

## Appendix-I Details on Questionnaire and data Collection

### Appendix-I (1) Questionnaire Validation Details

Sr. No.	Name	Designation	Organi- sation	Specialisation	Date of Validation	Suggestions
1	Dr. Ravi Kumar Goyal	Guide & Principal, School of Entrepreneurship Skills	BSDU	Mechanical Engineering	05 April 2019	To circulate among experts
2	Dr. J.S.Saini	Professor & Head (Retd.) Entrepreneurship Development & Industrial Coordination	NITTTR, Chandigarh	Entrepreneur ship	06 April 2019	To focus more on entrepreneu- rial inputs
3	Prof. Bharath Singh Rathod	Professor & Head (Retd.) Entrepreneurship Development & Industrial Coordination	NITTTR, Chandigarh	Entrepreneur ship	09-10 April 2019	To emphasise on entrepre- neurial components
4	Dr. P. Chandra Shekara	Director General	NIAM, Ministry of Agriculture , Govt. of India Jaipur	Entrepreneur ship & Skill Development	12 April 2019	1)To give rating to the scale 2)To change the order of questions 3) To include job related questions
5	Dr. Kumkum Garg	Dean	BSDU, Jaipur	IT & Computing Skills	16 April 2019	1) To take care of grammar 2) To use suitable terminology
6	Dr. Lalit K. Panwar, IAS (Retd.)	Vice Chancellor	Rajasthan ILD Skills University, Jaipur	Skill Development	23 April 2019	Approved
7	Prof. Charanjeet Kaur Pabla	Controller of Examination	BSDU, Jaipur	Education	16, 25, 26 and 27 April 2019	1)To include negative questions 2) To jumble the questions 3) Other quality parameters

### Appendix-I (2) Schedule for Pre-Testing of Questionnaire

Sr. No.	School	Program & Semester	Date	Time	No. of Students
1	Office Administration Skills	B.Voc, 1 <sup>st</sup> Semester	29.04.2019	01.00 pm	02
2	Carpenter Skills	B.Voc, 3 <sup>rd</sup> Semester	29.04.2019	02.30 pm	03
3	HVAC & Refrigeration Skills	B.Voc, 1 <sup>st</sup> Semester	30.04.2019	09.00 am	02
4	Automotive Skills	B.Voc, 1 <sup>st</sup> Semester	30.04.2019	11.30 am	07
5	Automotive Skills	B.Voc, 3 <sup>rd</sup> Semester	30.04.2019	11.30 am	02
6	Manufacturing Skills	B.Voc, 1 <sup>st</sup> Semester	30.04.2019 01.05.2019	02.30 pm	02
7	Manufacturing Skills	B.Voc, 3 <sup>rd</sup> Semester	30.04.2019 01.05.2019	02.30 pm	01
8	Manufacturing Skills	B.Voc, 5 <sup>th</sup> Semester	30.04.2019 01.05.2019	02.30 pm	02

### Appendix-I (3) Reliability Details

<b>Reliability</b>			
<b>Table No</b>	<b>Statement</b>	<b>Lee Cronbach Alpha</b>	<b>Rating</b>
1	Relevance of subject to your B.Voc. program	0.777	Good
2	Adequacy of Entrepreneurial Inputs	0.921	Excellent
3	Choice of future career	0.726	Good
4	Factors leading to success of selected field	0.7	Good
5	Opinion on importance of job	0.786	Good
6	Comparative opinion between job and business	0.878	Better
7	Opinion on starting own business	0.708	Good
8	Role of Skill Education in developing entrepreneurial characteristics	0.882	Better
9	Opinion on Skill Education contribution towards entrepreneurship	0.718	Good
10	Opinion on achieving success in business	0.956	Excellent
11	Motivating factor towards entrepreneurship	0.716	Good
12	Preference between job and business	0.72	Good
13	Opinion on societal response to entrepreneurs	0.864	Better
14	What is your final desire	0.731	Good
15	Estimated time that you are likely to start enterprise	0.786	Good

## Appendix-I (4) Questionnaire

### A Study on Entrepreneurial Intention Among Students of Skill Universities in Rajasthan, India

Respondent Sl.No\_\_\_\_\_, D.Voc/B.Voc,

*Please read the instructions before filling up the Questionnaire*

- a. This Questionnaire seeks your opinion on Skill Education and Entrepreneurial Intention.
- b. Responses will be kept confidential.
- c. Read each statement/question carefully.
- d. Please write complete and correct information.
- e. Please tick mark (✓) wherever Yes/No and other options are given.

#### A. PERSONAL/DEMOGRPHIC DIMENSION:

1. Information on student:

Name of the Student									
Age (in years)									
Gender	Male				Female				
District									
State									
Mobile No.									
Alternate Mobile No.									
E-mail ID									
Location (Geographic Region)				City		Town		Village	
Is there any industrial estate in your area						Yes		No	
Religion	Hindu	Muslim		Christian		Sikh		Others	
Category	General	OBC	BC	SC	ST	Minorities		Others	

2. Educational Details:

Class/ Programme	Board/ University	District/ State	Major Subjects	Year of Passing	Percentage/ Grade/CGPA	Award/Merit Distinction

3. Name of any other Certificate/Programme: \_\_\_\_\_

4. Extra-Curricular Activities Please (✓): Sports/Arts/NCC/NSS/Cultural/Others

5. Information on Parents:

Sr.No	Particulars	Father	Mother
1	Name		
2	Age (in years)		
3	Mobile No		
4	Educational Qualification		
5	Govt. Service		
6	Private Service		
7	Own Business		
8	If Business	Name of Product	
		Name of Service	
9	Annual Income (Rupees)		
10	Annual Turnover (Rupees)		
11	Family Business		
12	Agriculture		
13	Home Maker		
14	Others		

6. Order of birth among your brothers/sisters:

1 <sup>st</sup> Born	2 <sup>nd</sup> Born	3 <sup>rd</sup> Born	4 <sup>th</sup> Born	5 <sup>th</sup> Born	Any other
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7. Information on children in your family:

Sl. No.	Name of the Sibling	Brother/Sister	Elder/Younger	Educational Qualification	Employed/Business/Agriculture/unemployed/ Others	Annual Income (Rupees)
1						
2						
3						
4						

**B. SKILL EDUCATION DIMENSION**

1. Semester: 

I	II	III	IV	V	VI
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2. Department/School: \_\_\_\_\_

3. Name of the Institute/College: \_\_\_\_\_

4. District: \_\_\_\_\_

5. Reason for joining this program: Please tick mark (✓) the suitable option

Parent's Advise	Senior's Guidance	Principal's Motivation	Influence of Friends	Career Counselling	Advertisement	Others
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6. Do you know what Entrepreneurship is? **Yes/No**

7. Do you have Entrepreneurship subject? **Yes/No**

8. Relevance of the subjects to your program:

Sr.No	Name of the Subject	Very Less	Less	Optimum	High	Very High
1	Major Elective					
2	Theory classes					
3	Skill Training					
4	General English					
5	Elementary Mathematics					
6	Computer Skills					
7	Open Elective					
8	Entrepreneurship Module					
9	Languages (French/others)					

9. Adequacy of the following Entrepreneurial Inputs in your course curriculum:

Sr.No	Entrepreneurial Inputs	Very Less	Less	Optimum	High	Very High
1	Achievement Motivation					
2	Entrepreneurial Motivation					
3	Business Idea Generation					
4	Market Survey					
5	MSME Schemes					
6	Startup Support					
7	Financial Assistance					
8	Institutional Mechanism					
9	Intellectual Property Rights					
10	Business Plan Preparation					
11	Project Report Preparation					
12	Mentoring					
13	Industrial Visits					
14	Case Studies					
15	Screening of Videos/ Films					
16	Business Idea Competitions					
17	Success Stories					
18	Entrepreneurs Interface					
19	Others if any, please specify					

10. Give your opinion on the following aspects related to your course:

Sr.No	Teaching Methodology	Poor	Satisfactory	Good	Very Good	Excellent
1	Teaching by In-house University Faculty					
2	Teaching of Guest Faculty					
3	Power Point Presentations					
4	Lectures					
5	Classroom Notes					
6	Workshop/Lab Facilities					
7	Library Facility					
8	Others if any, please specify					

11. Relevance of the following activities to your course:

Sr.No	Name of the Subject	Very Less	Less	Optimum	High	Very High
1	Study Visits					
2	Expert Lectures					
3	Competitions					
4	Quiz					
5	Others if any, please specify					

12. Would you like to suggest any new subject(s) in your course? **Yes/No**

13. If Yes, please indicate: \_\_\_\_\_

14. Reason for new subjects \_\_\_\_\_

### C. ENTREPRENEURIAL INTENTION (Career Planning)

1. Your intention after completing skill education: Please tick mark (✓) the suitable option

Post-Graduation	Other Related Course	Government Job	Private Service
Family Business	Self- Employment	Agriculture	Not Decided
Others if any, please specify:			

2. Interest of following group of people for your future:

Sr. No	People	Higher Studies	Entrepreneurship	Business in Partnership	Govt. job	Private job	Family Business	Agri Culture	Others
1	Parents								
2	Brother/Sister								
3	Friends								
4	Classmates								
5	Relatives								
6	Others								

3. In your opinion, in which field you will achieve success:

Sr. No.	Field	Not Successful	Somewhat Successful	Neutral	Successful	Very Successful
1	Entrepreneurship					
2	Government Service					
3	Private Job					
4	Family Business					
5	Business in Partnership					
6	Agriculture					
7	Others if any, please specify					

4. If Entrepreneurship, which of the following will you attribute for your success:

Sr.No	Factor	Strongly Disagree	Disagree	Neither Agree/ Disagree	Agree	Strongly Agree
1	Skill Education					
2	Entrepreneurial inputs					
3	Family business background					
4	Inner urge to be in Business					
5	Market Demand					
6	Govt. policy					
7	Others if any, please specify					

5. Give your opinion on contribution of skill education program to the following:

Sr.No	Statement	Strongly Disagree	Disagree	Neither Agree/ Disagree	Agree	Strongly Agree
1	Internship in a good industry					
2	Suitable stipend in internship					
3	Absorption in the same industry after internship					
4	To get good job & salary					
5	To get employment abroad					
6	Entrepreneurial inputs not required					

6. In your opinion, how important is a job for you?

Sr.No	Reason	Not Important	Slightly Important	Important	Fairly Important	Very Important
1	Self-satisfaction					
2	To fulfill family's ambition					
3	Financial security					
4	Service Opportunity					
5	Social security					
6	For Recognition					
7	To be Role Model					

7. In your opinion, how much a job is important for you over business?

Sr. No	Reason	Not Important	Slightly Important	Important	Fairly Important	Very Important
1	Be independent					
2	Support parents					
3	For Livelihood					

Sr. No	Reason	Not Important	Slightly Important	Important	Fairly Important	Very Important
4	Take care of personal needs					
5	Pursue higher studies					
6	Earn more money					
7	Have better living					
8	Meet unforeseen expenses					
9	Save for future					
10	Enjoy life					
11	Start own enterprise later					
12	Business is better than job					

8. Give your opinion on the following statements about starting your business:

Sr.No	Statement	Strongly Disagree	Disagree	Neither Agree/ Disagree	Agree	Strongly Agree
1	Not so keen					
2	It involves risk					
3	No proper education/skills					
4	No motivation from family					
5	No money					
6	Intense competition					
7	Marketing challenges					
8	Long gestation periods					
9	Not immediate returns					
10	Fear of failure					
11	Cannot give adequate time to family					
12	Cannot get good marriage proposals					
13	Cannot enjoy life					
14	Others if any, please specify					

9. Give your opinion as to what extent the Skill Education Course has helped to develop some of the important Entrepreneurial Characteristics:

Sr.No	Entrepreneurial Characteristics	Strongly Disagree	Disagree	Neither Agree/ Disagree	Agree	Strongly Agree
1	Enabled risk taking ability					
2	Increased self confidence					
3	Triggered innovativeness					
4	Empowered to face uncertainties					

Sr.No	Entrepreneurial Characteristics	Strongly Disagree	Disagree	Neither Agree/ Disagree	Agree	Strongly Agree
5	Taught resource mobilisation					
6	Induced organising abilities					
7	Offered management skills					
8	Inculcated entrepreneurial culture					
9	Imparted positive attitude					
10	Encouraged me to conduct SWOT analysis					
11	Not motivated me for entrepreneurship					

10. Give your opinion on how Skill Education Course tutored you towards Entrepreneurship:

Sr.No	Statement	Strongly Disagree	Disagree	Neither Agree/ Disagree	Agree	Strongly Agree
1	Offered adequate information about entrepreneurship along with skill education					
2	Curriculum is just sufficient for a Startup					
3	Motivated me to be a Job Provider rather than Job Seeker					
4	Provided all skills and knowledge to start a micro enterprise					
5	Enabled networking with several departments like MSME, Industries, Banks, R&D					
6	Mentoring was very inspirational					

11. To what extent you agree with the following statements:

Sl. No	Statement	Strongly Disagree	Disagree	Neither Agree/ Disagree	Agree	Strongly Agree
1	Absolutely confident of succeeding in business					
2	Can manage business well with knowledge and skills learned during skill course					

Sl. No	Statement	Strongly Disagree	Disagree	Neither Agree/Disagree	Agree	Strongly Agree
3	Identify prospective business opportunities and take advantage for business					
4	Mobilised sufficient money to start business					
5	Arranged all other resources for launch of business					
6	Can penetrate into the market					
7	Can easily solve the problems in business					
8	Will give up business when difficult to manage					

12. Give your opinion on the following statements, what motivated/encouraged you towards Entrepreneurship:

Sr. No	Statement	Strongly Disagree	Disagree	Neither Agree/Disagree	Agree	Strongly Agree
1	Family Business					
2	Partnership business with friends/relatives					
3	Employment generation to others					
4	Need of the society					
5	Demand for new products					
6	Availability of resources					
7	Business policy					
8	Financial support					
9	Possibility of earning more money					
10	Successful Entrepreneurs					
11	Role Models					
12	Desire to get Recognition					
13	Service motive					
14	Good future prospects					

13. To what extent you agree with the following statements:

Sr.No	Statement	Strongly Disagree	Disagree	Neither Agree/ Disagree	Agree	Strongly Agree
1	Will find decent livelihood only in a job					
2	Confident of future with a job					
3	Will take up job after failure in business					
4	Will find livelihood only in self employment					
5	Taking up business is an easy task					
6	Will start business when do not want work under someone					

14. What is your genuine opinion on job and business?

Sr.No	Statement	In a Job	In Business
1	Earn more money		
2	Receive recognition		
3	Can provide employment to others		
4	Freedom to make decisions		
5	Work in your own way		
6	Can do things in innovative way		
7	Regular income		
8	Safe future		
9	Wide social network		
10	Enjoy life		
11	Role model in society		
12	Face the challenges		
13	Better marriage alliances		
14	Political prospects		

15. To what extent you agree with the following statements:

Sr.No	Statement	Strongly Disagree	Disagree	Neither Agree/ Disagree	Agree	Strongly Agree
1	Society respects a job holder					
2	Entrepreneur is highly respected in society					
3	Society wants more people to become entrepreneurs					
4	A person becomes entrepreneur because he/she did not get any job					
5	Business is considered as family profession					

Sr.No	Statement	Strongly Disagree	Disagree	Neither Agree/ Disagree	Agree	Strongly Agree
6	Society does not encourage Women entrepreneurs					
7	Girls and women do not get support for starting enterprises as the boys and men get					

16. Who is the final decision maker of your future?

- a. Self
- b. Parents
- c. Grandparents/Elders (in absence of parents)
- d. Principal/Teacher
- e. Seniors/Friends
- f. Others (specify)

17. What is your final desire?

Sr.No	Statement	Strongly Disagree	Disagree	Neither Agree/ Disagree	Agree	Strongly Agree
1	Professional goal is to become an entrepreneur					
2	Will make every effort to start and run own enterprise					
3	Will work sometime to gain experience and confidence					
4	Ready to do anything to be an entrepreneur one day					
5	I do not want to be an entrepreneur					

18. Give your opinion on estimated time that you are likely to start your enterprise:

Sr.No	Estimated Time	Strongly Disagree	Disagree	Neither Agree/ Disagree	Agree	Strongly Agree
1	Immediately					
2	Within 2 years					
3	2-5 years					
4	5-7 years					
5	Never					

Any other information/suggestion:

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Place:

Date: / /2019

Signature of the Student

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### Appendix-I (5) Data Collection Details of RISU

Sr. No	Name of Institute	Name of the Course
1	Dezyne E'col College C/o Suraj Narayan Uchh Takiniki Shikshan Samiti, 106/10, Civil Lines, Ajmer	1. Fashion Design 2. Interior Designing 3. Food Production & Bakery
2	Automated Drivers Training, Testing and Skills Institute (IL&FS), Opp. Govt. Women Engineering College, Makhupura, Ajmer-305002	Automotive Maintenance, Service & Repair
3	Athena Animation Academy D-23, Inderpuri, Lalkothi, Tonk Road, Jaipur-302015	2D, 3D Animation & VFX
4	College of Hospitality Administration (CHA) H-1-66A, Mansarovar, Industrial Area, Near Galaxy Cinema, Jaipur	Hotel Management & Tourism
5	CNC Infotech Skill Development Pvt. Ltd., 3/3 22, Malviya Nagar, Jaipur	1. Computer Application 2. Financial Accounting
6	Indian Institute of Craft & Design (IICD) J-8, Jhalana Institutional Area, Jaipur-302004	Craft and Design
7	Indian Institute of Gem and Jewellery (IIGJ) RK Derwala Tower, Sitapura Industrial Area, Jaipur	1. Jewellery Design 2. Jewellery Production 3. Manufacturing Technology
8	Pearl Academy, SP-38 A, RIICO Industrial Academy, Kukas, Jaipur -302028	1. Fashion Design 2. Textile Design 3. Interior Design 4. Product Design
9	Poddar International College, Sector-7, Near Shiprapath, Mansarovar- 302020, Jaipur	1. Journalism & Mass Communication 2. Fashion Designing 3. Interior Designing
10	Sohar Institute of Surveyors and Valuers (SISV), Deendayal Nagar, New RIICO, Bassi, Jaipur-303301	1. Assistant Mines Surveyor 2. Surveyor
11	Institute of Hotel Management & Culinary Studies (IHMCS), Sector 8, Aravali Marg, Mansarovar-302020, Jaipur	1. Hospitality & Hotel Administration 2. Culinary Arts
12	Arch College for Design & Business Plot No. 8-9, Govind Marg, Malaviya Institution Area, Malaviya Nagar, Jaipur-302017	1. Fashion Design 2. Jewellery Design 3. Interior Design 4. Graphic Design
13	Lakes Institute of Skills Initiate Lakhwar Educational Society, H-153, Near OTC Garage, RIICO Area Kherda, Sawai Madhopur, Rajasthan	1. Banking Financial Services & Insurance 2. Retail & Logistic Management 3. Hotel Management & Catering Technology

**Appendix-I (6) Data Collection at RISU**



**Athena Academy**



**CNC Infotech Pvt. Ltd.**



**College of Hospitality Administration**



**Indian Institute of Craft & Design**



**Poddar International College**



**Arch College of Design**



**Dezyne E'col College**



**IL&FS Automotive Training Institute**



**Institute of Hotel Management & Culinary Studies**



**Lakes Institute of Skills Initiate**



**Pearl Academy**



**Sohar Institute of Surveyor**

### Appendix-I (7) Data Collection details of BSDU

<b>Sr. No</b>	<b>School</b>	<b>Semester</b>
1	Automotive Skills	I , III & V
2	Computing Skills	I
3	Electrical Skills	I , III & V
4	Entrepreneurship Skills	I & III
5	Office Administration Skills	I & III
6	Manufacturing Skills	III & V
7	Refrigeration & AC Skills	I & III
8	Renewable Energy Technology	III & V
9	Wood Working Skills	I , III & V

## Appendix-I (8) Data Collection at BSDU



**School of Automotive Skills**



**School of Computing Skills**



**School of Electrical Skills**



**School of and Renewable Energy  
Technology Skills**



**School of Entrepreneurship**



**School of Office Administration Skills**



**School of Refrigeration & AC Skills**



**School of Wood Working Skills**

## Appendix - II: List of papers published

1. **S. Glory Swarupa**, Rajdeep Deb, & M.N. Reddy. 2021. “Impact of Demographic Factors on Entrepreneurial Intention of Skill Education Students”, *Natural Volatiles & Essential Oils* (NVEO) 2021; 8(4): 514-522. <https://www.nveo.org/index.php/journal/issue/view/29>.
2. **S. Glory Swarupa**, Ravi Kumar Goyal & Ranbir Singh Rathee. 2020. “Corporate Social Responsibility for Scaling up Skill Development in India: An Exploratory Study”. *International Journal of Advanced Science and Technology* (IJAST), Vol. 29, No. 11s, pp. 625-633. ISSN: 2005-4238 (Print) ISSN: 2207-6360 (Online).
3. **S. Glory Swarupa** & Ravi Kumar Goyal. 2020. “Entrepreneurial Intentions of Students: Review of Academic Literature”. *International Journal of Scientific and Engineering Research* (IJSER). Volume 11, Issue 1, pp. 1146-1168. ISSN 2229-5518. DOI: 10.14299/ijser.2020.01.02
4. **S. Glory Swarupa** & Ravi Kumar Goyal. 2019. “Skill Education: An Innovative way of Learning for Employable Society”, *International Journal of Emerging Technologies and Innovative Research* (IJETIR), Volume 6, Issue 5, pp. 42-47. <http://doi.org/10.1729/Journal.23046>. ISSN-2349-5162.

1, 2 & 3 : SCOPUS Indexed International Journals

4 : UGC Approved Journal

**Appendix - III:** Copies of Acknowledgement/ acceptance letters in case the papers are accepted/communicated

NIL

## **Appendix - IV: Brief Bio-data of Researcher**

At present the researcher is working as Director General, National Institute for Micro, Small & Medium Enterprises, Ministry of MSME, Govt. of India.

The researcher is a professional in the field of Entrepreneurship and Skill Development with 24 years of experience. An Alumni of National Institute of Technology (NIT), Warangal, Telangana. She has worked with union ministries namely Ministry of Commerce & Industry, Govt. of India; Ministry of Agriculture & Farmers Welfare, Govt. of India; Ministry of HRD, Govt. of India; Ministry of Environment, Forest & Climate Change, Govt. of India, Shankara Group of Institutions and Bhartiya Skill Development University, Jaipur.

**Core areas of expertise:** Developed expertise in Policy Advocacy, Program Designing, International Programs, Research, Training, Teaching, Extension, Mentoring, Monitoring, and Consultancy. She has implemented Govt. of India schemes and programs in all States and Union Territories in Entrepreneurship & Skill Development sector.

**Experience:** Conducted 150 national training programs on Skill & Entrepreneurship Development for the Executives and Senior Officials. Coordinated implementation of 1200 training programs across the country benefitting 42,500 educated unemployed youth, women, farmers, fishers, rural and urban population. Training of Trainers (ToT) in Entrepreneurship and Skill Development; Faculty Development Programs (FDP) in Entrepreneurship Development; Women EDPs; Technology based EDPs (TEDP), Food Processing EDPs and Aquapreneurship Development Programmes for Senior Officers of ICAR institutions, Krishi Vigyan Kendra (KVK), Jan Shikshan Sansthan (JSS), Tribal Development Department, Industries Department, Commodity Boards, Rural Self Employment Training Institutes (RSETIs), National Banks, State Fisheries Department, Faculty of Engineering, Management, Science & Technology Institutes and NGO's.

**Research & Publications:** Handled 10 research projects independently, published 45 papers including 10 presented in International Conferences, authored 4 books and made 3 Films.

The researcher is a Member of Ministerial Task Force Committee and Board Member of several Sector Skill Councils.

**Awards:** (i) Honoured with EXCELLENCE IN EDUCATION in the 7<sup>th</sup> Principals and Teachers Award 2018.

(ii) Received Award for Best Learning & Development Training Professional at Agri Awards 2021.

**Language Proficiency:** Read, Write and Speak English, Hindi, Telugu, Malayalam, Kannada and Tamil.

**Countries Visited:** Israel and Nepal.