**Chapter – 1**

**Recognition of Need**

**1.1 Introduction**

* **Preface:**

Rajshahi Technical Training Center is one of the old and large technical training centers in the history of skills development in Bangladesh. This technical training center is established to train the manpower for local and global market. Training is delivered in different employable trade as per the demand of local   and overseas job market. In keeping with changing Technology Rajshahi Technical Training Center is capable to start any courses on emerging technology. Course curriculum of RTTC is always updated in line with demand. Innovation in all sectors is always considered in teaching-learning. Technical Training Centre, Rajshahi always thinks for skills and quality of graduates. Since knowledge and skills are becoming the future currency, so Rajshahi TTC always try to do the best and the new things.

* **Brief History:**

Technical Training center, Rajshahi of north Bengal is one of the famous TTC among the old 11 TTCs. It works in the direction of Bureau or Manpower, Employment & Training under the Ministry of Expatriates welfare & overseas Employment of Government of the people’s Republic of Bangladesh.

Rajshahi Technical Training Center was established in 1967 to provide unemployment people by skill training program. This institution initially stared with the financially & technical assistance of SEATO. Now S.S.C (voc) & Short courses are successfully going on. The objective of short Courses is to produce skill human resources for employment for earning foreign currency.

Very recent, Computer Graphics Design lab and Auto CAD Lab was remodeled under the financially & technical assistance of KOICA (Korea International Cooperation Agency).

The center is now going to offering CBT&A programs under new National Skill Development policy with a view to impart knowledge and skills, to the trainees using modern technology in keeping with the changes in the local and global market.

**1.2 Objectives of Technical Training Center, Rajshahi**

* To ensure that all trainees have the technical skills that they needed.
* To maintain the services & products.
* To motivate trainees to achieve world class skills.
* To decrease the risk of training place that the trainees can feel safe.
* To upgrade professional and managerial skills.
* To provide courses in digital format like online system of teaching.
* To encourage the trainees to achieve their goal
* To provide opportunity of skill development and technical education to all sections of the society without any gender bias.
* To ensure the quality of environment.
* To provide positive attitude towards science and technical part.

**1.3 Vision and Mission of the organization**

* Facilitating world-class Department of Technical Education, Training and Skill Development through emphasis on developing high quality institutions, academic excellence and innovative research and development programmers.
* To provide leadership in assuring quality and in stimulating innovation in technical sector.
* Anticipate and prepare for the changing environment and the future needs in pursuits of technical advancements.
* The ability to adapt and upgrade individual skills in a rapidly changing world
* To assist the people in making educational and career decisions.
* To make informed consumer decisions and apply practical life skills.​
* To impart Technical Education & Training, to provide substantial number of technicians in different disciplines for the emerging industrial fields of the country.
* Promoting industry-institute interaction for developing new products, services, and patents.
* To Transfer technical knowledge at the grassroot level.

**1.4 Problem Identifications:**

**1.4.1. No online admission system**: Students cannot enroll or admit themselves using website. There is option for offline admission but this is not efficient and cost effective. Offline admission system is very complex system and it it very hard to maintain proper time /schedule in this system. There is need of enough manpower in this system which is not cost effective. If they make the admission system in online students from distant area can easily admit themselves.

**1.4.2. Absence of student’s** **profile:** They don’t provide individual profile for students, employee and teachers. If they could give or maintained individual profile, student’s could view their result, can get update about their course, routine and notice. This is a very systematic way to maintain student’s profile. Student’s can see their result and grade individually. This system will make institution’s privacy more strong. And also teacher can monitor improvement of the student.

‘Sign-up’ option should be added on the website, so that when anyone do sign-up by giving necessary information a profile will generate.

**1.4.3.** **Lack of online resource:** There is not any syllabus, details and course curriculum for specific course in the website. If students can see the course curriculum on the website they will get some advanced idea. And, there is lack of list of necessary books, pdf, article and video tutorial about a particular course. Student’s will not get proper idea about their courses before admitting themselves. There are no necessary pdf files or books. So, during study they will not get enough materials and resources.

**1.4.4. Online/mobile banking:** At least course fee and admission fee should be received using mobile banking such as bkash, rocket etc. Now a days, mobile banking is available and vastly used. If the authority receive payment by mobile banking ,student’s will get benefit. This system will help the authority to handle the situation in a more systematic way and efficiently. It will consume less time and less number of employee. The environment of the institution will be more stable, training and teaching will not be hampered.

**1.4.5. Shortage of training of trainer’s:** In this organization there is a critical shortage of training of trainers which can become threatening for the future training program. The trainers teach the trainee according to their previous learning. The trainers of various sectors are well experienced -no doubt but to keep pace with this competitive world by their skills, they should be trained. Without proper training they can’t teach the trainee properly what the trainee actually needs to know to prepare themselves for suitable jobs.

**1.4.6. Not having updating curricula:** Technical Training Center (TTC), Rajshahi has 16 different fields of training. All the fields have particular curricula in order to enhance student learning and facilitate instruction. But these curricula are not totally up to date. Curriculum is the central guide for teaching and learning. But by this not updated curriculum the trainees are taught subjects or concepts that are no longer relevant. Thus, the training may not be so much effective for the trainee.

**1.4.7. Insufficient performance monitoring and evaluation:** The trainee of TTC can take short term courses which duration can be 6 months or can participate in long term courses which duration is more than 1 years. There is a vocational board which conducts the evaluation of the trainee. But in this organization, internally there has no option to evaluate the performance of the trainee. By this internal evaluation the trainee can know their lacking and correct them before the final evaluation of the vocational board. Even the organization does not arrange “class test” type examination to monitor whether the trainee actually can perform the tasks.

**1.4.8. Bad condition of training car:** The cars, that have used in driving trade, are have in very bad condition. The are certainly not in shape of driving & it is quite risky to a car in that condition. They also use the TTC inner road as driving way. But both the authority & the instructor are willing to use them in for training purpose. Again, they have better quality cars. But they don’t use it for driving purpose. Which is nothing but negligence of the authority.

**1.4.9. Shortage of recreation:** There in a small field in TTC area. But, that one not able to cover up the annual program for a single trade. Again, the annual program is only for those students those are enrolled in the long-term courses. But there are no such things for the students on short-term courses. Further, they don’t have any scope of sightseeing tour. Anyway, recreation do impact on education. Shortage of recreation can be a great problem in long run.

**1.4.10. Shortage of security guard:** The TTC area is quite big with 16 trade & intermediate level college education system. Again, they have a separate area for women training purpose. But, in this whole area, there is not a single guard checkpoint. Even in the main gate of TTC there is a guard. But he also not concern about the outsider who came into this area. Anyone can roam into the area, without ant permission. It may normal for an educational institute, but for women’s separate area of training, it is uncomfortable to them. Again, some guard’s checkpoint can observe the area in better way.

**1.4.11 Insufficient advertisement:** Only the proper advertisement can give the appropriate information about the organization and can depicts the significance of technical knowledge in this modern era. This organization manages student/trainee by submitting leaflet, giving post on various social media and through the newspaper. Thus a few people can know about the importance of technical knowledge and skills. For this lack of organizational advertisement, it creates the shortage of the number of the trainee. There was so many modern equipment of high cost which were imported from Korea but most of them are being unused for the lack of trainee.

**1.4.12 Not having cafeteria:** In this organization, there is no canteen or cafeteria. During the break time of the courses, there is on chance of the trainee to get foods inside the campus. Even there is no tea stalls or hotel nearby the organization. So the trainee have to go a long distance when they need to take any food. After taking the snacks from the long distance, when they come back to their classes, they often miss some portion of the course lecture. This reason is disrupting their training.

**1.4.13 Lack of Man Power:** In this time there are 1500 students/trainee who have enrolled in various courses. For their training, there are only 55 instructors. The number of instructor is very smaller compare to the number of trainee. We have also learned that there is only one foreign instructor from Korea who acts as a monitor of the training courses through online. It is very difficult task for a monitor to supervise all the arena of the training courses.

**1.4.14 Inadequate Staff Quarter:** There are only 5 two storied building in the compound for the instructors where there works 55 instructors in current time. The facilities of this organizations can support only 10 families of the instructor. Most of the instructors remain deprive of the accommodation facilities. So they have to rent houses outside of the organization at a high cost. Moreover, many instructors have to come from a far distance. In this case, it adds transportation cost with the living cost which greatly hampers the financial condition of the instructors.

**1.5 Conclusion:** Technical Training Center (TTC), Rajshahi has its great mission and vision and this organization is trying to fulfil its organizational goal. While doing initial survey on the existing system of TTC, we found some problems. But we don’t know whether these problems can be solved or not. This can be understood after initial feasibility. Thus we will try to find out the solution of these problems and go through some sequential stages to build up a candidate system.