



QUALIFICATION FILE

Advanced Farm Equipment Supervisor

☒ Short Term Training (STT) ☐ Long Term Training (LTT) ☐ Apprenticeship

☐ Up skilling ☐ Dual/Flexi Qualification ☐ For ToT ☐ For ToA

☒ General ☐ Multi-skill (MS) ☐ Cross-Sectorial (CS) ☐ Future Skills ☐ OEM

NCrF / NSQF Level: 5

Submitted By:

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Bhubaneswar, At Ramachandrapur, Jatni,

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Section 1: Basic Details

1.	Qualification Name	Advanced Farm Equipment Supervisor														
2.	Sector/s	Agriculture														
3.	Type of Qualification: ☒ New ☐ Revised ☐ Has Electives/Options ☐ OEM	NQR Code & version of existing/previous qualification: (change to previous, once approved) NA	Qualification Name of existing/previous version: NA													
4.	a. OEM Name b. Qualification Name (Wherever applicable)	NA														
5.	National Qualification Register (NQR) Code &Version (Will be issued after NSQC approval)	QG-05-AG-04288-2025-V1-CUTM	6. NCrF / NSQF Level: 5													
7.	Award (Certificate/Diploma/Advance Diploma/ Any Other (Wherever applicable specify multiple entry/exits also & provide details in annexure)	Certificate (Advanced Farm Equipment Supervisor)														
8.	Brief Description of the Qualification	The supervisor is responsible to supervise advanced farm machinery operation based on the standard operating procedure, supervise GPS-guided machinery and automated systems. He also monitor crop health and environmental conditions using sensors, adjust farming practices based on data analytics and remote sensing and conduct routine maintenance and ensure equipment safety.														
9.	Eligibility Criteria for Entry for Student/Trainee/Learner/Employee	Entry Qualification & Relevant Experience: <table border="1"> <thead> <tr> <th>S. No.</th> <th>Academic/Skill Qualification (with Specialization - if applicable)</th> <th>Required Experience (with Specialization - if applicable)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UG diploma in Agriculture, Botany</td> <td>NA</td> </tr> <tr> <td>2</td> <td>UG Certificate in Agriculture, Botany</td> <td>1.5 years of relevant field experience</td> </tr> <tr> <td>3</td> <td>12th grade passed</td> <td>3 years of relevant field experience</td> </tr> </tbody> </table>			S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)	1	UG diploma in Agriculture, Botany	NA	2	UG Certificate in Agriculture, Botany	1.5 years of relevant field experience	3	12 th grade passed	3 years of relevant field experience
S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)														
1	UG diploma in Agriculture, Botany	NA														
2	UG Certificate in Agriculture, Botany	1.5 years of relevant field experience														
3	12 th grade passed	3 years of relevant field experience														

		<table border="1"> <tr> <td>4</td><td>Relevant NSQF level 4 job role certified person</td><td>3 years of relevant experience</td></tr> <tr> <td>5</td><td>Relevant NSQF level 4.5 job role certified person</td><td>1.5 years of relevant experience</td></tr> </table>	4	Relevant NSQF level 4 job role certified person	3 years of relevant experience	5	Relevant NSQF level 4.5 job role certified person	1.5 years of relevant experience													
4	Relevant NSQF level 4 job role certified person	3 years of relevant experience																			
5	Relevant NSQF level 4.5 job role certified person	1.5 years of relevant experience																			
10.	Credits Assigned to this Qualification, Subject to Assessment (as per National Credit Framework (NCrF))	18	11. Common Cost Norm Category (I/II/III) (wherever applicable): I																		
12.	Any Licensing requirements for Undertaking Training on This Qualification (wherever applicable)	Heavy vehicle Driving License																			
13.	Training Duration by Modes of Training Delivery (Specify Total Duration as per selected training delivery modes and as per requirement of the qualification)	☒ Offline ☐ Online ☐ Blended <table border="1"> <thead> <tr> <th>Training Delivery Modes</th><th>Theory (Hours)</th><th>Practical (Hours)</th><th>OJT Mandatory (Hours)</th><th>OJT Recommended (Hours)</th><th>Total (Hours)</th></tr> </thead> <tbody> <tr> <td>Classroom (offline)</td><td>184</td><td>296</td><td>60</td><td>-</td><td>540</td></tr> <tr> <td>Online</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> (Refer Blended Learning Annexure for details)		Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)	Classroom (offline)	184	296	60	-	540	Online					
Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)																
Classroom (offline)	184	296	60	-	540																
Online																					
14.	Aligned to NCO/ISCO Code/s (if no code is available mention the same)	NCO 2015: 8341.9900																			
15.	Progression path after attaining the qualification (Please show Professional and Academic progression)	Professional progression: Manager – Advanced Farming ↑ Advanced Farm Equipment Supervisor																			
16.	Other Indian languages in which the Qualification & Model Curriculum are being submitted	Hindi																			
17.	Is similar Qualification(s) available on NQR-if yes, justification for this qualification	☐ Yes ☒ No URLs of similar Qualifications:																			
18.	Is the Job Role Amenable to Persons with Disability	☐ Yes ☒ No																			

		If “Yes”, specify applicable type of Disability:	
19.	How Participation of Women will be Encouraged	Women Executives and HR specialists in Management, MHRM specialized women employees are encouraged with the same skills and competencies as liaison and negotiation roles will be equally participated in this role	
20.	Are Greening/ Environment Sustainability Aspects Covered <i>(Specify the NOS/Module which covers it)</i>	☐ Yes ☒ No	
21.	Is Qualification Suitable to be Offered in Schools/Colleges	Schools ☐ Yes ☐ No Colleges ☒ Yes ☐ No	
22.	Name and Contact Details of Submitting / Awarding Body SPOC <i>(In case of CS or MS, provide details of both Lead AB & Supporting ABs)</i>	Name: Parthasarathi Mohanty Email: partha@cutm.ac.in Contact No.:9937033338 Website: https://cutm.ac.in	
23.	Final Approval Date by NSQC: 08.05.2025	24. Validity Duration: 3 years from the NSQC approval date	25. Next Review Date: 08.05.2028

Section 2: Module Summary

NOS/s of Qualifications

(In exceptional cases these could be described as components)

Mandatory NOS/s:

Specify the training duration and assessment criteria at NOS/ Module level. For further details refer curriculum document.

Th.-Theory Pr.-Practical OJT-On the Job Man.-Mandatory Training Rec.-Recommended Proj.-Project

S. No.	NOS/Module Name	Module Code & Version (if applicable)	Core/ Non- Core	NCrF / NSQF Level	Credits as per NCrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT- Man.	OJT- Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (%) (if applicable)
1	Supervise advanced machining seedbed preparation	CUTM/AGR/N1101,V.1.0	Core	5	3	30	60	-	-	90	30	40	0	30	100	20%
2	Supervise advanced machining sowing/transplanting	CUTM/AGR/N1102,V.1.0	Core	5	3	30	40	20	-	90	40	60	0	0	100	20%
3	Supervise an advanced intercultural equipment	CUTM/AGR/N1103,V.1.0	Core	5	4	40	50	30	-	120	30	40	0	30	100	20%
4	Supervise mechanized harvesting and threshing	CUTM/AGR/N1104,V.1.0	Core	5	3	30	50	10	-	90	40	30	0	30	100	10%
5	Ensure organizational health, safety, and security	CUTM/VSQ/N7801, V.1.0	Non-Core	5	3	30	60	0	-	90	30	70	0	0	100	20%
6	Employability Skills	DGT/VSQ/N0102,V.1.0	Non-Core	5	2	24	36	0	-	60	20	30	0	0	50	10%
Duration (in Hours) / Total Marks					18	184	296	60	-	540	190	270	0	90	550	100%

Elective NOS/s:

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/Non-Core	NCrF/NS QF Level	Credits as per NCrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (%) (if applicable)
1.	NA															
2.																
Duration (in Hours) / Total Marks																

Optional NOS/s:

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/Non-Core	NCrF/NS QF Level	Credits as per NCrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (%) (if applicable)
1.	NA															
2.																
Duration (in Hours) / Total Marks																

Assessment - Minimum Qualifying Percentage

Please specify any one of the following:

Minimum Pass Percentage – Aggregate at qualification level: 70 % (Every Trainee should score specified minimum aggregate passing percentage at qualification level to successfully clear the assessment.)

Minimum Pass Percentage – NOS/Module-wise: 60 % (Every Trainee should score specified minimum passing percentage in each mandatory and selected elective NOS/Module to successfully clear the assessment.)

Section 3: Training Related

1.	Trainer's Qualification and experience in the relevant sector (in years) <i>(as per NCVET guidelines)</i>	Graduate in Agriculture / Zoology / Biology with 3 years of relevant experience and 1 year training experience
2.	Master Trainer's Qualification and experience in the relevant sector (in years) <i>(as per NCVET guidelines)</i>	Graduate in Agriculture / Zoology / Biology with 5 years of relevant experience and 3 years of training experience
3.	Tools and Equipment Required for Training	☒ Yes ☐ No <i>(If "Yes", details to be provided in Annexure)</i>
4.	In Case of Revised Qualification, Details of Any Upskilling Required for Trainer	NA

Section 4: Assessment Related

1.	Assessor's Qualification and experience in relevant sector (in years) <i>(as per NCVET guidelines)</i>	Graduate in Agriculture / Zoology / Biology with 3 years of relevant experience and 1 year training experience
2.	Proctor's Qualification and experience in relevant sector (in years) <i>(as per NCVET guidelines)</i>	Graduate with 1 year of proctor based online assessment
3.	Lead Assessor's/Proctor's Qualification and experience in relevant sector (in years) <i>(as per NCVET guidelines)</i>	Graduate in Agriculture / Zoology / Biology with 7 years of relevant training experience
4.	Assessment Mode <i>(Specify the assessment mode)</i>	Offline / Online mode for special cases:
5.	Tools and Equipment Required for Assessment	☐ Same as for training ☐ Yes ☒ No <i>(details to be provided in Annexure-if it is different for Assessment)</i>

Section 5: Evidence of the need for the Qualification

Provide Annexure/Supporting documents name.

1.	Latest Skill Gap Study (not older than 2 years) (Yes/No): Yes
2.	Latest Market Research Reports or any other source (not older than 2 years) (Yes/No): No
3.	Government /Industry initiatives/ requirement (Yes/No): Yes
4.	Number of Industry validation provided: 35 Industry Validation
5.	Estimated nos. of persons to be trained and employed: 600 in 3 years
6.	Evidence of Concurrence/Consultation with Line Ministry/State Departments: Yes If "No", why:

Section 6: Annexure & Supporting Documents Check List

Specify Annexure Name / Supporting document file name

1.	Annexure: NCrf/NSQF level justification based on NCrf level/NSQF descriptors <i>(Mandatory)</i>	Yes
2.	Annexure: List of tools and equipment relevant for qualification <i>(Mandatory, except in case of online course)</i>	NA
3.	Annexure: Detailed Assessment Criteria <i>(Mandatory)</i>	Yes
4.	Annexure: Assessment Strategy <i>(Mandatory)</i>	Yes
5.	Annexure: Blended Learning <i>(Mandatory, in case selected Mode of delivery is "Blended Learning")</i>	NA
6.	Annexure: Multiple Entry-Exit Details <i>(Mandatory, in case qualification has multiple Entry-Exit)</i>	NA
7.	Annexure: Acronym and Glossary <i>(Optional)</i>	Yes
8.	Supporting Document: Model Curriculum <i>(Mandatory – Public view)</i>	Yes
9.	Supporting Document: Career Progression <i>(Mandatory - Public view)</i>	Yes

10.	Supporting Document: Occupational Map (Mandatory)	Yes
11.	Supporting Document: Assessment SOP (Mandatory)	Yes
12.	Any other document you wish to submit:	NA

Annexure: Evidence of Level

NCrF/NSQF Level Descriptors	Key requirements of the job role/ outcome of the qualification	How the job role/ Outcomes relate to the NCrF/NSQF level descriptor	NCrF/NSQF Level
Professional Theoretical Knowledge/Process.	Demands a wide range of specialized technical skill, clarity of knowledge and practice in broad range of activity involving standard and non-standard practices - Education: While formal education requirements can vary depending on the specific job and industry, many roles may require a bachelor's degree at minimum. Degrees in Agriculture or Botany resolution can be beneficial. - Training and Certifications: Specialized training or certifications in negotiation and conflict resolution can enhance your qualifications for these roles. Examples include certification programs offered by professional organizations.	Advanced Farm Equipment Supervisor: Negotiation skills are crucial when dealing with purchasing, partners, or suppliers with conflicts among employees, negotiate with labor unions, and resolve disputes related to employment contracts or workplace issues. Hence, it has been categorized as a level 5 job role.	5
Professional and Technical Skills/ Expertise/ Professional Knowledge	Factual and theoretical knowledge in broad contexts within a field of work or study. - Employers often look for candidates with relevant experience in understanding various Aquaculture methods. This experience could be gained through internships, previous employment, volunteer work, or extracurricular activities. - Strong interpersonal skills are essential for effectively negotiating and resolving conflicts. This includes active listening, empathy, communication skills, and the ability to build rapport with diverse individuals and groups. - The ability to analyze situations, identify underlying interests and	- Advanced Farm Equipment Supervisor: various intensive aquaculture technologies to be adapted based on the Customer requirement. - Need to set-up and train the concern to operate the aquaculture farm - Inspect the various parameter of aquaculture farm to confirm to the requirement. Hence, it has been categorized as a level 5 job role.	5

	motivations, and evaluate potential solutions is crucial for successful negotiation and conflict resolution. Employers seek candidates who can creatively and effectively solve problems, whether they involve interpersonal conflicts, contractual disputes, or other issues requiring negotiation.		
	A range of cognitive and practical skills required to generate solutions to specific problems in a field of Negotiations and resolutions management - Emotional intelligence, including self-awareness, self-regulation, social awareness, and relationship management, is highly valued in roles that involve negotiation and conflict resolution. - Integrity, honesty, and a commitment to ethical behavior are essential for building trust and credibility in negotiation and conflict resolution processes. - Negotiation and conflict resolution often require flexibility and adaptability to changing circumstances, differing perspectives, and unexpected challenges. - Cultural sensitivity and awareness are essential for navigating negotiations and resolving conflicts across diverse cultural contexts.	Educator/Trainer: Teachers and trainers need conflict resolution skills to manage intensive aquaculture technologies. Hence, it has been categorized as a level 5 job role.	5
Broad Learning Outcomes/Core Skill	Effective Communication: The ability to express ideas clearly, listen actively, and convey information accurately is essential for successful negotiation and conflict resolution. Effective communicators can articulate their interests, understand the perspectives of others, and facilitate constructive dialogue. Active Listening: Active listening involves fully concentrating on what others are saying, understanding their points of view, and empathizing with their emotions. Active listening helps negotiators and conflict resolution specialists to grasp the underlying interests and concerns of all parties involved. Problem-Solving: Negotiation and conflict resolution require the ability to analyze complex situations, identify underlying issues, and generate creative solutions. Problem-solving skills enable individuals to address conflicts constructively and find mutually beneficial outcomes. Emotional Intelligence: Emotional intelligence encompasses self-awareness, self-regulation, empathy, and social skills. Individuals with	Advanced Farm Equipment Supervisor: The person to identify scope, timelines, and budgets with clients and stakeholders along with timelines. Hence, it has been categorized as a level 5 job role.	5

	high emotional intelligence can manage their own emotions effectively, understand the emotions of others, and navigate interpersonal dynamics in negotiation and conflict resolution processes. ● Flexibility and Adaptability: Negotiation and conflict resolution often involve unpredictable situations, diverse perspectives, and changing circumstances. Flexibility and adaptability enable individuals to adjust their strategies, tactics, and approaches to meet the needs of different situations and stakeholders. ● Assertiveness: Assertiveness involves advocating for one's own interests and needs while respecting the rights and perspectives of others. Assertive communicators can assert their positions confidently, express their concerns constructively, and negotiate effectively without being overly aggressive or passive. ● Empathy: Empathy involves understanding and sharing the feelings and perspectives of others. Empathetic individuals can build rapport, establish trust, and foster positive relationships, which are essential for successful negotiation and conflict resolution. ● Conflict Management: Conflict management skills involve effectively addressing and resolving conflicts in a constructive manner. Individuals with strong conflict management skills can de-escalate tensions, facilitate dialogue, and find mutually acceptable solutions to disagreements. ● Negotiation Techniques: Negotiation techniques encompass a range of strategies and tactics for influencing outcomes, managing concessions, and reaching agreements. Negotiators must be proficient in techniques such as problem-solving negotiation, distributive negotiation, integrative negotiation, and principled negotiation. ● Ethical Conduct: Ethical conduct is fundamental to maintaining integrity, trust, and credibility in negotiation and conflict resolution processes. Ethical negotiators adhere to principles of fairness, honesty, transparency, and respect for the rights and dignity of all parties involved.		
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Responsibility	Responsibility for own work and learning and full responsibility for other's work and learning ● Leading Negotiations: Negotiation and conflict resolution managers often lead negotiations on behalf of their organization with clients, vendors, partners, or other stakeholders. This includes negotiating contracts, agreements, pricing, and other terms and conditions. ● Developing Negotiation Strategies: They develop negotiation strategies and tactics based on an understanding of the organization's goals, interests, and priorities. This may involve conducting research, analyzing market trends, and assessing the strengths and weaknesses of both parties involved in the negotiation. ● Training and Coaching: Negotiation and conflict resolution managers may provide training and coaching to employees within the organization to enhance their negotiation skills. This could include conducting workshops, seminars, or one-on-one coaching sessions to improve negotiation techniques and strategies. ● Mediating Conflicts: They mediate conflicts and disputes that arise within the organization or between the organization and external parties. This involves facilitating communication, identifying common ground, and helping parties find mutually acceptable solutions to their differences. ● Facilitating Communication: Negotiation and conflict resolution managers facilitate communication between different departments, teams, or individuals within the organization to prevent or resolve conflicts. This may involve organizing meetings, facilitating discussions, and promoting open dialogue. ● Analyzing Disputes: They analyze disputes and conflicts to identify underlying issues, interests, and root causes. This includes gathering relevant information, conducting interviews, and using analytical tools to assess the situation and develop appropriate strategies for resolution. ● Developing Policies and Procedures: Negotiation and conflict resolution managers may develop policies, procedures, and guidelines for managing conflicts and negotiations within the organization. This	● Gain more experience and expertise, they may take on more responsibility within their teams or projects. ● Negotiation skills become increasingly important, particularly when collaborating with other team members, stakeholders, or clients to define project scope, timelines, and deliverables. ● Conflict management skills become essential for resolving disagreements or disputes that may arise during the development process, such as conflicting priorities, resource constraints, or technical disagreements. Hence, it has been categorized as a level 5 job role.	5
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	helps to ensure consistency, fairness, and transparency in the resolution process. ● Building Relationships: They build and maintain relationships with key stakeholders, both internal and external, to foster collaboration and cooperation. This involves establishing trust, credibility, and rapport through effective communication and conflict resolution. ● Monitoring and Evaluation: Negotiation and conflict resolution managers monitor the effectiveness of negotiation and conflict resolution processes within the organization. This includes tracking key performance indicators, gathering feedback from stakeholders, and evaluating the outcomes of negotiations and conflict resolution efforts. ● Staying Current with Best Practices: They stay current with industry trends, best practices, and emerging technologies related to negotiation and conflict resolution. This may involve attending conferences, participating in professional development activities, and networking with other professionals in the field.		
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Annexure: Tools and Equipment (Lab Set-Up)

List of Tools and Equipment

Batch Size: 25

S. No.	Tool / Equipment Name	Specification	Quantity for specified Batch size
1	Tractor		Each 1 pond
2	Precision Tillage Implements		5
3	GPS/GNSS Receiver		5 sets
4	Control Console		1
5	Sensors		5 sets
6	Calibration Tools		1

7	Field Mapping Software		5
8	Computer or Tablet		5
9	Remote Monitoring Software		5
10	Safety Gear		5
11	Adjustable Tine Cultivators		5
12	Variable-Width Disc Harrows		5
13	Flexible Depth-Control Planters		5
14	Modular Bed Shapers, Precision		5
15	Rotary Tillers		5
16	Strip Tillage Equipment,		5
17	Soil Conditioners		5
18	Soil Mapping and Monitoring Tools		5
19	Row Cleaners and Row Unit Tillage Attachments		5
20	GPS and Auto-Steer Systems		5
21	Variable Rate Seeder		2
22	Integrated Farm Management Software		5

Classroom Aids

The aids required to conduct sessions in the classroom are:

1. Personal Computer
2. Projection Equipment
3. White Board
4. Board Marker
5. PowerPoint Presentation

6. Participant's Handbook.

Annexure: Industry Validations Summary

Provide the summary information of all the industry validations in table. This is not required for OEM qualifications.

S. No	Organization Name	Representative Name	Designation	Contact Address	Contact Phone No	E-mail ID	LinkedIn Profile (if available)
1	Arogya Millets Producer Company Limited	Usharani Ganthakora	Director	Arogya Millets Producer Company Limited Office Address: Flat no.6, first floor of SBI, Opp: Police station, Kothavalasa, Vizianagaram, Andhra Pradesh, PIN: 535183	8639277205	arogyamilletsfpo@gmail.com	-
2	ANGARALAMMA SAHAJA FARMERS PRODUCER COMPANY LIMITED	Chiranjeevi Neechuka	Director	Office Address: - Pedakarja, Gummalaxmi Puram Vizianagaram, Vizianagaram, Andhra Pradesh - 535523	-	artskurupam@yahoo.com	-
3	BLOSSOM EDUCATION AND SOCIAL TRUST	Mahebab Shariff	Chairman	Office Address: At- Municipality Square, Ramachandrapur Bazar PO- Jatni, Dist- Khordha State- Odisha, Pin- 752050	8280172557	-	-

4	Bishwa Seva Pratishthan	Arun Kumar Nayak	Secretary	Bishwa Seva Pratishthan Registration No: 20489/39, sundargarh (ORISSA) Bargaon ITI Campus, At/Po- Bargaon District-Sundargarh Odisha-770016	9777354017	dr.aknayak17@gmail.com	-
5	BLISS Foundation	Tirtha Chandan Patra	Chairman	Registered Office Address: C/O Joel Raju Gupta, Nehru Nagar, Second Lane, Near Balaji Sweet, Jyoti Foundry, Rayagada – 765001	9437018337	foundationbliss@gmail.com	-
6	Bapuji Rural Enlightment and Development Society	Tara Srinivas	Project Head	Registered Office Address: Madhavadhara, Visakhapatnam – 530018, Andhra Pradesh	9348385804	tsreddy74@gmail.com	-
7	Choudhury Agro Industry	Susil Dwari	COO	Gundadwar, Badamba, Odisha	8249337429	susildwari@gmail.com	-
8	Eastern Ghat Farmer Producer Pvt Ltd	Pasupuleti Subbarao	Board of Director	Chinna korada street, srikakulam, AP	7569570724	easternghatsfpci@outlook.com	-
9	FRIEND'S ASSOCIATION FOR RURAL RECONSTRUCTION (FARR)	Bijay Kumar Baboo	Chairman	Registered Office Address: Muniguda, Muniguda, Rayagada, Odisha – 765020	6670 230105	farrbkumar@gmail.com	-

10	General Aeronautics Innovation in Aviation	Abhisek Barman	CEO and Founder Director	F86, First Floor, Vinyas Building, ITI Campus, Doorvaninagar, KR Puram, Bangalore- 560016	-	info@generalaeronautics.com	-
11	Gramasiri Farmer Producer Company Ltd	R. Gouri Naidu	Chief Executive Officer	Baskar Colony, Chanapuram Limits,SBI Staff colony,Srikakulam	6300976023	gramsirifpo@gmail.com	-
12	Ganapati Agro	Prasant Kunal	Managing Director	Bhagabanpur,Patrapada,BBSR	9439085732	prasantkunal1994@gmail.com	-
13	Gogu Kiranal Producer Company Ltd	N.Srinivas Rao	Chief Executive Officer	Bejipuram Village and post ,Laveru Mandal, Srikakulam	9573401471	gogukiranalufpo@gmail.com	-
14	Green Bird Farmer Producer Company Ltd		Board of Director	Chinna korada street, srikakulam, AP	9550806518	greenbirdfpcl@gmail.com	-
15	Gram Tarang Inclusive Development Services Pvt. Ltd	B. Venkata Sivananda Kumar	Managing Director	Door No: 39-33-33, 1st Floor, B-107, Vuda Colony, Madhavadhara, Visakhapatnam - 530018	7382092355	venkat@gramtarang.org	-
16	Gram Tarang Technology	B. Venkata Sivananda Kumar	Director	Admin Office: D No-50-42/21/4, Flat No 501, P& T Colony, Seethammadhara, Vishakhapatnam - 530013 Registered Office: B107 KSR Pleasant Valley, Madhavadhara, Vishakhapatnam - 530018	7382092355	venkat@gramtarang.org	

17	General Aeronautics	Abhisek Burman	CEO	Doorvaninagar, KR Puram, Bangalore		info@generalaeronautics.com	-
18	Jagannath Agro Industry	Subrat Sahu	CEO	Jagatpur Industry Estate, Jagatpur, Odisha	9861329308	sahu.sks@gmail.com	-
19	Kathya Agro Industry Pvt Ltd	Diptimayee Sinha	CEO	Tankapani Road, Bhubaneswar	9861805588	diptilohita@gmail.com	-
20	Krisivala Mitra Agriculture and Allied Producer Mutually Aided cooperative Society Ltd	K.Lakhsamana Rao	Chief Executive Officer	Divanjipeta village, Srikakulam, AP	9963203885	lakhsamanaraokoti@gmail.com	-
21	Karsaka Mitra Agriculture and Allied Producers Mutually Aided Cooperative Society Ltd	K.Sriramulu	Chief Executive Officer	Laveru Mandal, Srikakulam	9704021677	kallasriram86@gmail.com	-
22	Kulamani Agro Industry	Kulamani Bastia	Deputy Manager	Malia Chakka, Asureswar, Odisha	8270343670	bastia_657@gmail.com	-
23	Maa Byaghradevi Agro Industry	Sunil Patnaik	Director	Dadaralunda, Mujagada, Ganjam, Odisha	9439913653	patnaiksunil1@gmail.com	-

24	Mahalaxmi Agro Industry	Biraja Prasad Senapati	Manager	Aul, Odisha	9778862233	birajapr007@gmail.com	-
25	Rivan Smart Manufacturing Pvt. Ltd	Arun Manohar	CEO	Rollawaka Village, Vizianagaram	7751053118	amgurram@cutmap.ac.in	-
26	Rameswar Agro Industry Pvt. Ltd	Ranjit Pradhan	Manager	Bhubaneswar, Odisha	7735321383	ranjitpradhan995@gmail.com	-
27	Sagarmal Fisheries Producer Company limited	Duvvarapu Venkateswarelu	Board of Director	Gandhinagar Street, Mandal, Srikakulam, AP	9494234519	sagarmalafpcl@outlook.com	-
28	Samridhi Sagara Mitra Producer company Ltd	M. Pattabhi	Chief Executive Officer	Palakonda Road, Srikakulam	9177809166	samridhisagarmitrafp@gmail.com	-
29	SB Agro Vision Pvt. Ltd	Ankita Nayak	Manager	Phulachhachuni, Odisha	7008112866	nayakankita95@gmail.com	-
30	Shreejew Agro Industries Corporation Ltd	Masang Murmu	Manager	Badagada village, Pandav Nagar, Bhubaneswar	9337586486	masang2011@gmail.com	-
31	Shakti Organization Catalysing Sustainable Development	Akhil Ranjan Panda	CEO	Sai Priya Nagar, Rayagada	9437125605	shaktiorg@gmail.com	-
32	Sun Enterprises	Surravaram Raveender	Managing Partner	Gajpati, Odisha	9492220567	suneterprisesbbsr@gmail.com	-

33	Udyam Vikash Farmer Producer Company Ltd	Tara Srinivas Mobile	Project Head	ADS Compound, Gumma, Gaiba Road, Gajapati, Odisha, 761207	9348385804	tsreddy74@gmail.com	-
34	Vaksana Farmer Production Company Ltd	Boyina Mangama	Board of Director	Chinna korada street, srikakulam, AP	8985158518	vaksanafpcl@gmail.com	-
35	Vinna Producer Company Ltd	Gadhipalli Chinnayya	Director	Office Address: LIG 147, 1st Floor, Vuda Colony Baba Metta Vizianagaram AP 535002	-	gudipatirkrishna@yahoo.co.in	-

Annexure: Training & Employment Details

Training and Employment Projections:

Year	Total Candidates		Women		People with Disability	
	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities
2025	100	100	40	40	-	-
2026	200	200	160	100	-	-
2027	300	300	200	100	-	-

Data to be provided year-wise for next 3 years

Training, Assessment, Certification, and Placement Data for previous versions of qualifications:

Qualification Version	Year	Total Candidates				Women				People with Disability			
		Trained	Assessed	Certified	Placed	Trained	Assessed	Certified	Placed	Trained	Assessed	Certified	Placed
NA													

Applicable for revised qualifications only, data to be provided year-wise for past 3 years.

List Schemes in which the previous version of Qualification was implemented:

1. NA
- 2.

Content availability for previous versions of qualifications:

☐ Participant Handbook ☐ Facilitator Guide ☐ Digital Content ☐ Qualification Handbook ☐ Any Other:

Languages in which Content is available: English

Annexure: Blended Learning

Blended Learning Estimated Ratio & Recommended Tools: NA

Refer NCVET "Guidelines for Blended Learning for Vocational Education, Training & Skilling" available on:

<https://ncvet.gov.in/sites/default/files/Guidelines%20for%20Blended%20Learning%20for%20Vocational%20Education,%20Training%20&%20Skilling.pdf>

S. No.	Select the Components of the Qualification	List Recommended Tools – for all Selected Components	Offline : Online Ratio
1	☐ Theory/ Lectures - Imparting theoretical and conceptual knowledge	NA	
2	☐ Imparting Soft Skills, Life Skills, and Employability Skills /Mentorship to Learners		
3	☐ Showing Practical Demonstrations to the learners		
4	☐ Imparting Practical Hands-on Skills/ Lab Work/ workshop/ shop floor training		
5	☐ Tutorials/ Assignments/ Drill/ Practice		

6	☐ Proctored Monitoring/ Assessment/ Evaluation/ Examinations		
7	☐ On the Job Training (OJT)/ Project Work Internship/ Apprenticeship Training		

Annexure: Assessment Criteria

Assessment outcomes	Assessment Criteria for Outcomes	Theory	Practice	OJT	Viva
CUTM/AGR/N1101, V.1.0: Supervise advanced machining for seedbed preparation	<i>Comprehensive Farm Machinery Operation and Crop Field Preparation</i>				
	PC1. Field type for different crop farming operation.	-	5	-	3
	PC2. Cropping season (Kharif and Rabi crops) & Knowledge on Climatic condition for farming.	4	5	-	5
	PC3. Soil type; Different crops need different type of soil for growth	5	5	-	5
	PC4. Levelling of seed bed for sowing or transplanting by laser land levelers	4	5	-	5
	PC5. Skill on operation of primary tillage equipment (M.B Plough, Disc plough, Indigenous plough, rotavator, Power tiller & Tractor)	5	5	-	5
	PC6. Skill on operation of secondary tillage equipment (Cultivator, Ridger, Harrow)	4	5	-	5
	PC7. Advanced farm machinery operation based on artificial intelligence.	4	5	-	1
	PC8. Operation of driverless tractor, self-operated machinery	4	5	-	1
	NOS Total	30	40	0	30
	<i>Operation and Maintenance of Advanced Sowing Machinery and Equipment</i>				
	PC1. Understand the importance of preparing appropriate germinated seeds and seedlings for sowing through advanced machinery/equipment.	10	15	-	-

CUTM/AGR/N1102,V.1.0 :Supervise advanced machining for sowing / transplanting	PC2. Understand the working and operation of each component of advanced machinery	10	15	-	-
	PC3. Learn the operation of all the advanced sowing machineries i.e., Precision planters, multi crop pneumatic seed drills, multi crop planters and advanced trans planters	10	25	-	-
	PC4. Learn to maintain the IOT based and advanced machinery before use, after use and during un seasons by proper greasing and lubricating.	10	5	-	-
	NOS Total	40	60	0	0
CUTM/AGR/N1103, V.1.0: Supervise an advanced intercultural equipment	<i>Operation, Maintenance, and Safety Practices for Smart Spraying Equipment and Drone-Based Applications</i>				
	PC1 Connect and operate machines with mobile applications (Bluetooth or GSM) and IOTs	4	3	-	3
	PC2. To change the drone battery and perform post operation maintenance of drone	4	3	-	3
	PC3. To inspect the electrostatic unit of the sprayer and clean the nozzles for any blockages.	4	3	-	5
	PC4. Inspect the delivery hose joints and clean the tank using clean water after removing the nozzle as per the SOP	4	3	-	2
	PC5. Clean the strainers and delivery hoses using clean water	2	3	-	2
	PC6. Test the tank for leakage or lose hose connections	3	3	-	2
	PC7. To examine the by-pass and cut-off valve in engine-controlled sprayer for wear and tear/damage	1	5	-	2
	PC8. To prepare the spray solution and mixture as per the guidelines	1	1	-	2
	PC9. To calibrate the sprayer and make necessary adjustments for field operation	2	4	-	2
	PC 10. To check the nozzles and replace them after certain period of time	2	4	-	2
	OC 11. Wear protective equipment and clothing such as face mask, respirators, hand gloves, boots while field operation.	1	4	-	2
	PC 12. Report workplace emergencies/ accidents as per the organizational policy	1	2	-	2

	PC13. Dispose non-recyclable waste appropriately	1	2	-	1
	NOS Total	30	40	0	30
CUTM/AGR/N1104, V.1.0: Supervise mechanized harvesting and threshing	<i>Supervision and Operational Management of Advanced Harvesting and Threshing Equipment:</i>				
	PC1. Identify and select appropriate advanced harvesting and threshing machinery based on crop type and field conditions.	5	4	-	2
	PC2. Supervise the pre-operation checks, calibration, and adjustments of harvesters and threshers for optimal performance.	5	4	-	3
	PC3. Monitor the real-time operation of combine harvesters, reapers, and threshers ensuring efficient crop handling and minimal grain loss.	5	4	-	3
	PC4. Ensure safe operation and adherence to standard operating procedures (SOPs) during harvesting and threshing activities.	5	4	-	3
	PC5. Troubleshoot basic mechanical or electronic issues in harvesting and threshing equipment and coordinate timely maintenance.	5	5	-	5
	PC6. Maintain proper records of machine usage, fuel consumption, output, and downtime for performance evaluation.	6	4	-	6
	PC7. Guide the team on post-operation cleaning, servicing, and safe storage of equipment after use.	9	5	-	8
	NOS Total	40	30	0	30
	PC1. identify different kinds of possible hazards at the workplace hazards: environmental, personal, ergonomic and chemical.	2	4	-	-
	PC2. recognize other possible security issues existing in the workplace.	2	4	-	-

CUTM/VSQ/N7801, V.1.0: Ensure organizational health, safety, and security	PC3. plan safety techniques for self and others.	2	4	-	-
	PC4. recognize different measures to curb the hazards.	2	4	-	-
	PC5. implement programs for health, safety and security of the people at the workplace.	2	4	-	-
	PC6. communicate the safety plans to everyone at the workplace.	2	4	-	-
	PC7. attach disciplinary rules with the implementation at the workplace.	2	4	-	-
	PC8. comply with regulatory health and safety guidelines applicable to the workplace.	2	4	-	-
	PC9. use and maintain protective equipment as per requirement in a production house.	2	3	-	-
	PC10. ensure organizational activities in line with approved guidelines and procedures.	2	3	-	-
	PC11. undertake and advise healthy lifestyle for self and others.	1	3	-	-
	PC12. follow environment management system related procedures.	1	3	-	-
	PC13. ensure safe handling and disposal of waste and debris.	2	4	-	-
	PC14. minimize health and safety risks to self and others due to own actions.	1	4	-	-
	PC15. monitor the workplace and work processes for potential risks and threats to self and others.	1	4	-	-

	PC16. carry out periodic check to keep work area free from hazards and obstructions.	1	4	-	-
	PC17. ensure participation of self and others in mock drills/ evacuation procedures organized at the workplace.	1	4	-	-
	PC18. organize first aid, firefighting and emergency training sessions for others.	1	3	-	-
	PC19. instruct and guide others to take action in the event of fire, emergencies or accidents.	1	3	-	-
NOS Total		30	70	-	-
DGT/VSQ/N0102, V.1.0: Employability Skills	<i>Introduction to Employability Skills</i>	1	1	-	-
	PC1. understand the significance of employability skills in meeting the current job market requirement and future of work	-	-	-	-
	PC2. identify and explore learning and employability relevant portals	-	-	-	-
	PC3. research about the different industries, job market trends, latest skills required and the available opportunities	-	-	-	-
	<i>Constitutional values – Citizenship</i>	1	1	-	-
	PC4. recognize the significance of constitutional values, including civic rights and duties, citizenship, responsibility towards society etc. and personal values and ethics such as honesty, integrity, caring and respecting others, etc.	-	-	-	-
	PC5. follow environmentally sustainable practices	-	-	-	-
	<i>Becoming a Professional in the 21st Century</i>	1	3	-	-
	PC6. recognize the significance of 21st Century Skills for employment	-	-	-	-
	PC7. practice the 21st Century Skills such as Self-Awareness, Behaviour Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn for continuous learning etc. in personal and professional life	-	-	-	-
	PC8. adopt a continuous learning mindset for personal and professional development	-	-	-	-

<i>Basic English Skills</i>	3	4	-	-
PC9. use basic English for everyday conversation in different contexts, in person and over the telephone	-	-	-	-
PC10. read and understand routine information, notes, instructions, mails, letters etc. written in English	-	-	-	-
PC11. write short messages, notes, letters, e-mails etc. in English	-	-	-	-
<i>Career Development & Goal Setting</i>	1	2	-	-
PC12. identify career goals based on the skills, interests, knowledge, and personal attributes	-	-	-	-
PC13. prepare a career development plan with short- and long-term goals	-	-	-	-
<i>Communication Skills</i>	2	2	-	-
PC14. follow verbal and non-verbal communication etiquette while communicating in professional and public settings	-	-	-	-
PC15. use active listening techniques for effective communication	-	-	-	-
PC16. communicate in writing using appropriate style and format based on formal or informal requirements	-	-	-	-
PC17. work collaboratively with others in a team	-	-	-	-
<i>Diversity & Inclusion</i>	1	1	-	-
PC18. communicate and behave appropriately with all genders and PwD	-	-	-	-
PC19. escalate any issues related to sexual harassment at workplace according to POSH Act	-	-	-	-
<i>Financial and Legal Literacy</i>	2	3	-	-
PC20. identify and select reliable institutions for various financial products and services such as bank account, debit and credit cards, loans, insurance etc.	-	-	-	-
PC21. carry out offline and online financial transactions, safely and securely, using various methods and check the entries in the passbook	-	-	-	-
PC22. identify common components of salary and compute income, expenses, taxes, investments etc	-	-	-	-
PC23. identify relevant rights and laws and use legal aids to fight against legal exploitation	-	-	-	-

<i>Essential Digital Skills</i>	3	5	-	-
PC24. operate digital devices and use their features and applications securely and safely	-	-	-	-
PC25. carry out basic internet operations by connecting to the internet safely and securely, using the mobile data or other available networks through Bluetooth, Wi-Fi, etc.	-	-	-	-
PC26. display responsible online behaviour while using various social media platforms	-	-	-	-
PC27. create a personal email account, send and process received messages as per requirement	-	-	-	-
PC28. carry out basic procedures in documents, spreadsheets and presentations using respective and appropriate applications	-	-	-	-
PC29. utilize virtual collaboration tools to work effectively	-	-	-	-
<i>Entrepreneurship</i>	2	3	-	-
PC30. identify different types of Entrepreneurship and Enterprises and assess opportunities for potential business through research	-	-	-	-
PC31. develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion	-	-	-	-
PC32. identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity	-	-	-	-
<i>Customer Service</i>	1	2	-	-
PC33. identify different types of customers and ways to communicate with them	-	-	-	-
PC34. identify and respond to customer requests and needs in a professional manner	-	-	-	-
PC35. use appropriate tools to collect customer feedback	-	-	-	-
PC36. follow appropriate hygiene and grooming standards	-	-	-	-
<i>Getting ready for apprenticeship & Jobs</i>	2	3	-	-
PC37. create a professional Curriculum vitae (Résumé)	-	-	-	-
PC38. search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively	-	-	-	-
PC39. apply to identified job openings using offline /online methods	-	-	-	-

	as per requirement				
	PC40. answer questions politely, with clarity and confidence, during recruitment and selection	-	-	-	-
	PC41. identify apprenticeship opportunities and register for it as per guidelines and requirements	-	-	-	-
	NOS Total	20	30	-	-
	Grand Total	190	270	-	90

Annexure: Detailed Assessment Criteria

1. Assessment System Overview:

- Batches would be assigned to Assessment Agencies as per the sectors for conducting assessment on CUTM portal or by email.
- Assessment agencies will have to give a confirmation regarding the assigned batches and share the particular Question set to Centurion University.
- Assessment agency deploys the ToA certified Assessor for conducting the assessment from the pool of verified assessor by Centurion University.
- Centurion University will monitor the assessment process and keep the records online or offline (wherever needed)

2. Procedure at Testing Centre:

- Check the Assessment location, date and time
- Maximum batch size will be of 30.
- Assessor will Check that the allotted time to the candidates to complete Theory & Practical Assessment is correct.
- Assessor will ensure all the equipment's and required materials are available at the testing center.

3. Assessment Quality Assurance:

- Question bank is created by the Subject Matter Experts (SME) of Assessment Agencies verified by Centurion University.
- Questions are mapped to the specified assessment criteria
- Assessor must be ToA certified & trainer must be ToT Certified
- Surprise visit would be done time to time.

4. Assessment Evidence collection:

- Geo tagged photographs of assessment sessions would be captured by the Assessor.
- Video call verification will be done by Centurion University during assessment and keep the recorded videos.

5. Document storing:

- Hard copies will be stored in the respective files.
- Some of documents will kept in both soft copies and hardcopies.
- All the assessment related data will be kept in CUTM portal.

On the Job:

1. Each module will be assessed separately.
2. The candidate must score 70% in each module to successfully complete the OJT.
3. Acquiring job-specific technical skills related to the industry or field.
4. Learning how to operate and maintain relevant tools, equipment, and machinery.
5. Gaining proficiency in tasks and procedures directly related to the job role.
6. Developing problem-solving skills by addressing real-time challenges encountered on the job.
7. Learning to troubleshoot issues and find practical solutions.
8. Enhancing verbal and written communication skills in a professional context.
9. Learning how to communicate effectively with colleagues, superiors, and clients.
10. Learning to prioritize tasks and manage time efficiently to meet deadlines.
11. Understanding the importance of time management in a work setting.
12. Developing skills related to customer interaction, satisfaction, and conflict resolution.
13. Understanding how to address customer needs and provide excellent service.
14. Understand the working of various tools and equipment.

Annexure: Acronym and Glossary

Acronym	
Acronym	Description
AA	Assessment Agency
AB	Awarding Body
ISCO	International Standard Classification of Occupations
NCO	National Classification of Occupations
NCrF	National Credit Framework
NOS	National Occupational Standard(s)
NQR	National Qualification Register
NSQF	National Skills Qualifications Framework
OJT	On the Job Training

Glossary

Term	Description
National Occupational Standards (NOS)	NOS define the measurable performance outcomes required from an individual engaged in a particular task. They list down what an individual performing that task should know and also do.
Qualification	A formal outcome of an assessment and validation process which is obtained when a competent body determines that an individual has achieved learning outcomes to given standards
Qualification File	A Qualification File is a template designed to capture necessary information of a Qualification from the perspective of NSQF compliance. The Qualification File will be normally submitted by the awarding body for the qualification.
Sector	A grouping of professional activities on the basis of their main economic function, product, service or technology.
Long Term Training	Long-term skilling means any vocational training program undertaken for a year and above. https://ncvet.gov.in/sites/default/files/NCVET.pdf