



Contents

Training Parameters	3
Program Overview.....	4
Training Outcomes	4
Compulsory Modules	4
Module 1: Introduction to Skill India Mission and the role of Vedic Ganit Kanishtha Sahayaka	6
Module 2: History of Indian Mathematics	7
Module 3: Mathematical Concept of Yajush jyotish	8
Module 4: Knowledge of numbers	9
Module 5: Formulas of Vedic Ganit.....	10
Module 6: Vedic Mathematical Terminology	11
Module 7: Applications of Bijank	12
Module 8: Applications of Ekadhiken Purvena Sutra	13
Module 9: Lilavati Ganit	14
Module 10: Employability Skills (30 Hours).....	15
Annexure	16
Trainer Requirements.....	16
Assessor Requirements	18
Assessment Strategy	19
Glossary	20



Module Details

Module 1: Introduction to The Skill India Mission and the role of vedic mathematics

Mapped to MSRVVP/VGK01, v.1

Terminal Outcomes:

At the end of the training, participants will be able to:

Give an overview of the Skill India Mission.

Discuss the job role of Vedic Ganit (kanishtha sahayak).

Discuss the scope of the sector, sub-sector and available employment opportunities.

<i>Duration: 05:00</i>	<i>Duration: 00:00</i>
Theory - Key Learning Outcomes	Practical - Key Learning Outcomes
<ul style="list-style-type: none">● Discuss the Skill India Mission and its objectives.● Describe the role of Vedic Ganit Kanishtha Sahayaka● Discuss the job opportunity of a Vedic Ganit Kanishtha Sahayak.	
Classroom Aids	
Projector, white board, marker, computer, internet connection, Related books.	
Tools, Equipment and Other Requirements	
N/A	



Module 2: History of Indian Mathematics

Mapped to MSRVVP/VGK02, v.1

Terminal Outcome:

At the end of the training, participants will be able to:

- Understand the meaning and importance of Indian Mathematics.

<i>Duration: 05:00</i>	<i>Duration: 05:00</i>
Theory - Key Learning Outcomes	Practical - Key Learning Outcomes
<ul style="list-style-type: none">● Explain the mathematical concept of Vedas.● Vedic study of the invention of zero.● Study and understand of numbers Varnank Pranali and Katpayadi paddhati.● Will be able to understand the Bhoot Sankhya mentioned in the mantras.	<ul style="list-style-type: none">● The viva-voce focuses exclusively on activity -based question to explain concept better.
Classroom Aids:	
Projector, white board, marker, computer, internet connection, Related books.	
Tools, Equipment and Other Requirements	
N/A	



Module 4: Knowledge of numbers

Mapped to MSRVVP/VGK04, v.1

Terminal Outcomes:

At the end of the training, participants will be able to:

- Understand the philosophical, cultural and linguistic aspects of numbers.

<i>Duration: 05:00</i>	<i>Duration: 05:00</i>
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none">● Nature of numbers (relative to the tangible and intangible)● Explanation of numbers as symbols.● Vedic view on number system.● Cultural aspect of numbers.● Significance of linguistic approach in mathematics.● Formation and nomenclature of numbers in relevance with Sanskrit.● Philosophies behind numbers.	<ul style="list-style-type: none">● The viva-voce focuses exclusively on activity -based question to explain concept better.
Classroom Aids	
Computer, projector, white board, marker.	
Internet connection. Related books.	
Tools, Equipment and Other Requirements	
N/A	



Module 5: Formulas of Vedic Mathematics

Mapped to MSRVVP/VGK05, v.1

Terminal Outcomes:

At the end of the training, participants will be able to:

- Will develop their understanding about formulas of Vedic mathematics.

<i>Duration: 20:00</i>	<i>Duration: 25:00</i>
Theory - Key Learning Outcomes	Practical - Key Learning Outcomes
<ul style="list-style-type: none">● Importance of vedic mathematics sutras (formulas).● Introduction to 16 sutras and 13 upasutras.● Importance of Shabdasutras● Comparison between traditional and vedic mathematical operations.	<ul style="list-style-type: none">● Application of vedic mathematical operation in day-to-day life.● The viva-voce focuses exclusively on activity -based question to explain concept better.
Classroom Aids	
Computer , projector, white board, marker.	
Internet connection, Related books.	
Tools, Equipment and Other Requirements	
N/A	



Module 6: Vedic Mathematical Terminology

Mapped to MSRVVP/VGK06, v.1

Terminal Outcomes:

At the end of the training, participants will be able to:

- Solve the complex mathematical operations into simpler, easier and faster manner.

Duration: 20:00

Duration: 35:00

Theory - Key Learning Outcomes

Practical - Key Learning Outcomes

- Introduction to Param mitra anka(digits).
- Introduction to Vinakulam numbers.
- Conversion of general numbers into Vinakulam numbers and vice-versa.

- Application of vinakulam.
- The viva-voce focuses exclusively on activity - based question to explain concept better.

Classroom Aids

Computer, projector, white board, marker.
Internet connection, Related books.

Tools, Equipment and Other Requirements

N/A



Module 8: Applications of Ekadhiken Purven Sutra

Mapped to MSRVVP/VGK08, v.1

Terminal Outcome:

At the end of the training, participants will be able to:

- Will discuss the significance of Ekadhiken Purven Sutra in various mathematical concepts.

<i>Duration: 05:00</i>	<i>Duration: 10:00</i>
Theory - Key Learning Outcomes	Practical - Key Learning Outcomes
<ul style="list-style-type: none">● Introduction to Ekadhiken Purven Sutra.● Addition, subtraction and multiplication by using ekadhiken purven sutra.● Simplification of fraction through Ekadhiken Purven Sutra.● Conversion of fraction into decimal.	<ul style="list-style-type: none">● Application of addition, subtraction and multiplication by using ekadhiken purven sutra.● The viva-voce focuses exclusively on activity -based question to explain concept better.
Classroom Aids:	
Compute, projector, white board, marker. Internet connection.	
Tools, Equipment and Other Requirements	
Related books.	



Module 9: Lilavati Ganit

Mapped to MSRVVP/VGK09, v.1

Terminal Outcome:

At the end of the training, participants will be able to:

- Will discuss the significance of Lilavati ganit in Indian mathematics.

<i>Duration: 05:00</i>	<i>Duration: 10:00</i>
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none">● Introduction to Lilavati ganit● Will develop the understanding behind measuring units (solid, liquid, distance etc.)● Introduction of ‘Paribhasha Prakrana’ of Lilavati ganit.	<ul style="list-style-type: none">● Application based on ‘Paribhasha Prakrana’ of Lilavati ganit.● The viva-voce focuses exclusively on activity -based question to explain concept better.
Classroom Aids:	
Computer, projector, white board, marker. Internet connection.	
Tools, Equipment and Other Requirements	
Related books.	



Module 10: Employability Skills

Mapped to MSRVVP/VGK07, v.1

Terminal Outcomes:

- Communicate effectively with team members, clients, vendors, visitors.
- Build personal and professional
- Digital and financial literacy which includes basic components of computer system and related concept, saving money, opening bank account and filing tax return

Duration: 30:00

Key Learning Outcomes

- Discuss the importance of Employability Skills in meeting the job requirements
- Explain constitutional values, civic rights, duties, citizenship, responsibility towards society etc. that are required to be followed to become a responsible citizen.
- Show how to practice different environmentally sustainable practices
- Discuss 21st century skills.
- Display positive attitude, self -motivation, problem solving, time management skills and continuous learning mind set in different situations.
- Use appropriate basic English sentences/phrases while speaking
- Demonstrate how to communicate in a well -mannered way with others.
- Demonstrate working with others in a team
- Show how to conduct oneself appropriately with all genders and PwD
- Discuss the significance of reporting sexual harassment issues in time
- Discuss the significance of using financial products and services safely and securely.
- Explain the importance of managing expenses, income, and savings.
- Explain the significance of approaching the concerned authorities in time for any exploitation as per legal rights and laws
- Show how to operate digital devices and use the associated applications and features, safely and securely
- Discuss the significance of using internet for browsing, accessing social media platforms, safely and securely
- Discuss the need for identifying opportunities for potential business, sources for arranging money and potential legal and financial challenges
- Differentiate between types of customers
- Explain the significance of identifying customer needs and addressing them
- Discuss the significance of maintaining hygiene and dressing appropriately
- Create a biodata
- Use various sources to search and apply for jobs
- Discuss the significance of dressing up neatly and maintaining hygiene for an interview
- Discuss how to search and register for apprenticeship opportunities.

Classroom Aids

Laptop, white board, marker, projector, charts

Tools, Equipment and Other Requirements



Annexure

Trainer Requirements

Trainer Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
Vedavibhushana with knowledge of Vedic Mathematics	Knowledge of veda and practice of vedic mathematics	2	practice of vedic mathematics	NA	NA	NA
Bachelor's Degree in Veda with knowledge of Mathematics	Knowledge of veda and practice of vedic mathematics	2	practice of vedic mathematics	N/A	N/A	N/A

Trainer Certification	
Domain Certification	Platform Certification
Certified for Job Role "Vedic Ganit- Kanishtha sahayak", mapped to QP: "EDU/Q8001 v1.0", Minimum accepted score is 80%	Recommended that the trainer is certified for the Job Role: "trainer (VET & Skills)" mapped to the qualification Pack: "MEP/Q2601, V2.0. The minimum accepted score is 80%.



Assessor Requirements

Assessor Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
Vedavibhushana with knowledge of Vedic Mathematics	Knowledge of veda and practice of vedic mathematics	3	practice of vedic mathematics	1	Knowledge of veda and practice of vedic mathematics	NA
Bachelor's Degree in Mathematics with knowledge of Vedic Mathematics	Knowledge of veda and practice of vedic mathematics	2	practice of vedic mathematics	1	Knowledge of veda and practice of vedic mathematics	N/A
Master's Degree in Mathematics with knowledge of Vedic Mathematics	Knowledge of veda and practice of vedic mathematics	2	practice of vedic mathematics	1	Knowledge of veda and practice of vedic mathematics	N/A

Assessor Certification	
Domain Certification	Platform Certification
Certified for Job Role "Vedic Ganit- Kanishtha sahayak", mapped to QP: "EDU/Q8001 v1.0", Minimum accepted score is 80%	Recommended that the Assessor is certified for the Job Role: "Assessor (VET & Skills)" mapped to the qualification Pack: "MEP/Q2601, V2.0. The minimum accepted score is 80%.



Tools and Equipments

LIST OF TOOLS & EQUIPMENT FOR EMPLOYABILITY SKILLS		
S No.	Name of the Equipment	Quantity
1.	Computer (PC) with latest configurations - and Internet connection with standard operating system and standard word processor and worksheet software (Licensed) (all software should either be latest version or one/two version below)	As required
2.	UPS	As required
3.	Scanner cum Printer	As required
4.	Computer Tables	As required
5.	Computer Chairs	As required
6.	LCD Projector	As required
7.	White Board 1200mm x 900mm	As required
8.	Related books	As required



Assessment Strategy

- Assessment will be based on the concept of Independent Assessors empaneled with Maharshi Sandipani Rashtriya Veda Vidya Pratishthan (MSRVVP), identified, selected, trained and certified on Assessment techniques. These Assessors would be aligned to assess as per the laid down criteria.
- MSRVVP would conduct assessment only at the training centers or designated testing centers authorized by MSRVVP.
- Ideally, the assessment will be a continuous process comprising of two distinct steps:
 - A. Continuous assessment by Trainers
 - B. Term end /Final Assessment by MSRVVP
- Each National Occupational Standard (NOS) in the respective QPs will be assigned weightage. Each Performance Criteria in the NOS will be assigned marks for theory and/or practical based on relative importance and criticality of function.
- This will facilitate preparation of question bank / paper sets for each of the QPs. Each of these papers sets/question banks created by subject matter experts through MSRVVP, especially with regard to the practical test and the defined tolerances, finish, accuracy etc.
- The following tools are proposed to be used for final assessment:
 - i. Written Test: This will comprise of
 - (i) True/False Statements and/or
 - (ii) Multiple Choice Questions and/or
 - (iii) Matching Type Questions.
 - ii. Practical Test: This will comprise a test job to be prepared as per project briefing following appropriate working steps, using necessary tools, equipment and instruments. Through observation it will be possible to ascertain candidate's aptitude, attention to details, quality consciousness etc.
 - iii. Structured Viva-voce: This tool will be used to assess the conceptual understanding and the behavioral aspects as regards the job role and the specific task at hand.



References

Glossary

Sector	Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
Occupation	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organization.
Occupational Standards (OS)	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the Knowledge and Understanding (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
Performance Criteria (PC)	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.
National Occupational Standards (NOS)	NOS are occupational standards which apply uniquely in the Indian context.
Qualifications Pack (QP)	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.
Unit Code	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
Unit Title	Unit title gives a clear overall statement about what the incumbent should be able to do.
Description	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.



Scope	Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.
Knowledge and Understanding (KU)	Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and organizational specific knowledge that an individual needs in order to perform to the required standard.
Organizational Context	Organizational context includes the way the organization is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
Technical Knowledge	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
Core Skills/ Generic Skills (GS)	Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today's world. These skills are typically needed in any work environment in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.
Electives	Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.
Options	Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.

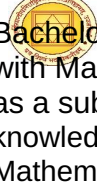



Acronyms and Abbreviations

Term	Description
QP	Qualification Pack
NSQF	National Skills Qualification Framework
NOS	National Occupational Standards
TVET	Technical and Vocational Education and Training
SOP	Standard Operating Procedure
CBG	Compressed Bio Gas
SAP	Systems, Applications & Products in Data Processing
PPE	Personal Protective Equipment

Trainer Requirements

Trainer prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
Vedavibhushana / Moolanta / with knowledge of Vedic Mathematics	Knowledge of Veda and Practice of Vedic Mathematics	2	Vedic Mathematics Practice	NA	NA	NA
Bachelor's Degree in any related subjects of Veda with knowledge of Vedic Mathematics	Knowledge of Veda and Practice of Vedic Mathematics	1	Vedic Mathematics Practice	NA	NA	NA

 Bachelor's Degree with Mathematics as a subject with knowledge of Vedic Mathematics	Knowledge of Veda and Practice of Vedic Mathematics	1	Vedic Mathematics Practice	NA	NA	NA	
1 year Certificate/Diploma in Vedic Mathematics	Knowledge of Veda and Practice of Jyotish Shastra	2	Vedic Mathematics Practice	NA	NA	NA	
Traditional practitioner	Knowledge of Veda and Practice of Vedic Mathematics	10	Vedic Mathematics Practice	NA	NA	NA	

Trainer Certification

Domain Certification	Platform Certification
V1.0. Trainer minimum accepted score is 80%.	Recommended that the trainer is certified for the Job Role: "trainer (VET & Skills)" mapped to the qualification Pack: "MEP/Q2601, V2.0. The minimum accepted score is 80%.



Assessor Requirements

Assessor Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
Vedavibhushana with knowledge of Vedic Mathematics	Knowledge of Veda and Practice of Vedic Mathematics	3	Vedic Mathematics Practice	1	Knowledge of Veda and Practice of Vedic Mathematics	NA
Bachelor's Degree in any related subjects of Veda with knowledge of Vedic Mathematics	Knowledge of Veda and Practice of Vedic Mathematics	2	Vedic Mathematics Practice	1	Knowledge of Veda and Practice of Vedic Mathematics	NA
Bachelor's Degree with Mathematics as a subject with knowledge of Vedic Mathematics	Knowledge of Veda and Practice of Vedic Mathematics	2	Vedic Mathematics Practice	1	Knowledge of Veda and Practice of Vedic Mathematics	NA
1 year Certificate/Diploma in Vedic Mathematics	Knowledge of Veda and Practice of Jyotish Shastra	3	Vedic Mathematics Practice	1	Knowledge of Veda and Practice of Jyotish Shastra	NA
Traditional practitioner	Knowledge of Veda and Practice of Vedic Mathematics	10	Vedic Mathematics Practice	1	Knowledge of Veda and Practice of Vedic Mathematics	NA



Assessor Certification	
Domain Certification	Platform Certification
V1.0. Assessor minimum accepted score is 80%.	Recommended that the Assessor is certified for the Job Role: "Assessor (VET & Skills)" mapped to the qualification Pack: "MEP/Q2601, V2.0. The minimum accepted score is 80%.

Tools and Equipments

LIST OF TOOLS & EQUIPMENT FOR EMPLOYABILITY SKILLS		
S No.	Name of the Equipment	Quantity
1.	Computer (PC) with latest configurations - and Internet connection with standard operating system and standard word processor and worksheet software (Licensed) (all software should either be latest version or one/two version below)	As required
2.	UPS	As required
3.	Scanner cum Printer	As required
4.	Computer Tables	As required
5.	Computer Chairs	As required
6.	LCD Projector	As required
7.	White Board 1200mm x 900mm	As required
8.	Related books	As required



Assessment Strategy

- Assessment will be based on the concept of Independent Assessors empaneled with Maharshi Sandipani Rashtriya Veda Vidya Pratishthan (MSRVVP), identified, selected, trained and certified on Assessment techniques. These Assessors would be aligned to assess as per the laid down criteria.
- MSRVVP would conduct assessment only at the training centers or designated testing centers authorized by MSRVVP.
- Ideally, the assessment will be a continuous process comprising of two distinct steps:
 - A. Continuous assessment by Trainers
 - B. Term end /Final Assessment by MSRVVP
- Each National Occupational Standard (NOS) in the respective QPs will be assigned weightage. Each Performance Criteria in the NOS will be assigned marks for theory and/or practical based on relative importance and criticality of function.
- This will facilitate preparation of question bank / paper sets for each of the QPs. Each of these papers sets/question banks created by subject matter experts through MSRVVP, especially with regard to the practical test and the defined tolerances, finish, accuracy etc.
- The following tools are proposed to be used for final assessment:
 - i. Written Test: This will comprise of
 - (i) True/False Statements and/or
 - (ii) Multiple Choice Questions and/or
 - (iii) Matching Type Questions.
 - ii. Practical Test: This will comprise a test job to be prepared as per project briefing following appropriate working steps, using necessary tools, equipment and instruments. Through observation it will be possible to ascertain candidate's aptitude, attention to details, quality consciousness etc.
 - iii. Structured Viva-voce: This tool will be used to assess the conceptual understanding and the behavioral aspects as regards the job role and the specific task at hand.



References

Glossary

Sector	Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
Occupation	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organization.
Occupational Standards (OS)	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the Knowledge and Understanding (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
Performance Criteria (PC)	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.
National Occupational Standards (NOS)	NOS are occupational standards which apply uniquely in the Indian context.
Qualifications Pack (QP)	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.
Unit Code	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
Unit Title	Unit title gives a clear overall statement about what the incumbent should be able to do.
Description	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.



Scope	Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.
Knowledge and Understanding (KU)	Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and organizational specific knowledge that an individual needs in order to perform to the required standard.
Organizational Context	Organizational context includes the way the organization is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
Technical Knowledge	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
Core Skills/ Generic Skills (GS)	Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today's world. These skills are typically needed in any work environment in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.
Electives	Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.
Options	Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.



Acronyms and Abbreviations

Term	Description
NOS	National Occupational Standard (s)
NSQF	National Skills Qualifications Framework
OJT	On-the-job Training
QP	Qualifications Pack
PwD	People with Disability
PPE	Personal Protective Equipment
NCVET	National Council for Vocational Education and Training
NCO	National Classification of Occupations
NQR	National Qualification Register