



Minutes of Meeting Under NAVTTC Regarding Qualification Validation Committee Meeting for the Validation of Curriculum for “Drone Application Technology” for DAE SINO-PAK Dual Diploma Program

Agenda Items: -

Ser.#	Item(s)
1.	Validation and approval of Subject Curriculum furnished by NUTECH as finalized through joint deliberative meetings of expert's ex NUTECH with peer expert faculty members from Brother Chinese Wuhan Vocational University: - a) Details of Participants from NAVTTC, TEVTA-Punjab, KPTEVTA PBTE, KPBTE, NUTECH and relevant Industry are listed below. b) Understanding & Brief Presentation of the CCTE Model joint education dual diploma split education program as well as the detailed overview of collaboration / curriculum development by the meeting convener c) Formal presentation of subject-wise course contents of 3-Years curriculum. d) Discussion and Q&A session, along with minor refinements e) Consent and grant of approval by worthy validation / Qualification Review committee members

Date & Time: 16-18 March 2026 (0900 AM to 0230 PM)

**Venue: National University of Technology, (NUTECH) Karnal Sher Khan (Shaheed)
Road 1-12 Islamabad.**

Participants: -

1. Mr. Shahzad Ahmed Director, SS&C NAVTTC
2. Mr. Muhammad Ishaq Dy. Director, SS&C NAVTTC



3. Mr. Hazrat Hussain, Chairman KPKBTE (Online)
4. Mr. Tariq Mahboob, PBTE (Online)
5. Mr. Muhammad Zeeshan, AUCE
6. Mr. Muhammad Usman Awan, NLC
7. Mr. Muhammad Asher Ahsan Chief Master Trainer & Trade Expert NUTECH
8. Mr. Hamza Shakeel Trade Expert NUTECH
9. Ms. Sameen Naz Trade Expert NUTECH
10. Engr. Muhammad Aleem, DACUM Expert NUTECH

The Meeting started with the recitation of the Holy Quran and welcoming remarks by the Director NBTE (NUTECH), being the host. All the participants introduced themselves to each other. The representatives from NAVTTC thanked the participants from industry and academia for their extended support and for visiting the venue for a just and noble TVET educational-related cause.

The meeting convener briefed the house regarding the key features of the CCTE Model Dual Diploma Split Education Program, phases of collaboration with Chinese counterpart institutes as well as the detailed procedure of curriculum development. The benefits of this program for Pakistan students in the context of international exposure, employment opportunities within Pakistan and abroad, practical training on Drone Application Technology equipment at Chinese brother college and the importance of the Chinese language (which is a part of the curriculum) were also highlighted.

After the above, detailed scrutiny and deliberations were initiated by the worthy Convener/facilitator of validation. Main subjects / Skill standards from **first to third year** were discussed w.r.t contents & sub-contents wise by the field-related validation expert of Industry & Academia.

Following **technical recommendations and suggestions** were made by the committee, which have been incorporated in the relevant sections while all other subjects/skill standards have been found correct as per academic and industry requirements and were **approved by the committee**, along with a compliant **Lab Equipment** and machinery list (for 1st and 2nd Years study) and **Teachers/Instructor Qualification**: -

Agenda:

1. Review compulsory subjects
2. Review / Addition of core subjects and their content regarding Drone application technology
3. Discussion on Scope, Regulatory Compliance, Financial Feasibility, and Alternative Implementation Plan for Drone Application Technology Qualification



4. Evaluation of the benefits and employability scope of the curriculum
5. Integration of recommendations/observations & suggestion

Minutes of Meeting:

1. Review compulsory subjects:

The committee identified/reviewed during review of compulsory subjects that all compulsory subjects required for DAE are incorporated in first year, second year and 3rd Year scheme of study as per concern board directives.

2. Review/Addition of the core subjects and its content regarding Drone application technology:

After reviewing the whole curriculum, the committee agreed on addition of (replace 1x Subject) 1x Subject to the proposed core subjects whereas some of the content needs to be updated which has been incorporated.

2.1. During the detailed review of the proposed curriculum, the committee observed that several content headings required improvement for better clarity and alignment with standard engineering terminologies. Accordingly, some topic names were revised. **1x subject CIVIL 271 Entrepreneurship** added in place of Mgm 211 Business communication was proposed and accordingly added.

2.2. The committee also suggested improvements in the sequence of certain topics to ensure better conceptual understanding and logical progression of the subject matter.

2.3. During the review of list of lab practicals of the respective subjects, the committee observed that certain lab activities descriptions started with unsuitable words which are further rephrased with proper action keywords for clarity and action-oriented guidance.

2.4. The committee found some irrelevant, redundant, and unnecessary content which was accordingly eliminated after group discussion.

3. Discussion on Scope, Regulatory Compliance, Financial Feasibility, and Alternative Implementation Plan for Drone Application Technology Qualification:

The committee held a detailed discussion on the scope and relevance of the Drone Application Technology qualification at both national and international level. Members emphasized the growing demand for drone technology in sectors such as agriculture, surveillance, infrastructure inspection, planning, and disaster management within Pakistan as well as globally. The committee also reviewed the applicable regulatory framework, particularly the guidelines and standards issued by the International Civil Aviation Organization (ICAO) and the Pakistan Civil Aviation Authority (PCAA), to ensure that the proposed curriculum aligns with national and international aviation regulations for safe drone operations. The committee also proposed the possibility of offering this qualification independently, outside the SINO-PAK collaborative program,



and suggested there shall be an alternative scheme of studies that may be implemented locally to ensure sustainability and accessibility of the program in Pakistan.

4. Evaluation regarding Benefits and Employability Scope of the Curriculum:

The committee conducted a comprehensive evaluation of the proposed curriculum for Drone Application Technology to assess its academic relevance, practical benefits, and employability potential. It was observed that the curriculum provides a balanced combination of foundational engineering knowledge and specialized drone technology skills. The committee noted that graduates of this program will have strong employability prospects in sectors such as agriculture, surveying, media production, infrastructure inspection, disaster management. Overall, the curriculum was found beneficial in developing skilled manpower to support the growing drone technology sector.

5. Integration of Recommendations/Observations & suggestion:

All suggestions, amendments/corrections regarding academic Codal / Cr. Hr formalities and other related issues have been addressed, incorporated and shared with all respective TEVTA and BTE through active communication before and during "Validation workshop for Curriculum approval"

Ser	Name	Designation/Organization	Signature
1.	Hazrat Hussain	Chairman, KPKBTE	
2.	Tariq Mehboob	PBTE, Lhr	
3.	Mr. Muhammad Zeeshan	AUC/MI	
4.	Mr. Muhammad Usman Awan	HoD, IoT ATIN, NLC	
5.	Mr. Muhammad Asher Ahsan	CMT/Trade expert NUTECH	
6.	Hamza Shakeel	Trade Expert NUTECH	
7.	Ms. Sameen Naz	Trade Expert NUTECH	
8.	Muhammad Ishaq	Dep Dir, NAVTTC Hq	
9.	Muhammad Shahzad	Dir, NAVTTC Hq	
10.	Engr. Muhammad Aleem	AD/DACUM, NBTPE	