

Introduction of Technical and Vocational Education in Afghanistan

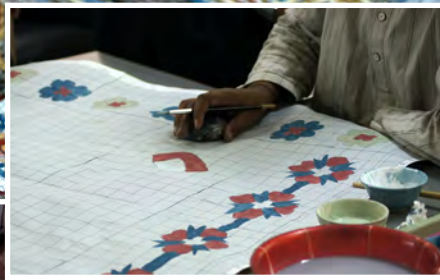
Introduction

The Vision:

The vision is to train the professional and vocational cadres in technical and vocational sectors to participate in reconstruction, development, self-sufficiency, employment and development of Afghanistan.

Current status:

- 210 institute (130 High Schools, 80 Institutes),
- 74,000 students,
- 2,700 professors and teachers,
- 9 education departments,
- 43 professional and technical fields.



Status in the past few years:

Number of schools for students and teachers for 1381 to 1391
(2001-2012)

Deputy Department of Technical and Vocational Education

NU.	The school year	Location	The number of schools		The number of teachers	The number of students
			High school	Institute		
1	1380 2001	Capital	11	6	310	472
		Provincial	15	6	160	680
		Total	26	12	470	1152
2	1381 2002	Capital	11	6	321	617
		Provincial	18	6	160	737
		Total	29	12	481	1354
3	1382 2003	Capital	11	8	330	1522
		Provincial	19	6	168	930
		Total	30	14	498	2452
4	1383 2004	Capital	11	8	394	3104
		Provincial	20	8	193	1110
		Total	31	16	587	4214
5	2005 1384	Capital	11	8	340	5272
		Provincial	20	8	220	3682
		Total	31	16	560	8954
6	1385 2006	Capital	11	8	381	6183
		Provincial	20	8	280	4712
		Total	31	16	661	10895
7	1386 2007	Capital	11	8	643	6995
		Provincial	21	11	352	3096
		Total	32	19	995	10091
8	1387 2008	Capital	6	13	490	9839
		Provincial	28	12	412	4426
		Total	34	25	902	14265
9	1388 2009	Capital	7	13	581	12504
		Provincial	32	13	566	8462
		Total	39	26	1147	20966
10	1389 2010	Capital	6	15	622	12832
		Provincial	59	22	640	13145
		Total	65	37	1262	25977
11	1390 2011	Capital	6	18	699	16885
		Provincial	88	30	752	23747
		Total	94	48	1451	40632
12	1391 2012	Capital	5	22	943	21071
		Provincial	125	58	1679	44523
		Total	130	80	2622	70094

This year Status:

Status in 2014 (according to the three-year strategic plan)
300 institutions (230 schools, 70 Institutes), 150,000 students, 3,000 teachers, 7 education department, 53 professional and technical fields.

Three years, five years and ten years strategic plan

The total number of technical and vocational education institutions will be 500 units (including 100 Institutes and 400 high schools), number of students would be 400 thousand, and the number of teachers will be 8,000. There would be 7 Education Departments, 70 professional and technical courses, the same completed curriculum course in 70 fields and a National Research Center will be existed.

List of Projects for the technical and professional education
(Which needs external financing and the Afghan government cannot finance from its own resources)
In terms of long-term and mid-term plan from 2012 to 2020

- The Multidisciplinary Institute of Mining in Lugar province, Mhammad Agha \$ 3.2 Million
- The Multidisciplinary Institute of Mining and Construction in Badam Bagh in Kabul \$ 3.2 Million
- Central girls hostels for 1,000 girls \$ 1.2 million
- Vocational teacher training program in Kabul and Mazar provinces \$ 3 million
- Establishment of a professional Institute for German and French languages \$ 1 Million
- Agricultural Vocational Institute of Heart zone \$ 4.2 million
- Agricultural Vocational Institute of North zone \$ 4.5 million
- Agricultural Vocational Institute of Laghman Province \$ 2 million
- The project provided technical and vocational schools in Afghanistan, \$ 10-15 million
- National Research Center for Technical and Vocational Education, \$ 3 million
- The Science and Technology Town in Afghanistan, \$ 30-40 million
- Midwife training programs and health education (professional training services for women) \$ 39 Million

The estimated project cost and estimated time for the implementation

	The project name and location	Field	The amount of expenses in USD	Completion and implementation
1	The Multidisciplinary Institute of Mining in Lugar province, Mohammad Agha	Mining	3.2	2013-2012
2	The Multidisciplinary Institute of Mining and Construction in Badam Bagh in Kabul	Mining	3.2	2014-2012
3	Central girls hostels for 1,000 girls	Girls hostel	1.2	2012
4	Vocational teacher training program in Kabul and Mazar provinces	Teacher training	2 or 3	2013-2012
5	Establishment of a Vocational Institute for German and French languages	Language	1	2014-2012
6	Agricultural Vocational Institute of Heart zone	Agriculture	4.2	2014-2013
7	Agricultural Vocational Institute of North zone	Agriculture	4.5	2013-2012
8	Agricultural Professional Institute of Laghman Province	Agriculture	2	2014-2013
9	The project provided technical and vocational schools in Afghanistan	Equipment	15-10	2013-2012
10	National Research Center for technical and vocational education	Research center	3	2012
11	The Science and Technology Town in Afghanistan	Multidisciplinary	125	2018-2013
12	Midwife training programs and health education (professional training services for women)	Healthcare training	39	2018-2013
	Total of the expenses		204.4	

DM TVET proposed priorities for 1391/92

DM TVET current status

- 210 schools & institutes (80 Institutes 130 schools)
- Two Year Educational Period (Grade 13-14)
- Three Year Educational Period (Grade 10-12)
- Five Year Educational Period (Grade 10-14)
- Currently enrolled students
- Total exact number of students 69887 (male 48921 female 20966)
- Estimated number of students around 80,000



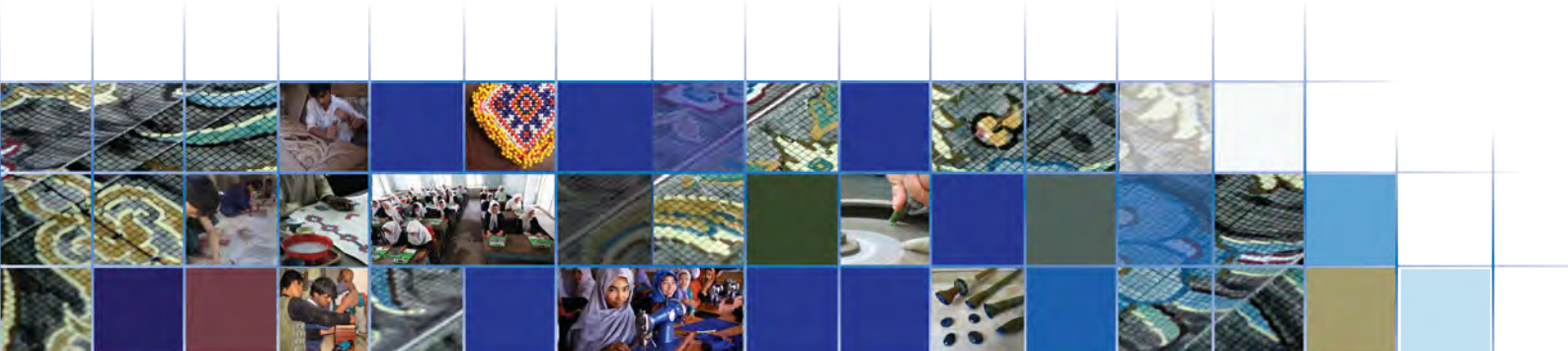
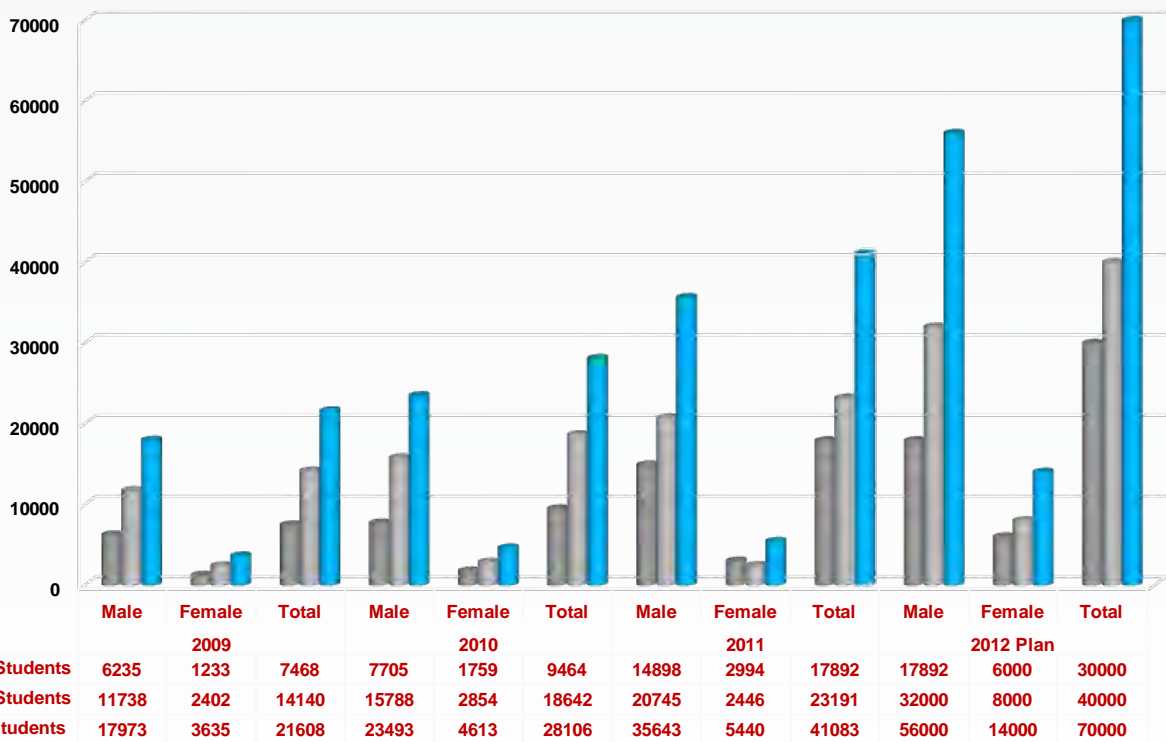








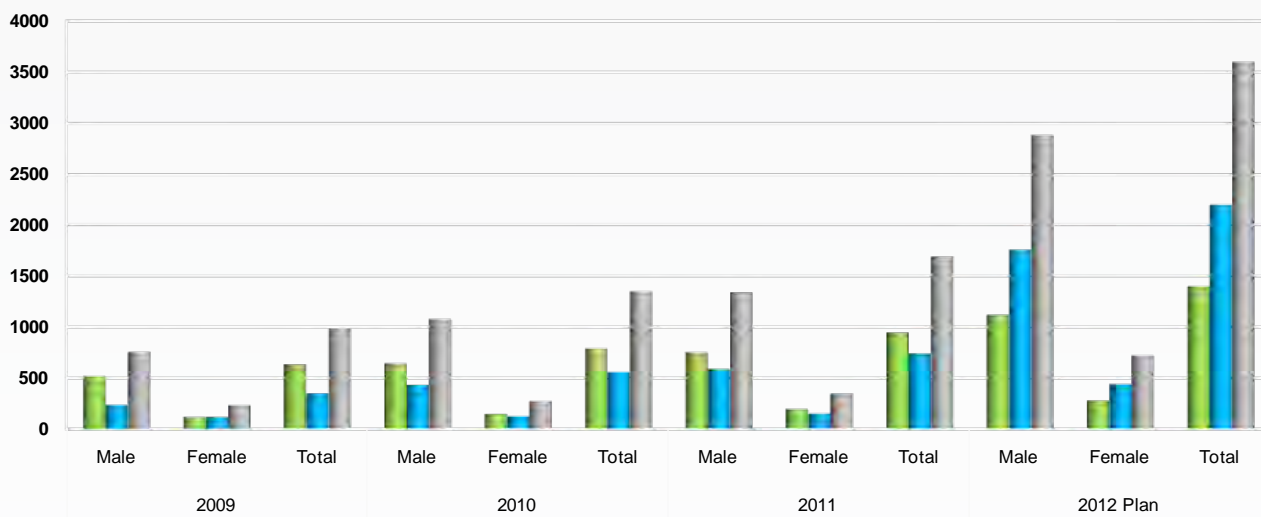
• TVET Students 2009-2012



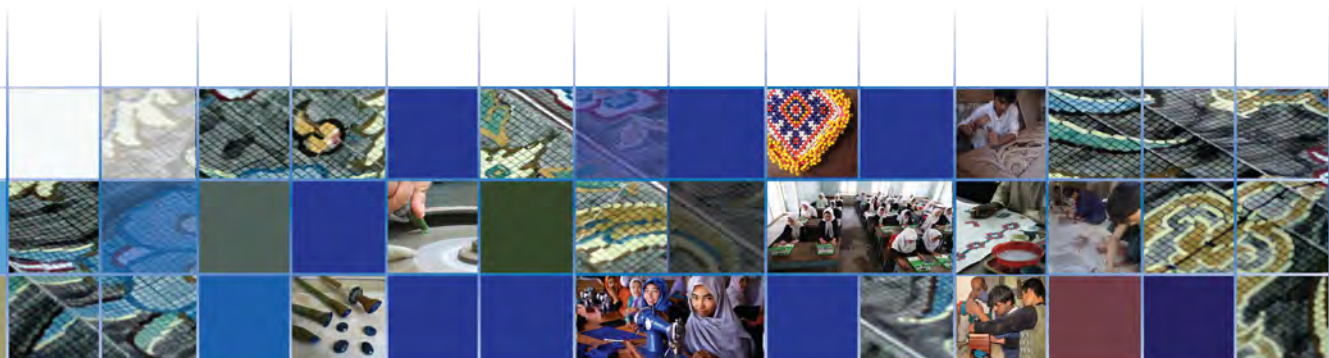
Current Status (TVET Teachers)

- Total number of teachers 2212 (male 1947 female 265)

Teachers 2009-2012



	2009			2010			2011			2012 Plan		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Institute Teachers	518	118	636	642	148	790	751	197	948	1120	280	1400
Schools Teachers	236	116	352	434	124	558	590	151	741	1760	440	2200
Total of Teachers	754	234	988	1076	272	1348	1341	348	1689	2880	720	3600



- **Current Status (TVET Curriculum)**

- 62 trades
 - 1. 1036 subjects

Agriculture, Veterinary,
and Livestock

Technical and
Vocational

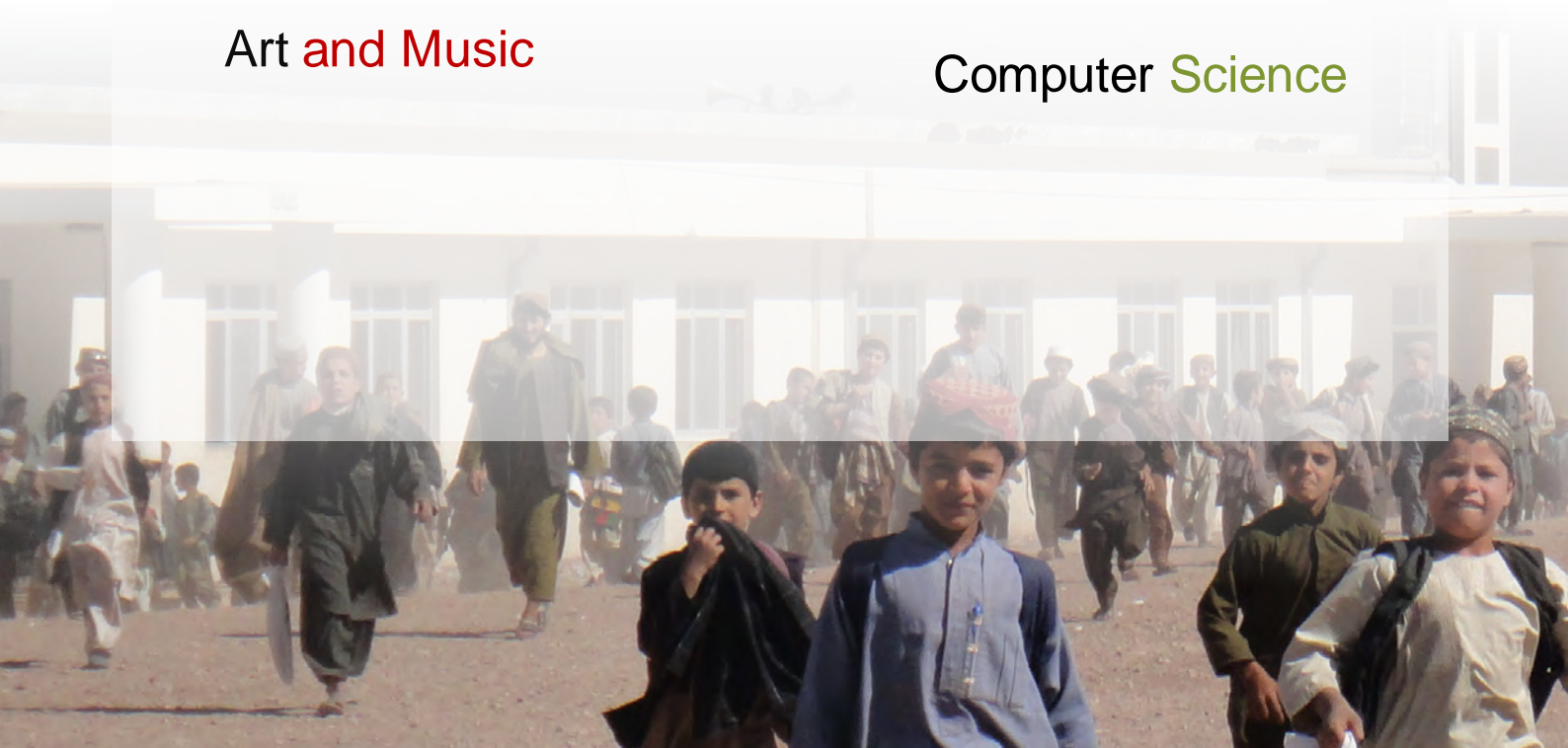
Business

Construction
Engineering



Art and Music

Computer Science



• Recommendations and Requests

• DM TVET would like to recommend the following areas to be further supported:

1. Establishment, equipment and construction of multifunctional regional institutes
2. Construction of school infrastructure for already available schools but with no infrastructure (48 have infrastructure, 162 do not have)
3. Nationwide support rather than focusing on a specific regions
4. To establish more TTTAs in regional areas
5. To expand the TTTAs profiles and establish new departments
6. University based TVET Teacher or to establish university on TVET teacher training or how to accredit the current TTTAs to the university
7. To establish, equip, construct and support the National TVET Research Center
8. To further support the sector for impaired students



Brief of TVET States in 2012

Total		Nu. Of provincial Schools		Nu. Of Central Schools		Schools or Institutes	Nu.
Grant Total	Nu.	Nu.		Nu.			
210	80	30		17		Institutes	1
	130	88		7		High Schools	2
	210	118		24		Total	

TVET states in 2012 (1391)

Nu. Of both Central and Provincial		Provincial		Central		School or Institute	Specifications	Numbers
Nu. Of Schools	Nu. Of Central and Provincial	Total	Nu.	Total	Nu.			
36	24	28	18	8	6	Institutes	Administration & Finance	1
	12		10		2	High Schools		
41	22	31	13	10	9	Institutes	Techniques	2
	19		18		1	High Schools		
105	15	103	15	2	2	Institutes	Agriculture	3
	88		88		0	High Schools		
1	1	0	0	1	1	Institutes	Construction	4
	0		0		0	High Schools		
5	4	2	1	3	3	Institutes	Art & Funs	5
	1		1		0	High Schools		
4	3	4	3	0	0	Institutes	Industries	6
	1		1		0	High Schools		
9	0	7	0	2	0	Institutes	Inclusive Education	7
	9		7		2	High Schools		
8	8	8	8	0	0	Institutes	Multi skills	8
	0		0		0	High Schools		
1	1	0	0	1	1	Institutes	Teacher Training	9
0	0		0		0	High Schools		
210	80	183	58	27	22	Institutes	Total	
	130		125		5	High Schools		