

1. **Introduction:**

E-learning has broadly become an important enabler to promote distance education (DE) and lifelong learning in most of the developed countries. However, in Bangladesh it is still a new successful progressive system for the learning communities for technical training as well as academic sector.  It is observed from different sources that e-learning is going to ensure its bright prospect as an alternative mode of education at the primary, secondary and tertiary level in Bangladesh. Most of the young generation in Bangladesh require technical education and training for meeting the speedy economy. In this Pandemic situation of COVID-19 all of the educational institute and training centers are unable to gather students under one roof. So fast requirements of live class there are several problems that are identified and can be mitigated and solved through Information and Communication Technology (ICT) development, greater acceptance by learners.

1. **Background:**

In Bangladesh, e-learning was first introduced as early as 1960s as a Radiobroadcast followed by a pilot project School Broadcasting Program (SBP) in 1980s and then expanded by the establishment of the National Institute of Educational Media and Technology (NIEMT), which was later transformed into Bangladesh Institute of Distance Education (BIDE) in 1985. The significant progress has been done after the establishment of the Bangladesh Open University (BOU) in 1992 as the first and only national distance learning university (Islam & Selim 2017). Now with this pandemic situation 2020 many platforms and institutes are trying to develop online based class system. However, different problems are appearing for live class streaming. We the **Sustainable Research and Consultancy Ltd. (SRCL)** introduced **SOCHETON Academic Care** an online based live class, exam, training, demonstration and direct communication with student’s system. Different private tuition, coaching centers, training institutes, technical training centers and similar technical, academic, vocational, skill level training centers, school, college, university and relevant institutions are interested as well as associated with this platform.

1. **Requirements of Study on Online Based Class:**

Day to day the industrial revolution is growing up and regular training is mandatory for people for introducing new technologies and education system. Every day due to ICT development teaching methods are going changed, new technologies and practices are appeared. That’s why the people training under one roof is very difficult. Only E-learning or live distance learning can resolve the problems. Some important issues are addressed herewith,

1. New technical training is essential for company employee
2. Adapt with national and international competitions
3. Work-Training-Work (WTW) practices for industry level
4. Different Pandemic situation like COVID-19, Flood, Storm Surge, Dengue and like others situation all institutes go down off and then E-Learning is the only way.
5. Time flexibility is present here and people can join class any time anywhere.
6. World is going for E-learning platform for every level of education and we need to join this mob as soon as possible for entering the international markets.
7. **General Working Areas of Socheton:**





Technical traing

Private Tution

Coaching Centers

Photo 01: Service areas of Socheton Academic Care

1. **General services of Socheton Academic Care:**

Online based live class and training streamlining is our basic service including live exam, demonstration, Homework and similar services. Research and development are our another prime concern. Feasibility study, E-learning materials development, 3D model deployment and others. A snap shot of our activities is attached herewith.

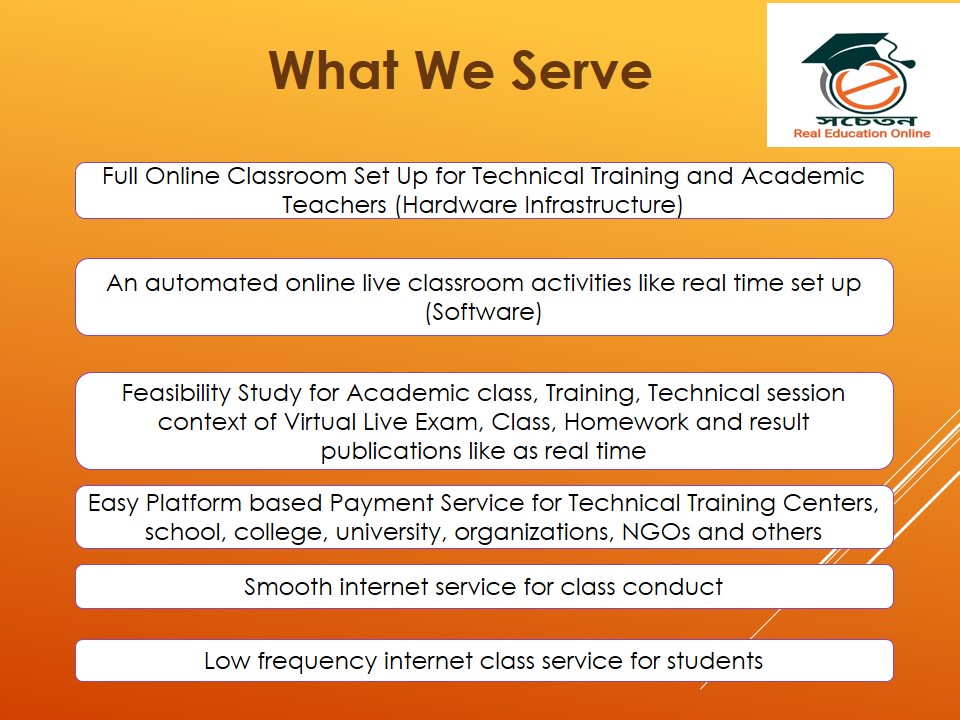
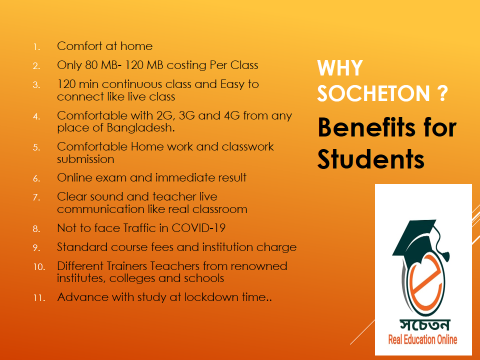


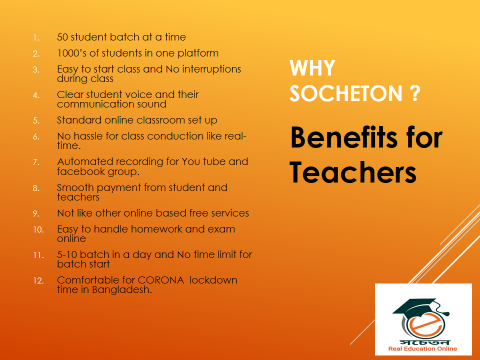
Figure 02: Sochetion service types

1. **Benefits of Online Platform:**

For Video (<https://www.facebook.com/107092561032031/videos/334696927685407> )

**In English**





**In Bengali:**

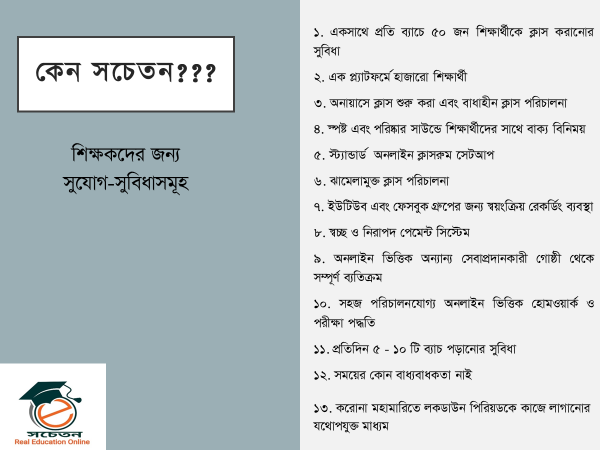
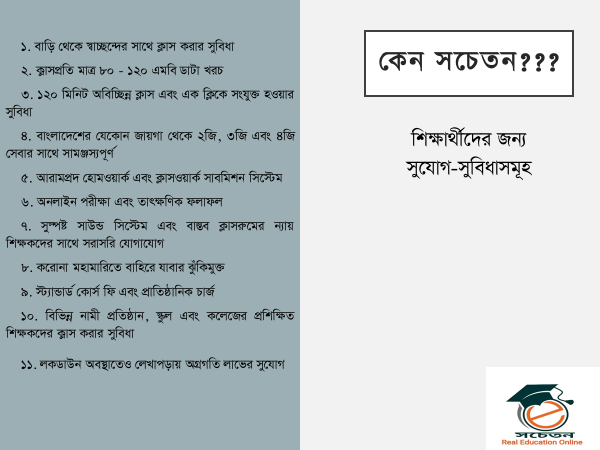


Figure: General Benefits for Sochetion Subscribers

1. **General Differences of Socheton Platform:**

**In English:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.** | **Items** | **General Services** | **Socheton Services** |
|  | Free Class time | Only 45 min. and need to reconnect | Free up to 120 Min |
|  | Entry | Need to submit user name and password | Direct entry for live class |
|  | MB Cost | 500 MB-700 MB for each class | Only 180 MB- 220MB Cost for each class |
|  | Remote Areas | Only Available for 4G network | Available for 2G, 3G and 4G network |
|  | Class Sound | Sometimes missing and not clear from teacher | Very clear sound like as real |
|  | Live Exam System | No exam system | Smooth online based Live Exam system |
|  | Home Work | No Home Work System | Smart Online based home work system is available |
|  | Student Payment | No payment gateway and restriction | Highly secured for student payment and entry for live classes |
|  | IT Support | No IT support from company | Full IT support from us |
|  | Training for Teachers | No training Opportunities from company | Full training support from company |
|  | Online Purchase | Sometimes tough to purchase for general teachers | Free from purchasing |

**In Bengali:**

|  |  |  |  |
| --- | --- | --- | --- |
| **ক্রম** | **বিষয়** | **অন্যান্য প্ল্যাটফর্ম** | **সচেতন একাডেমিক কেয়ার** |
| **০১** | K¬v‡mi mgq | 45 wgwbU cici wiKv‡b± Ki‡Z nq | 120 wgwbU ch©šÍ d«x |
| **০২** | jMBb | cÖ‡qvRb Av‡Q | cÖ‡qvRb bvB |
| **০৩** | WvUv | 500 - 700 Ggwe / K¬vm | gvÎ 180 - 220 Ggwe / K¬vm |
| **০৪** | wi‡gvU Gwiqv | শুধুমাত্র 4wR †bUIqv‡K©i Rb¨ cª‡hvR¨ | 2wR, 3wR, Ges 4wR †bUIqv‡K©i Rb¨ cª‡hvR¨ |
| **০৫** | K¬vm mvDÛ | ​মাঝে মাঝে সাউন্ড ড্রপ করে এবং শিক্ষকের কথা পরিস্কার শোনা যায়না | ​সাউন্ড ড্রপ করেনা এবং পরিস্কার শুনতে পাওয়া যায় |
| **০৬** | jvBf G·vg | ​এক্সামের কোন ব্যাবস্থা নাই | ​অনলাইন এক্সামের ব্যাবস্থা আছে |
| **০৭** | ‡nvgIqvK© | ​‡nvgIqvK© এর ব্যাবস্থা নাই | ​অনলাইন ​‡nvgIqvK© এর ব্যাবস্থা আছে |
| **০৮** | ÷z‡W›U †c‡g›U | ​কোন রেস্ট্রিকশন ও পেমেন্ট গেটওয়ে নাই | ​ছাত্রদের জন্য অত্যন্ত সুরক্ষিত পেমেন্ট গেটওয়ের ব্যাবস্থা আছে এবং লাইভ ক্লাসের এন্ট্রিও রেস্ট্রিকটেড |
| **০৯** | AvBwU mv‡cvU© | ​কোম্পানি প্রদত্ত আইটি সাপোর্ট নাই | ​আইটি সাপোর্টের সুব্যাবস্থা আছে |
| **১০** | wkÿK‡`i †Uªwbs | ​কোম্পানি থেকে প্রশিক্ষণের ব্যাবস্থা নাই | ​প্রশিক্ষণ সেবা অন্তর্ভুক্ত |
| **১১** | AbjvBb cvi‡PR | ​সাধারণ শিক্ষকদের জন্য পারচেজ করা কষ্টসাধ্য | ​ফ্রী এবং পারচেজের ঝামেলামুক্ত |

1. **General Resource Person for Research and Activities:**

A strong team including educationalist, IT expert, System support technician and researchers are working with each other and developing the total system.

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| --- | --- | --- | --- |
| **Sl. No.** | **Name** | **Qualification** | **Year of Experience** |
|  | Dr. Md. Mazedul Haque | PhD, Netherland | 18 |
|  | Dr. Sayed Md. Nazim Uddin | PhD, Canada | 13 |
|  | Dr. Razib Amirul Islam | PhD, Canada | 12 |
|  | Dr. Zahanara Parvin | PhD, Japan | 12 |
|  | Abu Jubayer | M. Sc. (BUET) | 12 |
|  | Sadequr Rahman | M. Sc. (BUET) | 10 |
|  | Emdad Ali | M. Sc. (JU) | 18 |
|  | Jinnat Ara Khatun | M. ED (DU) | 14 |
|  | Mehedi Hassan | M. S. S. (DU), IT | 10 |
|  | Nazmul Hassan | B. SC. In CSE, (UAP), IT | 8 |
|  | Sanjida Rahman | B. SC. In CSE, (CUET), IT | 8 |
|  | Tanvir Rahman | B. SC. In CSE, (CUET), IT | 5 |
|  | Salim Ahmed | B. SC. In CSE, (BUET), IT | 5 |
|  | IT Support Technician (6) | Various | Various |
|  | Office Staff (70 | Various | Various |

1. **Our Capacity for E-Learning Training Platform**

For your quick review please visit our website ([**www.socheton.com**](http://www.socheton.com) **)**

1. Online classroom set up for technical training sessions
2. Online live class transmission for teachers and students
3. Online exam system development
4. Online homework/session work for CBTA session
5. Teachers online class materials (OCM) development
6. Students online class materials development
7. Teacher Training for online class preparation (Master ToT)

For Quick View Videos: Our Verified Facebook Page <https://www.facebook.com/107092561032031/videos/1010492469391022/?eid=ARA4JtZi_f2W7rOd7EEm5R7PDwpFigUqaMFsrIQPYk8DPMNvXUBEAgxIJO0GaPSCcb-GkDC0PEnsH2rZ>

1. **Experience of Educational Study:**

Different types of educational study are going on in our house in different context. Some are here

1. Feasibility study on University Tuition basis online class performance

**(www.socheton.com )**

1. Feasibility study on Private Tuition basis online class performance (Coaching and private tuition-subject wise)
2. Online coaching system development for school, college, admission and others (**www.socheton.com** )
3. Feasibility Study for Online based class facilities for Technical Training and Youth Development Program
4. E-Library for Technical Students Project
5. **Place Towards Future Work**

Our Planned some future project for SMART E-learning projects are listed for your ready references

1. Virtual reality classroom (fully online/Offline based)
2. Online game based educational system (Sessional Part)
3. Foreign HR Export and Technical trained student job platform [**www.jobex.com**](http://www.jobex.com)
4. **Online Platform and Similar Works World Wide:**

Similar works are ongoing worldwide from support Government Authority and Private Authority to develop these types of live streaming online platform and development. Some link for your quick look.

1. <https://www.youtube.com/watch?v=0M8QHPR5ejc>
2. [www.youtube.com/watch?v=Ws7weRVW0RE](http://www.youtube.com/watch?v=Ws7weRVW0RE)
3. [www.youtube.com/watch?v=UhW12bILH7U](http://www.youtube.com/watch?v=UhW12bILH7U)

**Our Online platforms**

1. Web Page: [www.socheton.com](http://www.socheton.com)
2. Verified Facebook page:

<https://www.facebook.com/Socheton-Academic-Care-Online-107092561032031>

1. Presentation Videos: <https://www.facebook.com/107092561032031/videos/334696927685407/>
2. Online Classroom Set Up videos: <https://www.facebook.com/107092561032031/videos/1010492469391022/>
3. **Our Application to Your Authority**
4. Testing our online class system for general school and colleges from your team.
5. Under your supervision a general feasibility study opportunities and support by installing classroom materials and real feedback from teacher and students
6. Under your supervision provide logistic support and acceptance for developing this technical framework within all level school and colleges.
7. By considering the emerging issues we hope that you’ll consider our proposal and provide us an opportunity to work under your supervision.
8. **Our Legal Entity**

Our Company Sustainable Research and Consultancy Ltd. (SRCL) is legally registered to Bangladesh Government and carrying all types of legal documentation for continuing our activities. It includes

1. Trade license
2. Incorporation Certificates
3. Taxpayer Identification Number (TIN)

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Figure 04: Legal status of SRCL