



## In the beginning

Established in 2001 Tioli Software is a Salt Lake, Kolkata based multimedia development and R&D center. For years our multimedia design engineers developed industry leading illustrations, storyboards, animation, editing, audio design and visual effects for top industries.

## Educyclopedia

Realizing our technological ability to lift the standards of secondary education in India we launched 'Project Educyclopedia'. We assemble a group of top notch educationist, teachers and professors, content writers, software designers, animation artists, etc.

Their collaborative efforts took us to a forty eight months journey to develop a dynamic course contents library for CBSE and ISC students which goes above and beyond any contemporary traditional electronic learning process. At last we are successful to develop a totally web / non-web based CBSE and ISC course curriculum.

## Mission Statement

Our mission statement was to create a virtual classroom where teachers, students and their parents will come together and make the learning process more interactive, hands on, fun, effortless, lasting, and free. We envision a 'border-less knowledge network' where modern technology will meet the traditional age old 'one-on-one' teaching technique.

## Innovations

Heart of our product is the innovation. We perfected the methodology to deliver secondary level curriculum with the help of latest but most practically available information technology. Some of the critical strengths of our cutting edge product is as follows:

### ● Virtual Knowledge Network (VKN)

Our product will create a Private Virtual Knowledge (PVK) library where every interested party can contribute and exchange ideas on top of supplied base library of contents.

### ● Methodology

With some extra help from modern computational technology, our developed educational methodology will offer an institute a pathway to modernize their teaching delivery method fit for 21st century.

### ● Flexibility

Our contents are completely flexible. To match needs, institutes, teachers and students can also collaborate simultaneously on our base electronic content library.

### ● Science subjects

For both ISC and CBSE streams we developed all science courses contents i.e., Physics, Chemistry, Biology and Mathematics. Each subject is rich with audio, video, animation, virtual laboratory. We also have 'on-demand' update feature to change our materials, add notes, bookmarks, special comments, etc.

### ● Commerce subjects

At present, for CBSE commerce streams, we have developed Accountancy course contents and in the process of developing Business Studies and Economics.

### ● Security

All our products are completely secured by user defined user id and password. Owner of our product can stop any unauthorized user.



# 10 Features



# 10 Benefits



- 1.** Total customizable course materials.
- 2.** Copyrighted materials and patented (applied) methodology.
- 3.** Revolutionary border-less electronic classroom concepts for 21st century.
- 4.** Internet connection not mandatory. DVD or CDROM for non-internet users.
- 5.** Complex scientific subject matters explained with high quality graphics / diagrams / animation / voice over.
- 6.** Authors are from reputed institute. Detail bios are in our website.
- 7.** Total 200+ years teaching experience among authors.
- 8.** Pioneering scientists, researchers, inventors are recognized through out the contents.
- 9.** Thoroughly researched materials from various scientific journals, research papers, and national and international university archives.
- 10.** Password secured materials.
- 1.** Effective teaching tool for teachers.
- 2.** Print contents on demand.
- 3.** Create simulated test from the course materials and question banks.
- 4.** Create digital homework for the students.
- 5.** Hundreds of practice questions, answers with hints and explanation for each subject. Last ten years solved test problems.
- 6.** Create your own year round study plan.
- 7.** No need for private tutors.
- 8.** Partnering with top educational / training / institute / Board of Education.
- 9.** Partnering with leading publishers for digitization project.
- 10.** Powerful search engine and hypertext navigable. Contents.



## Version 1.0: Course titles and authors

Followings are the current available Class XII course materials and their respective authors.

### CBSE

#### **Fundamentals of Financial Accountancy**

by Dr. Santosh Kr. Paul, Ph.D. (Accountancy), Principal (Retd.)

#### **Fundamentals of Biology**

by Dr, Soma RoyChowdhury, Ph.D. (Physiology and Cancer biology)

#### **Fundamentals of Chemistry**

by Dr. Kanai Lal Ghatak, Ph.D. (Chemistry), Professor (Retd.)  
by Mr. Barun Banerjee, M.Sc. (Chemistry), Assoc. Professor  
by Dr. Rupendra N. Banerjee, Ph.D. (Chemistry), Professor

#### **Fundamentals of Mathematics**

by Mr. Mrityunjoy Goswami, M.Sc. (Mathematics). Sr. Teacher.

#### **Fundamentals of Physics**

by Mr. Ramsaran Bhattacharya, M.Sc. (Physics), Professor (Retd.)

### ISC

#### **Fundamentals of Biology**

by Dr, Soma RoyChowdhury, Ph.D. (Physiology and Cancer biology)

#### **Fundamentals of Chemistry**

by Dr. Kanai Lal Ghatak, Ph.D. (Chemistry), Professor (Retd.)  
by Mr. Barun Banerjee, M.Sc. (Chemistry), Assoc. Professor  
by Dr. Rupendra N. Banerjee, Ph.D. (Chemistry), Professor

#### **Fundamentals of Mathematics**

by Dr. Debidas Chattoraj, Ph.D. (Mathematics), Professor

#### **Fundamentals of Physics**

by Mr. Ramsaran Bhattacharya, M.Sc. (Physics), Professor (Retd.)



## Version 2.0: In development

- New curriculum title: 'Fundamentals of Economics' (CBSE, ISC).
- Title 'Fundamentals of Business Studies' (CBSE).
- Multilingual course contents (i.e., Hindi, Bengali etc.).



- Enhanced voice over and 3D animated contents.
- Make contents available wirelessly anywhere in the country.
- Collaborative content development via cloud computing.

For additional information about Tioli Software or our future research or how we can be on assistance to you, please contact us in India 033.4004.2716 or in US at 001.770.289.7222. or drop us e-mail to [info@tiolisoftware.com](mailto:info@tiolisoftware.com)

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