

**NSDA
Reference
To be Added by
NSDA**

CONTACT DETAILS OF THE AWARDING BODY FOR THE QUALIFICATION

1. Name and address of awarding body:

**National Academy of RUDSETI
ChitrapurBhavan
15th Cross, 8th Main
Malleswaram
Bengaluru- 560 055
Ph: 080- 2346 2875
Email:info@rudsetacademy.org**

2. Name and contact details of the Individual dealing with the submission:

**Name: Sri. R. R. Singh
Position in the Organization: Director General
Address: Same as above
Email:dq@rudsetacademy.org**

3. List of Documents submitted in support of the Qualifications file (Annexure)

- i. About National Academy of RUDSET
- ii. RUDSETI Model of Entrepreneurship Development
- iii. Curriculum document /Syllabus
- iv. Session Plan
- v. Bank wise list of RSETIs
- vi. Research Studies regarding RUDSETI/RSETI
- vii. Success Stories

QUALIFICATION FILE TEMPLATE

SUMMARY

Qualification Title: Bamboo and Cane Craft

Qualification Code: NARQ30048-PRODUCT

Nature and purpose of the qualification:

Qualification enables the trainee to set up their own unit for making and selling bamboo and cane craft items and supply to Marketers / Larger Manufacturers or directly sell in open market.

According to NSSO Data (2013) among workers in rural areas, 54.2% are self-employed and 38.6% work as casual labor, where as only 7.2% have regular wage employment. Most of the self employed are engaged in agriculture and have very little formal skills both in farm and non-farm occupations. Hence, the need to skill rural youth so that the next generation of workers become skilled, productive and contribute positively for the growth of the economy.

On gaining technical skills and skills in entrepreneurship, the candidates trained in this qualification can start their own home soft toys making unit. There is increasing demand for this service especially for private (domestic) and public events in the rural areas and small towns. On becoming an entrepreneur the candidate trained in this qualification will initially promote a micro-enterprise which can gradually grow to become a small and later medium scale enterprise. The Micro, Small and Medium Enterprises (MSME) sector has emerged as a highly vibrant and dynamic sector of the Indian economy over the last five decades. MSMEs are playing a crucial role in providing large employment opportunities at comparatively lower capital cost than large industries. They are also contributing in a significant manner to the industrialization and development of rural and backward areas. This helps to reduce regional disparities and provides for a more equitable distribution of national income and wealth. MSMEs contribute enormously to the socio-economic development of the country. This sector today consists of 36 million units and provides employment to over 80 million persons. The Sector through more than 6,000 products contributes about 8% to GDP besides 45% to the total manufacturing output and 40% to the exports from the country. The MSME sector has the potential to spread industrial growth across the country and can be a major partner in the process of inclusive growth. The Micro, Small and Medium enterprises contribute to over. Entrepreneurship, and resultant creation of employment and wealth, is a major mean for inclusive development. A programme which is conducted with a motive to promote potential entrepreneurs, understanding of motives, motivational pattern, their impact on behavior and entrepreneurial value is termed as entrepreneurial development programme.

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Body/bodies which will award the qualification: National Academy of RUDSETI, Bengaluru

The National Academy of RUDSETI was established in April 2009 in response to an emerging need for capacity building and mentoring of more than 585 Rural Self Employment Training Institutes (RSETIs) established in each district of the country as joint venture between different Banks and the Ministry of Rural Development, Government of India to work as National Level Resource Organization for RUDSETIs and RSETIs and other similar type of Institutes

1. To design and conduct training programmes and undertake project in Enterprise Promotion, Rural Development, Technology Transfer and imparting Human Resource Development (HRD) concepts.
2. To conduct research and development work in the field of Entrepreneurship Development
3. To act as a advisory to policy makers relating to Enterprise Promotion and Rural Development (for Government /NGOs/ Other Organizations / Financial Institutions /Corporate Entities / Central Secretariat, RUDSETI)
4. To take up any other activities connected with Rural Development and Entrepreneurship Development and Rural Development.
5. To provide Consultancy and Counseling Services in the field of Entrepreneurship Development and Rural Development.
6. Any other activity aimed at Development of Entrepreneurship, Rural Development and serving the society at large.

(See Annexure I for a complete profile of NAR and Annexure II for RUDSETI model of Entrepreneurship Development)

Body which will accredit providers to offer courses leading to the qualification:

National Academy of RUDSETI, Bengaluru

Body/bodies which will be responsible for assessment:

National Academy of RUDSETI, Bengaluru

Occupation(s) to which the qualification gives access:

This qualification will enable the trainee to establish his own unit for making and selling bamboo and cane crafts, and setup a bigger unit in due course by employing some more people to attend to meet the increasing demands. Besides skills in the field of bamboo and cane craft making, the qualification will give access to the trainee to:

1. Acquire and internalize the required Entrepreneurial Competencies (skill as well as attitude).
2. Knowledge and techniques for identifying the business opportunities, selection of an entrepreneurial activity, launching of the venture and skills for managing a Micro Enterprise.
3. Build confidence in one's own abilities

Proposed level of the qualification in the NSQF:

Level 3

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Anticipated volume of training/learning required to complete the qualification:

104 hours

Entry requirements / recommendations:

Male or Female Candidates in the age group of 18 to 45 years having inclination for taking up bamboo and cane craft items as a self employment occupation. The candidate must be able to read and write local language.

Progression from the qualification:

This qualification will enable the trainees to become self employed by setting up a bamboo and cane craft unit. In due course they will graduate to become an entrepreneur through expansion thereby providing employment to others also by way of opening retails outlets, door delivery through online booking etc.

Planned arrangements for the Recognition of Prior learning (RPL):

Not applicable

International comparability where known:

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Formal structure of the Qualification			
Bamboo and Cane Craft	Mandatory/ Optional	Estimated Size (learning hours)	Level
Professional Knowledge A - Entrepreneurship 1. Knowledge of self-confidence , attitude 2. Entrepreneurial competencies 3. Banking, insurance , financial accountancy and management 4. Legal , regulatory aspects of SMEs B – Technical Knowledge 5. Selection of Bamboo and identification of different Bamboos 6. Knowing free Hand drawings of various gift items 7. Knows designing of gift items and furniture 8. Knows to identify different kinds of cane 9. Knows the finishing techniques of items 10. Making Bamboo treatment	Mandatory	14 hours	Level 3
Professional Skills 11. Making Bamboo tray, pen stand, Mobile stands 12. Making Bamboo flower vas 13. Making Bamboo stool and chairs 14. Making different kinds of mat by weaving of Bamboo 15. Making Bamboo bags through hand tools 16. Making various furniture from Cane 17. Make the Bamboo treatment.-Chemical as well as traditional method.	Mandatory	64 hours	Level 3
Core Skills 18. Identify business opportunities in chosen sector 19. Conduct market survey and prepare simple business plan 20. Ability to plan and assess risk 21. Problem solving capabilities 22. Time management skills 23. Communication skills 24. Business Management skills	Mandatory	14 hours	Level 3
Admission & Examination	Mandatory	4 hrs	-
Total Course Duration		104 hrs	

SECTION 1 – ASSESSMENT

Body/Bodies which will carry out assessment:

This qualification will be used by 585 RSETIs (list is furnished in Annexure IV) across the country which has been established in each district. These RSETIs are controlled by commercial banks (both Government owned and Private). NAR is a separate body and there is no linkage in management and control between the RSETIs offering the training and NAR which will conduct the assessment. The assessment of outcome of the qualification will be done by NAR which is an independent organization. It is run by professionals who are expert in rural entrepreneurship development. In NAR there will be a separate vertical similar to 'Controller of Examinations' in Universities, which will conduct the assessment through its empanelled assessors at the RSETI level. The empanelled assessors will be provided training by NAR.

How will RPL assessment be managed and who will carry out?

Not Applicable

Describe the overall assessment strategy and specific arrangements which have been put in place to ensure that assessment is always valid, reliable and fair and show that these are in line with the requirements of NSQF.

Assessment tools for the Qualification are decided on the basis of composition of knowledge and skill in that particular Course. All assessments shall have at least two tools viz. 1. Practical test and 2. Written test and/or Viva.

1. Assessment process:

The assessment will be primarily carried out by collecting evidence of competence gained by the trainees by observing them at work, asking questions and initiating formative discussions to assess understanding and by evaluating their practical work. The question papers for the theory Examinations contain objective/descriptive type questions, drawings etc.

Minimum pass mark: Overall 50% of marks allotted

2. Testing and certifications for the course:

Arrangements will be made by NAR to ensure that the evidence on which assessment / judgments made are comparable for all trainees and that the judgments made does not vary from assessor to assessor.

Arrangements relating to the conduct and monitoring process of assessment are as follows:

- Questions papers will be prepared by NAR in consultation with vocation experts in the field.
- Structured tests at the Institute level will be administered in the presence of the assessors.
- The tests will be supervised and monitored at every Centre
- Theory and practical Examinations will be carried out with invigilators/examiners with the overall supervision of the certified assessors.
- Examiners called for evaluation of practical will have technical expertise in the field

QUALIFICATION FILE TEMPLATE

ASSESSMENT EVIDENCE

Assessment & Evaluation:

The trainees will be assessed through a structured test process. The test will comprise of both written, practical and viva voce. Standard question paper will be devised keeping in view the expected outcome of the training. The test will be administered by certified and empanelled assessors at RSETI level. The technical skill component will be tested through practical examination. Both of these tests will be followed by personal interview wherein the entrepreneurial competencies will be tested. The extent of internalization of the inputs given will be tested. The face-to-face interview will assess the overall ability of the trainee concerned to perform the defined job role including behavioral aspects of entrepreneurial competencies. On getting the results of these tests from the assessors at ground level, a senior expert in entrepreneurship at NAR, Bengaluru will review the marks and on his validation, system generated certificates will be issued to the successful candidates online.

QUALIFICATION FILE TEMPLATE

Entrepreneurship Development				
Assessable Outcomes	Performance Criteria for the outcome	Assessment Criteria		
		Total	Theory	Practical
1. Candidate is clearly able to differentiate between Wage employment, Self-employment and Entrepreneurship	PC 1 – Understanding the Context and Need for Rural Entrepreneurship Development, Role of RSETIs	1	1	0
	PC 2 – Developing Self Confidence and Positive Attitude (Micro Lab & Tower Building)	2	1	1
2. Understand, appreciate and develop the self-confidence for embarking on self-employment / entrepreneurship.	PC 3 – Comparative Advantages of Entrepreneurship and Self Employment over Wage Employment	1	1	0
	PC 4 - Understanding and internalizing entrepreneurial competencies	5	2	3
3. Understand and internalize entrepreneurial competencies and know their importance for becoming a successful entrepreneur.	PC 5 - Understanding the process of steps in Problem Solving	2	1	1
	PC 6 – Time Management – Understanding of Basic Concepts and ability to manage time	3	2	1
4. Trainee is able to understand the legal and regulatory aspects of launching an enterprise.	PC 7 – Effective Communication Skills – Understanding of Basic Concepts and ability	2	1	1
	PC 8 – Ability to assess market conditions and identify appropriate business opportunities	2	1	1
5. Trainee is able to appreciate need for continuous growth and expansion of an enterprise	PC 2 – Understanding of Banking & Insurance and how it can help a start up enterprise	2	1	1
	PC 9 – Ability to Prepare Business Plan based on data obtained from Market Survey	10	6	4
6. Trainee is able to analyze major trends in a given economic sector / sub-sector and identify Business Opportunities	PC 10 – Understanding licensing and regulatory aspects of launching an enterprise.	2	1	1
	PC 11 – Ability to Maintain Books of Accounts and Develop Financial Statements for a Small Business	5	3	2
7. Trainee is able to conduct market survey and develop sound Business Plans based on obtained data.	PC 12 – Understanding and ability for Inventory and Materials Management	5	3	2
	PC 13 – Understanding and ability for Sales and Marketing	5	3	2
8. Develop effective personal management skills like time management and communication skills.	PC 14 – Human Resource Management – Understanding of Concepts and ability to manage a team	5	3	2
	PC 15 - Understanding of Basic Laws relating to MSMEs	5	3	2
9. Knows to maintain simple books of accounts and prepare financial statement for small business	PC 16 – Growth and Strategic Planning - Understanding of Concepts	3	3	0
Total EDP		60	36	24

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Assessable Outcomes	Performance Criteria	Assessment Criteria			
		Total	Theory	Practical	
B. Professional / Technical Knowledge	PC1 -Knows to identify the different types of Bamboo	3	3	Nil	
	PC2 -Knows the different uses of Bamboo	2	2	Nil	
	1. Identify different kinds of Bamboo and canes and its uses.	PC3 -Knows to select the Bamboo which suits for Bamboo craft	3	3	Nil
	2. Know to select the kind of Bamboos useful for bamboo craft.	PC4 -knows the free hand drawing of handicraft items	2	2	Nil
	3. Know to draw various drawings of handicraft items.	PC5 -Knows designing of gift items from Bamboo	3	3	Nil
		PC6 -Knows weaving techniques of Bamboo	3	3	Nil
	4. Know to design various gift items like tea coaster, tray, bags, pen stand, mobile stand flower vas, and different kinds of furniture like stool, chairs from Bamboo and cane.	PC7 - Knows making of Bamboo bags with designs	3	3	Nil
		PC8 -Knows making of pen stand, tray, mobile stand from Bamboo	3	3	Nil
		PC9 -Knows coloring and dyeing of Bamboo crafts	3	3	Nil
		PC10 -Knows stool and Khatuli from Bamboo	3	3	Nil
	5. Know the finishing techniques of the articles	PC11 -Knows making Cane furniture –sofa set, chair, stool	3	3	Nil
		PC12 -Knows finishing techniques and materials used for finishing	3	3	Nil
	6. Know the method of Bamboo treatment	PC13 -Knows how to maintain quality of the products	3	3	Nil
	7. Know to maintain the quality of the craft made out of Bamboo and Cane	PC14 -Knows how to make Bamboo treatment and materials used for the same.	3	3	Nil
		Total	40	40	Nil
Professional Skills	PC1 -Able to identify the Bamboos s per job requirement	4	Nil	4	
	8. Able to identify bamboo as per job requirement at practical field.	PC2 -Able to select suitable Bamboo for craft	4	Nil	4
	9. Draw the various drawings of handicrafts and gift items	PC3 -Is able to draw different handicrafts in paper	4	Nil	4
		PC4 - Able to do free hand drawing of gift items	4	Nil	4
	10. Able to make Bamboo tray and tea coaster	PC5 -Able to choose the right kind of products and raw materials	4	Nil	4
		PC6 - Able to make product like tea coaster	4	Nil	4
	11. Make the different types of pen stand and mobile stand.	PC7 - Able to make tray from Bamboo	4	NIL	4
		PC8 - Able to make different kind of Pen Stand	4	Nil	4
	12. Able to design bamboo gift items and Bamboo ornaments.	PC9 –Able to make Different kind of Mobile stand	4	Nil	4
		PC10 -Able to make Bamboo letter Box	4	NIL	4
	13. Able to know dyeing coloring of the items.	PC11 - Able to make flower vas	4	Nil	4
		PC12 - Able to make different designs for gift items	4	Nil	4
	14. Able to make thin slivers for mats and ornaments	PC13 - Able to make Bamboo ornaments and designing	4	Nil	4
		PC14 - Able to do coloring the articles	4	Nil	4
	15. Able to weave mats of different types	PC15 -Able to do dyeing of the Bamboo articles	4	Nil	4
		PC16 -Able to make thin slivers of Bamboo	4	Nil	4
	16. Able to make Bamboo stool and Khatuli	PC17 -Able to weave different kinds of MAT	4	Nil	4
		PC18 - Is to do Bags from Bamboo	4	Nil	4
	17. Make the different Cane furniture like chair stool and ,sofa	PC19 -Able to make Bamboo stool	4	Nil	4
		PC20 - Able to make Bamboo Katuli	4	Nil	4
		PC21 -Able to make cane furniture-sofa, chair, stool	4	NIL	4

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18. Able to do different methods of bamboo treatment viz. traditional method, chemical treatment for preservation.	PC22-Able to make finishing of the products	4	NIL	4
	PC23-Able to do sanding the products	4	NIL	4
	PC24-Able to maintain the quality of the product.	4	NIL	4
	PC25-Able to do Bamboo treatment	4	NIL	4
	Total	100	NIL	100
Total Marks		200	76	124
Means of assessment 1: Physical Test				
Means of assessment 2: Written Test & Viva Voce.				
Pass : overall 50 % and above				

QUALIFICATION FILE TEMPLATE

SECTION 2 - EVIDENCE OF LEVEL

Option B: Key Requirements of the Job Role

Title of the Qualification: Bamboo and cane Craft				
NSQF LEVEL - 3				
Process Required	Professional Knowledge	Professional Skills	Core Skills	Responsibility
Persons may carry out a job which may require limited range of activities routine and predictable	Basic facts, process and principle applied in trade of employment	Recall and demonstrate practical skill, routine and repetitive in narrow range of application.	Communication written and oral, with minimum required clarity, skill of basic arithmetic and algebraic principles, personal banking, basic understanding of social and natural environment	Under close supervision, some responsibility for own work within defined limit.
Bamboo and cane craft involves technology limited range of activities like cutting, slicing, joining, coloring and dyeing etc and is of routine in nature and which can be duly predicted.	Knowledge level required is of basic nature such as selection bamboo ,cutting, slicing, designing	The skill required here is mainly acquired by practice and once perfection is achieved, it will be repetitive in nature.	Enterprise launching and business management skills to a limited scale. This can be imparted through training as it involves simple machinery and moderate capital investment.	Since this training leads to entrepreneurial outcome responsibility for own work and learning is to be present and demonstrated.

SECTION 3 - EVIDENCE OF NEED

What evidence is there that the qualification is needed?

Entrepreneurship has been embedded in the Indian genius and is a part of its tradition. India traditionally has been an entrepreneurial society. Traditionally, the entrepreneurship of many communities has been facilitated principally by the successful use of informal 'entrepreneurial ecosystems' and interdependent business networks. Further, there is also a rich tradition within the Indian Diaspora, spanning the past several hundred years, whose spirit of enterprise is legion.

Entrepreneurship in India occurs in 'far more encompassing and far reaching ways than in developed countries', and could therefore be far more complex, for there is so much more that needs to be done. Commentators today celebrate the ubiquitous Indian attitude of '*Jugaad*' (a Hindi word roughly translated as 'creative improvisation) tool to somehow find a solution based on a refusal to accept defeat, and calling on initiative, quick thinking, cunning and resolve to quickly fulfill market demands at the lowest possible prices) as an entrepreneurial trait that has been as much a part of everyday Indian living as its rich tradition of philosophy and speculation.

The development and impact of entrepreneurship in India has intensified in recent times, particularly with the rise in knowledge-intensive services. New entrepreneurs who do not belong to traditional business communities have begun to emerge in large numbers. Entrepreneurship has grown rapidly, visibly so, creating wealth and generating employment, especially in the past twenty years. Crucial efforts initiated after economic liberalization – including systematic attempts to reduce the 'license raj', greater efforts to make finance more easily accessible to entrepreneurs and other institutional support to 'techno-preneurs' – have helped improve the climate for Entrepreneurship.

Thus, the opportunities created by today's global knowledge economy coupled with the 'unshackling of indigenous enterprise', have continued to making India a 'fertile ground' for Entrepreneurship. Recent surveys, such as those undertaken by Goldman Sachs and Pricewaterhouse Coopers, have estimated that India has the potential to be among the world's leading economies by 2050. Further India's economy can potentially gain significantly from the country's characteristic features – a democratic open society, a strong technology base (with capacity for leapfrogging), unparalleled diversity, vibrant capital markets (including growing private equity and venture capital markets), an increasingly youthful population (50% of India is 25 years and younger), a sizeable market of a large number of customer with vast unmet needs as well as an environment of full and free competition in the private sector.

QUALIFICATION FILE TEMPLATE

In order to give impetus to this growing demand of first generation entrepreneurs to gain formal training in entrepreneurship knowledge and skills RSETIs have been established by various Banks. Ministry of Rural Development gives part funding of the training. The RSETIs have been established on the RUDSETI models which have been proved very effective in eradicating the problems of unemployed youth. The trainings by these Institutes are unique in the sense they are demand based. The Institutes have got the experience of conducting these Programmes over the years.

In the Indian forestry sector, bamboo, which is referred as minor forest produce in classical forestry, is the most important sub-sector. Bamboo is one of the most abundant and renewable resources available. Bamboo, being a source of raw material to many industries such as pulp and paper, rayon, and fiberboard industry, has been critical in the forest-based industrial development in India. India is the second richest bamboo resource country in the world, next only to China. In terms of genetic diversity, India has 136 bamboo species under 75 genera. Cane and bamboo belong to disparate botanical families, have different properties, and are propagated and grown in dissimilar ways.

Bamboos and cane potential for different value added products and application makes them an extremely important material for dispersed economic activities. Both have a good future ahead. From Bamboo varieties of gift articles, furniture, bags and house hold articles can be prepared and which has a vast demand. Cane furniture has its own advantages and the demand is wide. Hence bamboo and Cane craft making training has very good demand in certain parts of the country.

In order to identify the potential programmes as per the needs of the unemployed youth, a Committee of General Managers of top 5 RSETI sponsoring Banks has been constituted. The General Managers of State Bank of India, Punjab National Bank, Bank of Baroda, Central Bank of India and Bank of India are the members of this Committee. In addition, Executive Director, RUDSETI, National Director for RSETIs and Director General, National Academy of RUDSETI who got rich field experience also joined this Committee. The above Committee met at Mumbai on 7th November 2016. After thorough discussions and based on the past experience the Committee short listed potential /need based courses for training rural unemployed youth in the RSETIs. The training on Bamboo and cane craft is one such shortlisted need based training.

QUALIFICATION FILE TEMPLATE

What is the estimated uptake of this qualification and what is the basis of this estimate?

Presently there are 586 Rural Self Employment Training Institutes (RSETIs) across the country sponsored by various Banks. National Academy of RUDSETI is the anchoring Institution which designs and approves the training programmes being conducted by these RSETIs. The Training Modules are demand driven and are vetted by National Academy of RUDSETI, having experience of running similar programmes by the RUDSETIs since over three decades. Soft Toys Making is one of the most popular need based training programmes conducted by these Institutes. The programme is having very good settlement rate. The number of trainees under this qualification during the past three years is as under:

FY	No. of Training Programmes	Number of Candidates	Settled
2013-14	14	359	166
2014-15	16	432	258
2015-16	10	241	149

Cumulative settlement rate for the above training is 61% and observing the above trend, the candidates trained under the above qualification file, the number of candidates to be trained in the next three years is estimated at around 5500 youth.

What steps were taken to ensure that the qualification(s) does/do not duplicate already existing or planned qualifications in the NSQF?

Similar course leading to holistic understanding of bamboo and cane craft and leading to entrepreneurial outcome is currently not offered by NCVT or Sector Skills Councils. Hence, the activities are unique and the Qualification does not get duplicated.

QUALIFICATION FILE TEMPLATE

What Arrangements are in place to monitor and review the qualification (s)? What data will be used and at point will the qualification (s) be revised or updated?

National Academy of RUDSETI has put in place a robust MIS for RSETIs. Comprehensive data (Course wise/Bank Wise/State Wise) for all RSETIs is maintained by NAR in the said MIS. Entry level data include the photograph of the candidate other basic details. Course modules are made available in the MIS and the website of NAR. Training logs and Post Programme Reports with action photographs of the training are also made available in the MIS. Details of Settlement and credit linkages are uploaded in the MIS with action photos and documentary proofs. The State Directors of RSETIs are also visiting the RSETIs every quarter for reviewing the quality of training / settlement. Officials from the controlling offices of the Banks and NAR are also making periodic visits to the RSETIs for reviewing the activities. MIS reports are used for viewing the settlement of the trained candidates, their level of income and employment generation by them. Feedback obtained from the trained candidates, RSETI sponsoring bank and other stake holders are used to review/update the course.

SECTION 4 -EVIDENCE OF RECOGNITION AND PROGRESSION

What steps have been taken in the design of this or other qualifications to ensure that there is a clear path to other qualifications in this sector?

The candidates who are trained in bamboo and cane craft” training may attend skill up-gradation programme for the subject qualification file where in specialized inputs are given for enabling the candidates for technology up gradation. The Candidates are also eligible for attending the General EDP in RSETIs which will help them for expansion and diversification in the related field of activity.