	<b>Host Institution</b>	<b>Location</b>	<b>Contact Person</b>	<b>Email Addresses</b>
5	TBI Graphic Era University, Dehradun	Graphic Era (Deemed to be University)	Technology Business Incubator, Graphic Era University 566/6, Bell road, Clement Town	Mr. Pramo d Prabhu dev directortbi@geu.ac.in
6	Startup Incubator and Entrepreneurship Development Society, Pant Nagar	G.B. Pant University Of Agriculture And Technology	Pantnagar, 263145 Uttarakhand	Mr. Satish Sharma gbpuatstartup@gmail.com
7	COER Incubation & Innovation Centre	College Of Engineering Roorkee	7th Kms, Roorkee-Haridwar Highway, Roorkee-247667, Uttarakhand, India	Prof. B. D. Patel dr.bmsingh1981@gmail.com
8	Centre of Innovation, Incubation, Entrepreneurship & Start Up (CIIES)	DIT University	Mussoorie-Diversion Road, Village Makkawala, Dehradun, Uttarakhand-248009, India	Dr. U. C. Agarwal director.ciies@dituniversity.edu.in

2589 | Roohi Naaz “Incubation Centers Are The Pillars Of Entrepreneurship Development”- A Study On Role Of Technology Business Incubators In Promoting Entrepreneurship With Special Reference To Uttarakhand State

<b>Name of Incubator</b>	<b>Host Institution</b>	<b>Location</b>	<b>Contact Person</b>	<b>Email Addresses</b>
9	IIM Kashipur Foundation for Innovation and Entrepreneurship Development	IIM Kashipur	IIM Kashipur, Kundeshwari, Kashipur, District-Udham Singh Nagar, Kashipur, Uttarakhand 244713	Mr. Shibanda Das shibananda.epgp1732@iimkashipur.ac.in
10	Indradhanush TBI	Shirom innovation trust	159/11, Lane No-1, Inder Bawa Marg, Rajpur Road, Dehradun-248009	Mr. Arun Kumar Tyagi arun@indradhanush.com
11	Software Technology Parks of India	Software Technology Parks of India	IT-01, Integrated Industrial Estate (IIE) I.T. Park, Sahastradhara Road Dehradun Uttarakhand, Pin - 248013	Sh. Maneesh Kumar maneesh.kumar@stpi.in

Name of Incubator	Host Institution	Location	Contact Person	Email Address
12	ROORKEE INSTITUTE OF TECHNOLOGY, ROORKEE	ROORKEE INSTITUTE OF TECHNOLOGY, ROORKEE	8 KM DEHRADU N ROAD PUHANA ROORKEE	Dr. Parag Jain director@ritroorkee.com
13	TIDES Business Incubator	IIT Roorkee	TIDES BI, IIT Roorkee, Roorkee	Manish Singhal manish.tides@iitr.ac.in

Source: [www.startuputtarakhand.com](http://www.startuputtarakhand.com)

Maximum number of incubation centres in Uttarakhand focuses on innovation, technological advancement, essential training and support to the incubates for their growth and development. Tbi's assist their aspirants in diversified areas of financial planning and forecasting, resource management, training and development facilities, layout and design planning, human resource palnning and management, salary and remuneration planning, advertising and marketing and many more areas.

#### TECHNOLOGY BUSINESS INCUBATORS- SERVICES OFFERED IN THE STATE OF UTTARAKHAND

Services provided	Total training percentage of prospective entrepreneurs
Tecnological support	86%
Training facilities	75%
Marketing and advertising consultancy	46%
space for prospective entrepreneurs	82%
Logistics support	84%
Business planning and DPR	90%
Financing enterprise through venture capital	45%

Source: Department of SSI, Government of Uttarakhand.

From the above graph, it can clearly seen that business planning and detailed project report preparation are the services that are provided on vast scale to the entrepreneurs. Their percentage is 90 % as per small scale industries report. Further it has been

2591 | Roohi Naaz "Incubation Centers Are The Pillars Of Entrepreneurship Development"- A Study On Role Of Technology Business Incubators In Promoting Entrepreneurship With Special Reference To Uttarakhand State

showcased in the above report that technological support is the second highest rate of services provided to entrepreneurs in Uttarakhand. Then comes the logistics support followed by training facilities, marketing and financial facilities.

## **SUPPORT SERVICES OFFERED BY TBI'S IN UTTARAKHAND**

**Technology business incubators provides the following support services as follows:**

### **1. Technological support**

TBI's facilitates the aspiring entrepreneurs with adequate technological support to start their ventures. In today's modernized business world each and every person wants to enjoy the benefit of technological advancement. Such benefit is provided by TBI to the small business in the form of upgraded technological services like automated system of production, automated billing mechanism, automated platform for selling goods and services, automated grievances redressal etc.

### **2. Financial support**

These incubators have been established by private or government bodies for fulfilling the dreams of thousands of entrepreneurs who have excellent business ideas but because of the incapability of raising funds, their ideas get ruined in dust. Therefore TBI's helps such small businesses as well as entrepreneurs in converting their ideas into business.

Financial assistance in terms of research, loan, equity are provided to the small business so that they can enter and sustain in a dynamic market.

### **3. Entrepreneurial Support**

Entrepreneurial support is provided to all such applicants who have a lack of entrepreneurial skills and talents but have good business ideas. Proper training sessions and workshops are conducted for the entrepreneurs so as to enhance their entrepreneurial acumen. Risk management, opportunities identification on right time, management of diversified talents, financial management, stress management etc are some of the services that are provided under the umbrella of entrepreneurial support.

### **4. Networking Support**

Networking plays a very important role in any business be it small or large. Business networking not only helps in getting the benefit of latest services available in a particular field but it also helps in building good contacts with various associated stakeholders. Proper networking with suppliers, marketers, financial institutions, export import agents, customers, advertisers, human resource agents facilitates entrepreneurs in smooth functioning of their business. TBI's helps the SSI's to avail such services.

## **CONCLUSION**

**2592 | Roohi Naaz                      "Incubation Centers Are The Pillars Of Entrepreneurship Development"- A Study On Role Of Technology Business Incubators In Promoting Entrepreneurship With Special Reference To Uttarakhand State**



In India Gujarat is the biggest state for promoting and generating entrepreneurial acumen among people. Then Haryana comes at second place. Uttarakhand needs to work consistently to encourage entrepreneurship in its arena. Proper support should be provided to the entrepreneurial aspirants be it in terms of business plan, feasibility report, loans, marketing support, technological support and many more so as to increase the entrepreneurial base in the state of Uttarakhand. TBI's in Uttarakhand be it private, state or joint needs to work enthusiastically to welcome and support more and more number of entrepreneurial aspirants who otherwise face the problem of converting their ideas into a real business picture. This approach will help in shifting the perception of Uttarakhand from job seeker state to the job creator state. Thus it will help in making this state self reliant.

## **RECOMMENDATIONS**

From the above research, it is very much clear that the growth as well as the need for independence of any state depends on the effectiveness of TBI,s functioning within its boundaries. Although there are many private and state universities who have already developed TBI,s within their premises, still the number is less. The government of Uttarakhand needs to focus more in the area of TBI for entrepreneurial development. Required policies should be framed up on continuous basis for encouragement of entrepreneurship through TBI,s and not only policy framing but their appropriate execution is must for making Uttarakhand a self reliant and a job provider state.

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- <https://iimuic.org>