



National Technical and Vocational Qualifications Framework

NTVQF

Course Accreditation Documents for National Skill Certificate in Web Design

(Information & Communication Technology (ICT) Sector)

NTVQF Level - 3

January 2020

এনএসডিএ এর কার্যনির্বাহী কমিটির ২২।০২।২১ ভারিখে অনুষ্ঠিত (ই ম) সভায় অনুমোদিত

National Skills Development Authority
Prime Minister's Office, Bangladesh

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Course Accreditation Document

This Course Accreditation Document is prepared to standardize the format for the accreditation / re-accreditation of courses under the National Quality Assurance System (NQAS) and for the registration of the accredited / re-accredited qualifications under the National Technical and Vocational Qualifications Framework (NTVQF).

The two parts of this document as follows:

- · Part A provides information on the Qualification Standards.
- Part B includes details of the pro-forma / templates for accreditation / re-accreditation. It guides the Registered Training Organization (RTO) to accomplish the required documents for registration of the qualification.

Part A.

Qualification Standards: National Skill Certificate in Web Design, NTVQF Level- III.

Introduction

The Qualification Standards (QS) is a nationally-recognised specification to achieve a qualification. It details the level of training, experience and practice required to achieve the standard of competency. It provides the basis for the development of strategies for competency-based training and assessment by a registered training organization.

The Qualification Standards aims to:

- a. Provide guidelines to National Skills Development Authority (NSDA) to accredited Registered Training Organization (RTO)
- b. Serve as standard for the training providers to delivery competency-based training
- c. Arrange basis of assessment and certification for skilled workers

II. Contents of the Standard

Section 1: Qualification Title

Section 2: Course Structure

Section 3: Purpose of the Qualification

Section 4: Training Standards

4.1 Training Delivery modes

4.2 Trainee's entry requirements

4.3 Required training supplies, materials, tools and equipment

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- 4.4 Training Facilities
- 4.5 Trainer's Qualification

Section 5: Assessment and Certification Standards

- 5.1 Assessor's Qualification
- 5.2 Assessment and Certification Arrangements

Section 1: Qualification Title

National Skill Certificate in Web Design, NTVQF Level - III.

Section 2: Course Structure

The Course Structure is a prescribe set of units of competency needed to attain a National Skill Certificate in **Web Design**, **NTVQF Level - III**.

SL	Unit Code and Title UoC Level							
The	Generic Compete	encies		36				
1	GU002L2V1	Apply Occupational Safety and Health (OSH) Practices at Workplace	2	15				
2	GU005L3V1 Carry out workplace interaction in English 3							
The	Sector Specific C	ompetencies		64				
1	SUICT001L2V1	Operate a Personal Computer and Use Application programs						
2	SUICT002L2V1	Operate office application software 2						
3	SUICT003L2V1	Access Information value Internet and						
4	SUICT004L2V1 Comply to Ethical Standards in IT Workplace 3							
The	Occupation Spec	ific Competencies		260				
1	OUWD001L3V1	Setup Web design environment	3	15				
2	OUWD002L3V1	Work with HTML	3	40				
3	OUWD003L3V1	Work with CSS	3	20				
4	OUWD004L3V1	Perform Design to HTML	3	40				
5	OUWD005L3V1	Work With basic JavaScript & jQuery	3	40				
6	OUWD006L3V1	Work with Front-end Framework	3	60				
7	OUWD007L3V1	Work with CMS	3	40				
		Total Nominal Learning Hours		360				



Section 3: Purpose of the Qualification

The qualification is established upon industry requirements. It is designed for:

- a. Individuals who want to be trained in National Skill Certificate in Web Design,
- b. Working and experienced individuals who want to be certified with National Skill
 Certificate in Web Design, NTVQF Level III.

Candidates who will meet the requirements of this qualification maybe employed as an **Executive.**

Section 4: Training Standards

4.1 Training Delivery Modes

The competency-based TVET system recognizes various types of delivery modes both on and off-the job, as the learning is driven by the competency standards specified by the industry. Training modalities may be adopted depending on the needs of the qualification National Skill Certificate in **Web Design**, **NTVQF Level - III**. Some suggested modalities may include but not limited to the following:

4.1.1 Standard training delivery.

This would comprise both, on and off-the job components. The **Web Design**, **NTVQF Level- III** has a **total of 360 minimum** hours for the off-the job and on-the job component of the delivery. The nominal hour is a suggested duration to deliver the training.

4.1.2 Modular / self-paced learning / Multiple Entry / Multiple Exit

This is a competency-based training modality where the trainee is allowed to progress at his own pace. The trainee can be certified and exit from the program at any time and re-enter to the qualification once he decided to finish the program.

4.2 Trainees entry requirements:

The entry requirements for the National Skill Certificate in **Web Design**, **NTVQF Level - III are**:

Bachelor Degree or evidence of equivalent achievement

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4.3 Required training supplies, materials, tools and equipment

Recommended List of tools, equipment and materials for the training of a maximum of 20 trainees for **Web Design**, **NTVQF Level - III**.

List of Machinery / Equipment and Spares

SL	Name	Specification (for guidance only, some may vary depending on the workshop layout)	Unit	Quantity
1.	Desktop/ Laptops (latest configuration)		Unit	25
2.	Multimedia projector with screen/ Smart board/ Smart TV		Unit	01
3.	Digital video camera		Unit	01
4.	Scanner		Unit	01
5.	Generator / IPS		Unit	01
6.	First Aid Box		Set	02
7.	Printer		Unit	01

List of Consumable:

SL	Name	Specification (for guidance only, some may vary depending on the workshop layout)	Unit	Quantity
	Network Cable		Coil	01
	Plain Paper		Ream	10
	Printer Tonner/Ink		Nos	05
	RJ45 Connector		Nos	100
	Whiteboard Marker		Nos	10

List of Tools

SL	Name	Specification (For guidance only, some may vary depending on the workstation layout)	Unit	Quantity
1.	Fire Extinguisher		Set	02
2.	Fire Blanket		Unit	05
3.	Computer Operating System (Windows)		Unit	25
4.	WordPress		Unit	25
5.	Photoshop		Unit	25
6.	Office application		Unit	25
7.	Computer Service Tool Kit		set	02
8.	Crimping Tools		Unit	02
9.	Network Continuity Tester		Unit	01

List of Furniture

SL	Name	Specification (for guidance only, some may vary depending on the workshop layout)	Unit	Quantity
1	Full Secretariat Table		Nos.	01
2	Half Secretariat Table		Nos.	05
3	Arm Cushion Chair	As per requirement	Nos.	06
4	Armless Chair	As per requirement	Nos.	12
6	Bookshelf	As per requirement	Nos.	02
7	File Cabinet	As per requirement	Nos.	02
8	Steel Almirah	180 cm x 120 cm	Nos.	02
9	White Board	240 cm X 120 cm made of particle board with white Formica covered and side covered by aluminum channel		02
10	Lecture Table		Nos.	01
11	Lecture Desk		Nos.	01
15	Display Board	240 cm x 120 cm made of particle wood and fabric cover	Nos.	01
16	AC Split type	As per room size	Unit	01-02
17	Computer Table & Chair	Standard	Set	20



Materials

Quantity	Description				
	Learning Materials				
20	CBLM				
01	Session Plan				
20	Trainee Record Book				
20	Competency Skills Log Book				
01	Progress Chart				
	REFERENCES				
20	Related Books				
20	Manuals				
20	Charts				
20	CD's				
20	Pictures				
20	Magazines				

Other requirements:

- 1. Internet connectivity
- 2. Operating system
- 3. Office application software
- 4. Adobe Photoshop
- 5. Adobe Illustrator
- 6. Adobe InDesign
- 7. Adobe XD
- 8. Macromedia Dreamweaver software
- 9. Sublime text software
- 10. Continuous power supply source

4.4 Training Facilities (Training facilities for 20 trainees)

For first Occupation 1,200 sft. and for additional Occupation 1,000 sft. (one office room is required for several occupation)

Space Requirement	Size in Sq. Feet.	Quantity
Computer Lab	600 sft.	01
Classroom	400 sft.	01
Office room	200 sft.	01
Toilet (Male / Female)		02



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4.5 Trainers Qualification

National Skill Certificate in Web Design, NTVQF Level - III

- Must be a holder of NSC in Web Design, NTVQF Level III
- Must be CBT&A Level 4 certified
- Must be physically and mentally fit

Section 5: Assessment and Certification Standards

5.1 Assessor's Qualification

Certified assessor duly recognized by NSDA shall conduct the National Assessment for this National Skill Certificate in **Graphic Design**.

5.2 Assessment and Certification Arrangements

- a. To attain the Qualification of National Skill Certificate in Web Design, NTVQF Level - III the candidate must demonstrate competence in all the units required. Successful candidates shall be awarded a National Skill Certificate issued by NSDA.
- b. The qualification of Web Design, NTVQF Level III, may be attained through:
 - Accumulation of Statement of Achievement (SOA)
 - Demonstration of Competency through project-type assessment covering all the required units of competency.
- c. Assessment will be conducted in a simulated workplace environment or training institute using equipment, machinery and tools as specified in the assessment tools.
- d. The qualified Assessor (or Assessor Panel) will be responsible for making the final judgment of Competent or Not Yet Competent.
- e. There will be open entry to assessment leading to certification through **Recognition** of Prior Learning (RPL).

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Part B.

Part B of the Course Accreditation Document (CAD) is a set of templates designed to assist the Registered Training Organization (RTO) in the development of courses under the National Technical and Vocational Qualifications Framework (NTVQF). It is an integral part of the application documents that will be submitted to National Skills Development Authority (NSDA) for accreditation and re-accreditation of programs following National Skills Quality Assurance System (NQAS).

The accreditation document is divided into three sections:

- Part 1 provides information on the Registered Training Organization, Standard Setting Body, the Quality Assurance Body, and course classification and accreditation information.
- Part 2 contains details of rules and requirements under which the course may be structured, delivered and assessed.
- Part 3 includes the units of competency or modules that are contained in the course.

The NSDA approved Competency Standards (CS) and Qualification Standards (QS) will serve as reference to complete the templates.

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National Technical and Vocational Qualifications Framework

NTVQF

Course Accreditation Documents
for
National Skill Certificate in

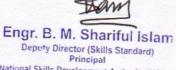
Web Design

(Information & Communication Technology (ICT) Sector)

NTVQF Level - III

January 2020

National Skills Development Authority Prime Minister's Office, Bangladesh



Principal
National Skills Development Authority (NSDA)
Prime Minister's Office, Dhaka

Application for NTVQF Course / Program Accreditation

Date:		
Sir,		
The undersigned (Name of the Head of the Registered	Training	Organization)
(Designation / Position) of the (Name of The Registered	Training	Organization)
located at (Address), hereby apply for the accreditation of the	e course /	program unde
the laws of the Government of the People's Republic of Bangla	adesh.	

To support this application, the following duly certified / authenticated documents are submitted:

Hours

- Administrative Requirements
 - Fire Safety Inspection Certificate
- Curricular Requirements

Course / Program Duration

- Competency Standards (CS) (indicating the job titles being addressed and the competencies being developed)
- Course and subject description
- List of supplies, tools and equipment per program
- List of instructional materials (books, videotapes, internet access, and other library references)
- List of official and their qualifications
- List of faculty for the program (WITH CBT&A 4 Certificate and National Skill Certificate)
- List of non-teaching personnel and their qualification
- I, (Name of the Head of the Registered Training Organization) as (Position, Designation), promise to maintain the standards required for the course/ programs and to follow faithfully all laws, rules and regulations, and their requirements governing the

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operations of the National Skills Development Authority of any plan of action regarding the closure of phasing out the course/ programs or any changes in the prescribed requirements. I acknowledge that the violation of the laws, of the rules and regulations and the requirements of the National Skills Development Authority shall be deemed sufficient cause for the revocation of the certificate of registration.

The institution, which I present, will not conduct classes in the courses / programs applied for the above until or unless this application is approved and the National Skills Development Authority has issued the corresponding certificate.

Yours faithfully,

(Name of the Head of the Registered Training Organization)

(Designation/Position)



Application for NTVQF Course/Program Accreditation

Date:									
=									
Sir,									
The	undersigned	(Name of	the	Head	of	the	Skills	Training	Provider),
(Des	ignation/Posit	tion) of the	(Name	of The	Sk	ills T	raining	Provider)	, located at
(Add	ress), hereby	apply for the	accre	ditation	of th	ne cou	rse/prog	gram under	the laws of
the G	Sovernment of	the People's	Repub	olic of Ba	ingla	desh.			
Cour	se/Program D	ouration		H	ours				

To support this application, the following duly certified/ authenticated documents are submitted:

Administrative Requirements

Fire Safety Inspection Certificate

Curricular Requirements

- Competency Standards (CS) (indicating the job titles being addressed and the competencies being developed)
- Course and subject description
- List of supplies, tools and equipment per program
- List of instructional materials (books, videotapes, internet access, and other library references)
- o List of official and their qualifications
- List of faculty for the program (WITH CBT&A 4 Certificate and National Skills Certificate)
- List of non-teaching personnel and their qualification
- I, (Name of the Head of the Skills Training Provider) as (Position, Designation), promise to maintain the standards required for the course/ programs and to follow faithfully all laws, rules and regulations, and their requirements governing the operations of the National Skills Development Authority of any plan of action regarding the closure

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of phasing out the course/ programs or any changes in the prescribed requirements. I acknowledge that the violation of the laws, of the rules and regulations and the requirements of the National Skills Development Authority shall be deemed sufficient cause for the revocation of the certificate of registration.

The institution, which I present, will not conduct classes in the courses / programs applied for the above until unless this application is approved and the National Skills Development Authority has issued the corresponding certificate.

Yours faithfully,

(Name of the Head of the Skills Training Provider)

(Designation/Position)

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Prime Minister's Office, Dhaka

Part 1: General Information

1. Name and details of the Skills Training Provider
Name of Training Organization:
Status of Institution (e.g., Private, Public, NGOs, Industry led etc.):
Name of Respondent:
Position of Respondent:
Postal Address:
Phone Number:
E-mail Address:
2. Purpose of Submission Accreditation Re-accreditation
3. Delivery of the Course The STP applying for this accreditation shall write the method of delivery of the qualification (On-the-job, off-the-job, Apprenticeship, etc.)
4. Quality Assurance Body National Skills Development Authority (NSDA), 423-428 Tejgaon Industrial Area, Dhaka-1208 Ph: +880 2 8891091; Fax: +880 2 8891092; Email: ecnsda@nsda.gov.bd
5. Standard Setting Body (ISC)
State the name and address of the standard setting body responsible for the industry sector (Include Street/Postal, Phone and E-mail address).

Part 2: Course Information

1. Nomenclature

1.1 Name of the Course:

State the name(s) of the course(s) included in this document. The title of the course must accurately reflect the contents and outcomes of the course including the qualification awarded on successful completion of the course. The name of the course should meet the relevant Standard for Accreditation of courses.

1.2 Nominal Duration of the Course

State the nominal duration of the course in hours. [The nominal duration of the course will indicate the number of hours of Off-the-Job training at the STP. In addition to Off-the-Job training, the course may contain On-the-Job (i.e. workplace based) training. The nominal duration of the course (Off-the-Job and On-the-Job) should be in accordance with the national guidelines.

- The length of training required for achieving a given level of the qualification could vary from
 occupation to occupation. For example, welding competencies may take a longer time to develop than
 machine operations competencies. The duration proposed for each qualification, though nominal, must
 be based on a clear and sound logic.
- The recommended Off-the-job and on-the-job training for the initial level of the course (i.e. NTVQF Level 1) is a minimum of 360 learning hours. A higher level NTVQF course must have at least 270 hours of learning for each higher NTVQF level with prerequisite of previous level of the course. For example, a Level 2 NTVQF course will have (360 + 270 =) 630 hours of learning and a Level 3 NTVQF course will have (360 + 270 + 270 =) 900 learning hours.
- The recommended work experience/On-the-Job training is a maximum of 20% of course hours for initial level of the course and 25% for each higher NTVQF level course.
- If the length of the Off Job and/or On Job training is more than the recommended minimum, there must be adequate justification. Very strong justification is required if the nominal duration of the course is more than 20% of the recommended minimum. However, the nominal duration of the course should not be more than 25% of the recommended minimum.

2. Course Outcomes

Refer to the relevant Standard for Accreditation of courses. The course outcomes must reflect the industry/enterprise/ community needs, the level and the nature of the course.



3. Course Rules and Requirements

Refer to the relevant Standard for Accreditation of courses (CS and QS).

3.1 Course Structure (may adapt the structure presented in the QS)

Course structure may be presented in table format or as a combination of text and table, including guidelines on sequencing (pre-requisite, co-requisites), clustering and nominal hours.

- Outline the structure of the course and rules for completion. Course structure will reflect the intended skill and knowledge outcomes of the course and may be:
 - o generic
 - o industry sector specific
 - o occupation specific and/or (specialized) job role specific compulsory

Course Structure

National Skills Certificate in		
(NTVQF Level		

Detailed Information on the UoCs to be successfully completed for the award of this national certificate should be identified.

3.1.1Requirements for Award of the Qualification

To be eligible for the award, the student should <u>successfully complete the Units of Competency as required in the above table</u> through:

3.1.2Exit Qualification

Any exit point from the course that provides for vocational or educational outcome should be identified.

3.1.3 Statement of Achievement

Indicate that only a Statement of Achievement will be issued for any unit of competency/module completed if the full qualification is not completed.

3.1.4 Reporting, Quality Assurance and Certification

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3.2 Entry Requirements and Selection Criteria

Refer to the Qualification Standards

- 3.2.1 Entry Requirements (Refer to the relevant Qualification Standards)
- 3.2.2 Selection Criteria (refer to QS)

4. Assessment Rules and Requirements

- 4.1Assessment Strategy
- 4.2 Recognition of Prior Learning (RPL)
- 10.3 Workplace Assessment

5. Resources Rules and Requirements

(Accomplish the forms provided in the appendices)

Refer to the relevant Qualification Standards for the templates provided to accomplish this information.

5.1 Physical Resources

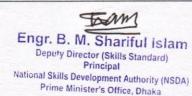
Provide details of specialized facilities, tools and equipment essential for the delivery of the course.

- List of number of classrooms, laboratories, and workshops required for a class of 30 students.
- List of number of tools and equipment required for each classroom, laboratory, and workshop for a class of 30 students.
- Summary of the consumables and materials required for practice (e.g. Food, Chemical, Computer spares and parts) for a class of 30 students.

5.2 Human Resources

State the minimum recommended qualifications and experience of trainers and support staff. Include training and experience relating to both skills competency/qualifications and competency-based training and assessment competency/qualifications and industry experience. Any recommended requirements must be justifiable and also meet the NSDA standards for Registration of Training establishments

(Colleges/Institutes/Training Centers) and accreditation for delivering nationally



registered courses.

5.2.1 Industry Experience (Attach relevant portfolio)

Trainers and assessors must have had at least 2 years of relevant industry experience and should keep abreast of the current technology through ongoing exposure to relevant practices in the industry

Trainers and assessors should also have current knowledge and awareness of access and equity issues relevant to students needs arising from a variety of factors including socio-economic status, disability status, ethnic background, race, family differences, sexual preferences and gender specific differences.

5.2.2 Student Trainer Ratio:

02 Trainer:30 trainees

5.2.3Support Staff:

Include technical and administrative support staff.

5.3 Learning Resources

Identify a list of teaching and learning resources required for offering the course.

- The list must include the text books, workbooks, in-house resource packs/customized trainee guidebooks, relevant national/industry standards, laws and regulations, manufacturer's instruction manuals, and audio, video and digital media (if any) included which are suitable for the students.
- In addition, additional reference books, audio, video and digital media and URLs of relevant websites, which could be used by teachers and gifted students must be included.
- The list must cover each Module/Unit of Competency (Subject) included in the course and emphasis the practical components of the training.

6. Ongoing Monitoring, Evaluation and Review

Refer to the relevant Qualification Standard for accreditation of courses

- Describe the monitoring and evaluation processes, which will be undertaken by the Skills Training Providers (College/Institute/Training Centre) offering the course and the Quality Assurance Body:
 - the relevance and current nature of the course (e.g. The mechanism for ensuring relevance and current nature of the course could include an active industry advisory committee and other ongoing networking and engagement with industry through



work placement, industry visits, guest lectures, information on national skills shortage, international skills demand, global trends, current technology)

- the quality of delivery of the course (e.g. students' feedback, staff feedback)
- the quality of assessments leading to the award of the qualification (e.g. internal and/or external validation of assessment before and after assessment)
- the quality of graduates (e.g. employment rate, employer satisfaction level)



Part 3: Details of the Course

CURRICULUM DESIGN

Course Title:	
NTVQF Level:	
Nominal Duration:	Hours
Course Description:	This course is designed to enhance the knowledge, skills, positive attitude and work values of the learner in accordance with the prevailing standards in National Skills Development Authority. This encompasses competencies required of a (Occupation/Qualification) to perform the tasks in the areas of (Describe the duties of the occupation/qualification). To obtain this, all units prescribed for this qualification must be achieved:

GENERIC COMPETENCY (____ HOURS)

Unit of Competency	Learning Outcomes	Methodology	Assessment Approach
1.	1.1	•	•
2.	2.1	•	

SECTOR SPECIFIC COMPETENCY(____ HOURS)

Unit of Competency	Learning Outcomes	Methodology	Assessment Approach
1.	1.1	•	•
2.	2.1	•	•

OCCUPATION SPECIFIC COMPETENCY(____ HOURS)

Unit of Competency	Learning Outcomes	Methodology	Assessment Approach
1.	1.1	•	•
2.	2.1	•	•

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Appendices

(Appendix 1-9)



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Appendix 1 - Training Design

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_ ho	urs																		
									_										
Γ					[Dur	atio	on	of	Tra	aini	ing							
1	Mont	h 1		N	ont	h 2	2	N	/lon	th	3	N	/lon	th	4	I	Mor	nth	5
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
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Appendix 2 - List of Equipment

Name of Equipme nt (1)		Acquisition Year (3)	Quantity on Site (4)	Quantity Required (5)	Difference (6)	Percent Compliance (7)	Inspectors Remarks (indicate standard ratios) (8)
	ed by:f the Depart					spected by	:
ate:	Title Depart	Date:	ad of the f		ate:	NSDA	
ote: Col	umns 1-4 to b			Columns 5-8			
		Α					
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rograr ame o	n: f Institution	Acquisition	ppendix Quantity on	3 - List o	f Tools	Percent Compliance	Inspectors Remarks (indicat standard ratios)
Programe of Tools(1)	n: f Institution	Acquisition Year(3)	Quantity on Site (4)	Quantity Required (5)	Difference (6)	Percent Compliance (7)	Inspectors Remarks (indicat standard ratios) (8)

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Appendix 4 - List of Consumables

Name of Fools(1)	Specification (2)	Acquisition Year(3)	Quantity on Site (4)	Quantity Required (5)	Difference (6)	Percent Compliance (7)	Inspectors Remai (indicate standar ratios) (8)
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		artment) (He					
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		Appendix	5 - List	t of Instru			
 rograr	n:		5 - List	t of Instru	 ictional		
rograr	n: f Institut	Appendix	5 - List	t of Instru	ictional	 Materials	

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Appendix 6 - List of Instruction's Physical Facilities

Name	Description	Quantity	Inspector's Remark
ubmitted by:	Attested by	: r	nspected by:
ate:	rtment) (Head of the Ins	Date:	TNSDA
Appe	ndix 7 - List of Off-		cal Facilities
rogram:	ndix 7 - List of Off-	Campus Physic	cal Facilities
rogram:	n:	Campus Physic	cal Facilities
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rogram:	n:	Campus Physic	
rogram:	n: Description Attested by	Quantity	Inspector's Remarks
rogram:lame of Institutio Name ubmitted by:	n:	Quantity	Inspector's Remark

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Appendix 8 - List of Officials

	or institu	tion:	1		_			
Name	Position	Nature of Appointment	Educationa Attainment	Related to	Fynerien		ompetend	Remark
Submitt	ed by:		Attested by	y:	_ Insp	ected	by:	
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					Industry Experience		ertificates	Rem arks
lame o	of Institu	tion:	Educational	Experiences Related to	Industry	Ce	ertificates	arks
Name	Position ed by:	Nature of Appointments	Educational Attainment Attested by	Experiences Related to Position	Industry Experience	NSC NSC	TQ	AQ
Name	Position ed by:	Nature of Appointments	Educational Attainment Attested by	Experiences Related to Position	Industry Experience Insp	NSC ected	TQ by:	AQ
Name Submitted	Position ed by: of the Dep	Nature of Appointments Dartment) (He	Educational Attainment Attested by ad of the Institute	Experiences Related to Position	Industry Experience Insp	ce nsc ected SDA এনএ	by:	AQ

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