

Needed: A revolution in technical education

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ABDUS SATTAR MOLLA

HERE is no doubt that proper education makes people wiser and more tolerant of diverse views. There are three subsystems of education in Bangladesh at the secondary and higher secondary stages. These are the general education subsystem, the vocational education subsystem and the madrasa education subsystem. The first and second subsystems are for all religious groups, but the third one is exclusively for the Muslims.

Some developed countries have integrated academic and vocational subjects up to pre-university level. But a such system requires schools that have industrial attachments and workshops of their own to impart technical and vocational education along with basic disciplines.

In Bangladesh, the general education subsystem is basically preparatory to higher education. The students are required to form a sound basis in this stage for their higher studies in future. Usually, the best students can take the opportunity of higher education, and they form the cream of those who can lead the nation through their professional and administra-

tive capacities. We cannot burden them with the vocational courses that would be less necessary for them. Besides, we don't have the resources to make every school capable of providing technical education.

Separate technical stream is the way

Some students dropout from the general education subsystem, and I deal with this problem in an article published on November 19, 2007. There, I mentioned one of three main ways of addressing the problem of drawing the dropouts back into schools. The dropouts have almost unknowingly terminated their education in the general stream. They can, in no way, be absorbed in the employment market. So where does the solution lie? How can we use them effectively and in what activities? To be worthy citizens, surely, they must have some vocational, technical or professional training.

The students who cannot cope with general education for lack of merit or financial assistance, and dropout from the general stream, certainly have abilities and can learn some vocational skills in the technical and vocational institutes to make themselves capable earn-

ers of a livelihood. Some students may also freely choose technical/vocational education just by qualifying for admission.

There is no logic for preparing a curriculum having vocational subjects in the general stream. If we try that, a separate vocational education subsystem becomes redundant. That is why devising a separate technical-vocational subsystem is the way out.

Most professional training in Bangladesh is meant for graduates and HSC, or at least SSC, certificate holders. Our polytechnic institutes want candidates to be educated at least up to Grade 8. Many of the youth force might not have this qualification. So, for the majority of dropouts, we need some more vocational training centers in the public sector and 47 in the private. Still, a huge proportion of our seasonal fruits and vegetables rot every year, and we don't train people in preserving those.

In some Asian countries, technical education begins just after completion of primary Grade 6. So why cannot we do that? Many of the dropouts are engaged in technical jobs, like preparation of garments, carpentry, construction, nursery, poultry farming and pisciculture, with meager training, or even just with courage and enthusiasm. If we can arrange vocational training for them, we can bring about an industrial

revolution in the country and can also export skilled manpower! What institutional facilities do we have to train them?

Facilities for technical-vocational education

In the public sector of Bangladesh, there were only 20 polytechnic institutes for a long time! But thanks to the last government, 17 more polytechnic institutes were established by 2005. Besides, 23 more polytechnics have been built, but are yet to start operation.

Furthermore, there was also a flourishing trend in establishing private sector polytechnics (numbering 97). The number of government polytechnics established and being established, totaling 60, is encouraging. Now, it is time to see where these are located. I would like to suggest ensuring at least one polytechnic in each district.

However, of the total 37 functioning polytechnic institutes, only one is exclusively for girls. We have only one institute for glass and ceramics, one for graphic arts, and two for survey. We have 12 agricultural training institutes in the public sector and 47 in the private. Still, a huge proportion of our seasonal fruits and vegetables rot every year, and we don't train people in preserving those.

These colleges can have a variety of vocational courses, mostly of 1-2 year duration. I would suggest establishing a vocational school at the union level, which is the nearest local government structure for the general people. Here, some courses may even be of only six months duration!

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to enter into these institutions. We have a number of private textile institutes, but very few of the garment workers are trained there. They are trained while doing the job!

It is imperative that more TSCs patronised by the government under a national plan be established. Every Upazila should logically have at least one such TSC (i.e., the number should increase from 64 to over 400) that can train the school dropouts in some local trades and techniques, including processing of vegetables and fruits.

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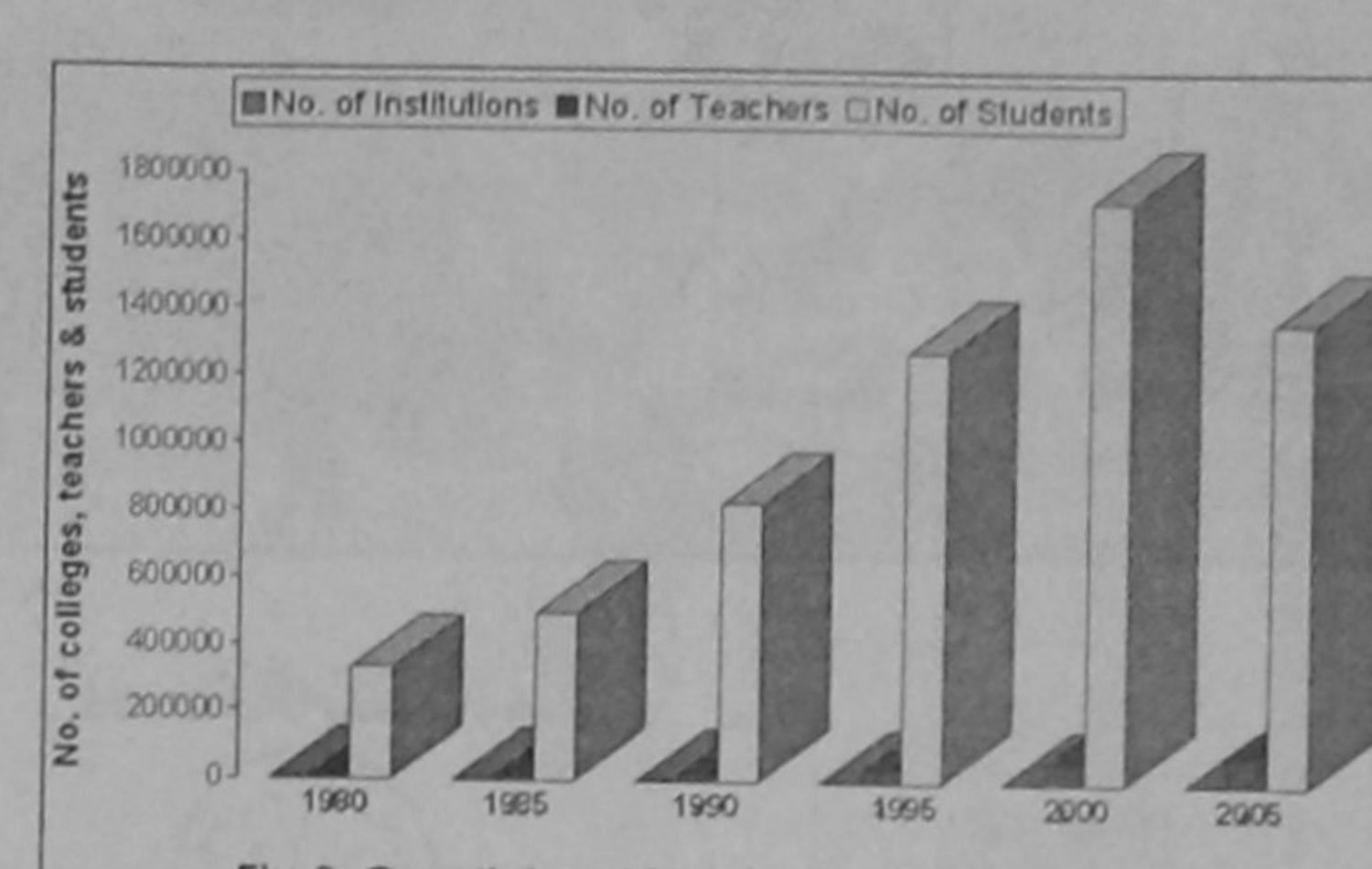
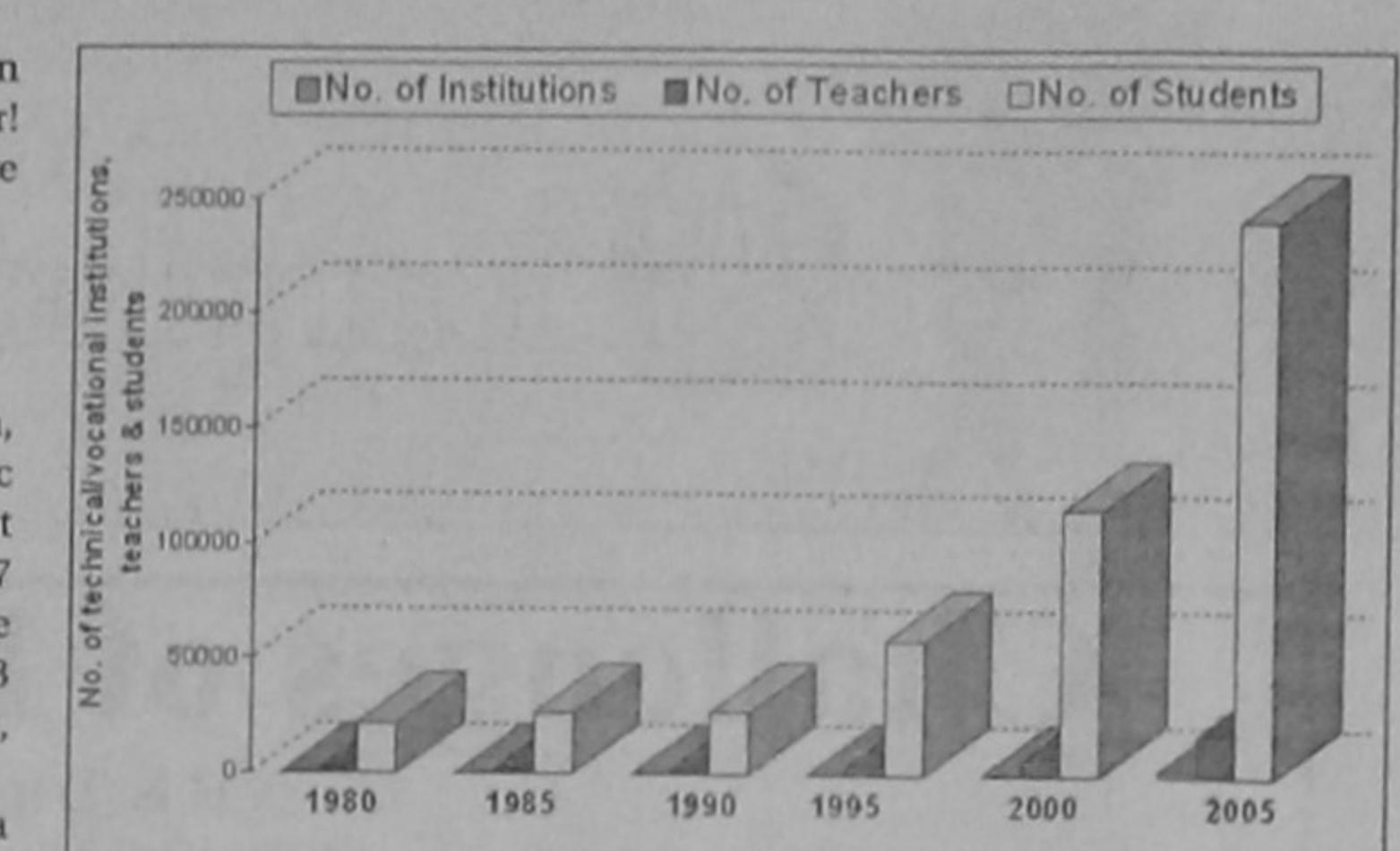
tute (that has surprisingly only 6 trainers). Obviously, technical and vocational teachers need training to impart effective training to the students. Thus, more institutes for training the teachers need to be established so that they can cope with the increasing trend of establishing polytechnics and TSCs.

Such training centers for trainers may be located in the divisional headquarters; everything need not be in Dhaka!

Encouraging vocational education

The polytechnic institutes don't have enough seats to admit all the students who try for admission. About 18,000 students study in the 37 polytechnic institutes, but the existing TSCs don't get adequate number of students. Only slightly over 8,000 undergo training in 64 such public institutions. The general people, including the school dropouts, don't recognise these as worthy educational institutions. Why they neglect these vocational institutes is a very big question.

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Maybe because general schools are everywhere and the people easily recognise those. Since the TSCs are still small in number, the guardians don't recognise them, and the less meritorious students also aspire to have admission in general schools for higher education. They don't care for entering a technical/vocational institute!

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Nevertheless, when they are no more in the general school system, they have to be encouraged to learn some skills so that they can earn a livelihood at home or abroad. If we have more such institutions (at the union level, as I suggest) in the vicinity of schools that failed to keep them in, then they will realise that these technical schools are for them, and giving technical/vocational training can really help them to be worthy citizens.

An amazing trend

The number of students in government polytechnics and TSCs is still not encouraging, but the total number in the technical stream (including the private institutions) is amazing! The total number just

doubled in 2005 (241336; see Fig-1) from 2000 (115655), while the number of students in colleges decreased sharply in 2005 (1.3 million) from the 2000 (1.7 m) mark (see Fig-2) in colleges that are equivalent to polytechnics. So, our education is transforming into a people-oriented technical one from the long-standing rather aristocratic general one.

However, there is no scope for complacency yet. If the industrial revolution dreamt above is to be materialised, there is no alternative to establishing more such institutions and admitting dropouts into those on a large scale. Once we can motivate our school dropouts to do this, and we have enough facilities for them, the nation can prosper. None can stop our progress. Then we can export skilled or at least semi-skilled manpower abroad; we need not send abroad a single person unskilled to be detained in the jungles of East Asia or in the deserts of the Middle East!

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Gender bias in national identity (ID) card

It may be important to have the statistics of marital status of the population, but partner's name is not at all important enough to be mentioned in the ID card (the ID card of a married man doesn't show his wife's name). Taking all these into consideration, father's name instead of husband's name should be mentioned in the national ID card and in the voter list, mother's name need to be incorporated as well. Moreover, the government of Bangladesh needs to give more emphasis on biological identification than on the social one in national ID card, as part of voter registration process.

SHAMIMA NASREEN

ANGLADESHIS are going to have gender biased national identity (ID) cards. The Election Commission started voter registration across the country in November as part of its full-scale preparation of the voters' roll and national identity card.

The format of national ID card of Bangladesh shows inclusion of the name of her husband for a married woman, instead of her father's. A married man can use his father's name but a

height, eyes etc.). The format of the national ID card of Bangladesh shows that social identification is more important than biological identification.

People who are ineligible now as voters will have to wait for an indefinite time to get the national ID card, as the responsibility of preparing national ID cards for them does not lie with the Election Commission. In this regard, if a separated woman delays registering she may have to wait for a long time to get her national ID, but if she

shows his father's name.

In marriage contracts in Bangladesh, Pakistan, India and Sri Lanka, obedience is not codified; the law does not state that the husband is head of the household. In these countries, the laws do not codify any requirement that the wife has to take husband's name or have his permission for work or travel (Knowing Our Rights: Women, Family, Laws and Customs in the Muslim, By International Solidarity Network Staff, Zubaan, 2003, p. 161).

Likewise, Bangladesh national ID card shows the name of the husband for a married woman, instead of her father's name. Moreover, the format of voter list shows the name of the father only, but not the mother's. These are the gender biased government provisions.

In fact, inclusion of the name of the husband is not at all important in the national ID card because marital status may change. A woman's husband may die; she can have divorce in future; or she can remarry after divorce or after her husband's death. So, this means that if any such incident happens, then the women need to apply for an immediate change in the ID card, but men in similar condition don't need to change anything. They can update the information about their marital status in the registration form later, unlike a widowed or divorced woman.

Other than psychological strain, the woman may be deprived of public service until she receives her renewed card, because the Election Commission (EC) has asked the government to make a law for mandatory usage of national identity (NID) cards to get access to services and facilities in 22 fields.

Once the law is made, none will be allowed access to the specified facilities or services, of which most are related to people's daily lives, unless they produce the NID cards or the government relaxes the related provisions. So, the mention of any temporary social status (marital) should not be emphasised and made compulsory in the national ID.

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Moreover, the government of Bangladesh needs to give more emphasis on biological identification than on the social one in national ID card, as part of voter registration process.

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registers during the separation and then gets divorced, the ID card which she will be given will have the name of her ex-husband, which will be invalid by then.

So, when she needs to apply on her own for changing her marital status as part of the renewal of national ID card, she will have to put up with a sheer psychological strain. By contrast, a recently divorced man doesn't need to make this change as the national ID card

An e-procurement system ensures better resource utilisation by providing competition and equal opportunity for all qualified vendors. It dramatically reduces cycle time for processing of tenders and task completion, and can also standardise the procurement process across all government departments and agencies. It increases purchasing power by demand aggregation, and empowers the small and medium bidders because the entire content and bid submission is online.

ZIA HASSAN

THE current drive against systematic corruption, spearheaded by the Anti-Corruption Commission (ACC), has received wholehearted support from the general people. The media, civil society, TIB, and other organisations are working tirelessly to make corruption a difficult undertaking for the practitioners. However, all these efforts are not producing the expected result as the government machinery has tailored itself to absorb corruption through years of practice. It has been witnessed that, as pressure increased, the corrupt adapted new methods, and overt corruption is now taking place through covert means.

Public procurement through government contracts has always been the primary source of corruption.

Some experts suggest that, in government procurement and work tender, only 15% of the money reaches its intended destination as 85% is siphoned away through systematic leakages.

The manual tendering based public procurement system presents many opportunities for manipulation by corrupt civil servants and tender "mafias."

Killing of tender rivals and cinema style kidnapping and violence have always been part of the tendering process in our country. In some cases, cartels distribute the works within themselves and seek exorbitant price.

Politicians and public employees also collaborate to award contracts to the payer of the highest bribe or to their favoured contractor. They also indulge in corruption by systematically leaking information and manipulating papers during the tender approval process.

An overall reform is required to address these issues. An e-procurement system based on a public-private partnership model can be the best way to restrain these malpractices, because it takes away the power of awarding contracts from corrupt civil servants and transfers it to a neutral software based system that allows transparency, competition and equal opportunity for all eligible vendors.

The e-procurement system provides an internet-based interface where buyers and sellers

of all government procurements and contracts can participate in a fair and transparent manner.

In this model, all the government wings and agencies post their tenders in a web portal or website, which can be downloaded by all eligible vendors and other stakeholders from the internet.

The suppliers can remain anonymous, and they can place their bids anytime from anywhere. Bids are evaluated automatically, based on parameters of capacity assessment and a predefined quality assurance plan. Based on this evaluation, the contract is offered to the most appropriate contractor electronically. The system ensures that there is no interaction between the public employees and the contractors during the whole process of bidding, the awarding of the contract, and in the post-bid stage.

An e-procurement system ensures better resource utilisation by providing competition and equal opportunity for all qualified vendors. It dramatically reduces cycle time for processing of tenders and task completion, and can also standardise the procurement process across all government departments and agencies. It increases purchasing power by demand aggregation, and empowers the small and medium bidders because the entire content and bid submission is online. A centralised registration of suppliers can be an integral part of the system, where rogue suppliers can be identified and quality of service and post-bid contract evaluation can be ensured.

Ultimately, it brings transparency in the procurement process and drastically reduces corruption in public procurement.

Faced by the problems of manual tendering systems, many governments around the world have resorted to the e-procurement system. The experience of the Indian state of Andhra Pradesh is probably most relevant for us. In the year 2000, the state of Andhra Pradesh identified e-procurement as the core e-governance project. The legal framework came from the Indian IT Act 2000. After implementation of the project, only 11 tenders took place in 2003, which raised doubts about the success of the project. But, with strong political will and drive, the portal became a massive success and, in

2007, it handled 16084 contracts worth Rupee 27143 cores, which is around 70% of the state's total public expense.

The portal is saving around Rupee 2700 crore of the Andhra Pradesh government due to competitive bidding by suppliers.

Currently, 57 municipalities, 4 universities, and 8 government departments, including roads and highways, irrigation, public health, tribal welfare and local government, carry out all their transactions through the portal. The automated workflow has shortened the tender lead time from 180 days to 36 days. It has completely eliminated cartels and syndicates and reduced the cost of doing business for the contractors.

After its successful implementation, other state governments and the Indian central government have adopted the e-procurement model. The initiative has received the UN Public Service Award 2007 and Harvard University's Ash Institute Award. The project has been identified as the best model for developing countries by the World Bank.

The Indian railway has also been successful in implementing an e-procurement system. 13 units of the Indian railway now procure goods and services worth Rupee 9000 crore through the web-based procurement system. The project was implemented in four stages after a successful pilot scheme. The total implementation cost was around Rupee 5 crore, including Rupee 5 crore for hardware.