

Design Research Project:

HISTORY OF DESIGN TIMELINE

Guide: **Prof. Mandar Rane**

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Visual Communication, 2012-2014

IDC IIT Bombay

INDEX

Approval Sheet	03
Declaration	04
Abstract	05
Introduction	06
What is Timeline?	07
Research & Study Methodology	08
Existing Timelines	09
Interviews	10
Content of Timeline	14
Design	15
Events	17
Learnings & Future Plans	22

APPROVAL SHEET

The project titled **'History of Timeline'** submitted by **Vishnupriya Kaulgud**, is approved for the partial fulfilment of the requirement for the degree of **'Master of Design' in Visual Communication**.

Guide: 

Date: 14/7/2014.

DECLARATION

I declare that this written submission represents my ideas in my own words and where others' ideas or words have been included. I have adequately cited and referenced the original sources.

I also declare that I have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/ data/ fact/ source in my submission.

I understand that any violation of the above will be cause for disciplinary action by the institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed,



Vishnupriya Kaulgud
IDC IITB 2012-14

ABSTRACT

A timeline is a display of events in an order that exhibits prominent trends and helps understand the reason for such occurrences. There have been several timelines available for art movements and design. However, most of these are meant to document the history that art and design charted in the West. There wasn't a cohesive timeline to display the evolution of design in India.

The aim of the project was to create a design timeline emphasizing on the evolution of design in India. However, it still tries to fulfill the key moments from the History of Design in the West in order to serve as a holistic reference for any design student in India. It focuses on typography and graphic design while covering the scientific, socio-economic, political, and art influences.

INTRODUCTION

Historic timelines, mostly linear and chronological, are a helpful quick reference to understand key moments and trends for any subject. They have often been helpful for academic and research purposes. The project of creating a History of Design Timeline was initiated with this very primary aim, i.e. to create a cohesive reference for any design enthusiast, which encompasses all the essential information about iconic designers and influential events.

However, during the study of existing timelines, it came to our notice that there have been several attempts to capture design history in the form of a timeline. However, most of these have been from the point of view of the 'Western World'— primarily Europe, Americas and Oceania. Most of these timelines had little or no information on Indian design. Therefore, this led us to aim at trying to record the evolution of design in India through our timeline.

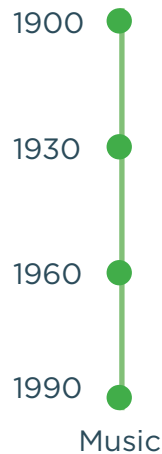
However, this was a fairly difficult task as very little is ever documented in India. Even though National Institute of Design, Ahmedabad has tried to document its own history but no timeline so far has tried to look at the basic course of design that has been in India thus far. Though, due to the time constraints and the nature of this project we chose to pick on the key moments to plot on the timeline instead of giving detailed information on each of these.

Design can never exist on its own. Much like Art, design can never exist in isolation and needs to be studied in context. Different trends and evolving ideologies in design are a result of various socio-economic or political changes. These may also be heavily influenced by the advancement of technology and people's responses to it. Thus, it was crucial for us to adapt that in the timeline. It was also a well thought out decision, as it is deemed necessary for designers today to understand this coexistence of design with the society.

WHAT IS TIMELINE?

A timeline is an actual picture of events that happened in history. Timelines can be LINEAR or COMPARATIVE.

(Ref.: <http://literacy.kent.edu/>)



A **linear timeline** shows a picture of events as they occurred in a certain period of time. Use a linear timeline for one subject and time frame. A linear timeline can be written horizontally or vertically.

A **comparative timeline** shows two or more subject areas which occurred at the same time; it shows readers the “big picture.” A comparative timeline might compare historical events in two or more countries or compare two or more subjects like music and art.

Defination: A representation or exhibit of key events within a particular historical period, often consisting of illustrative visual material accompanied by written commentary, arranged chronologically. (Dictionary meaning)

RESEARCH & STUDY METHODOLOGY

For research and study several existing timelines were referred. These timelines were not specific to just design but other fields too. The aim was to study existing timelines and understand the most comprehensible manner of information structuring and representation in order to define the approach for the project.

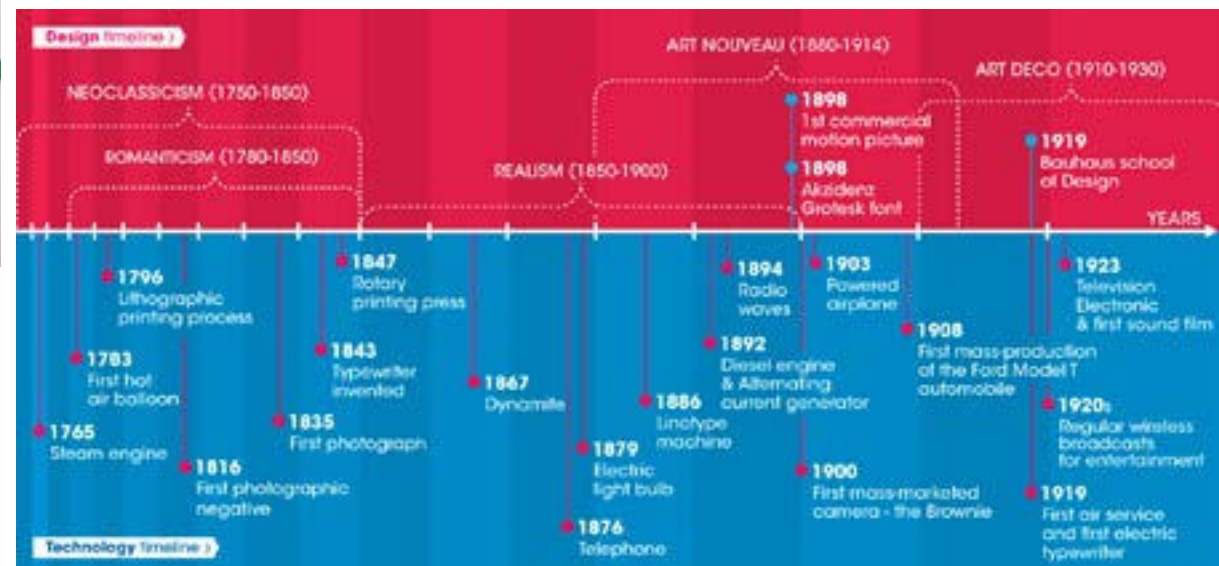
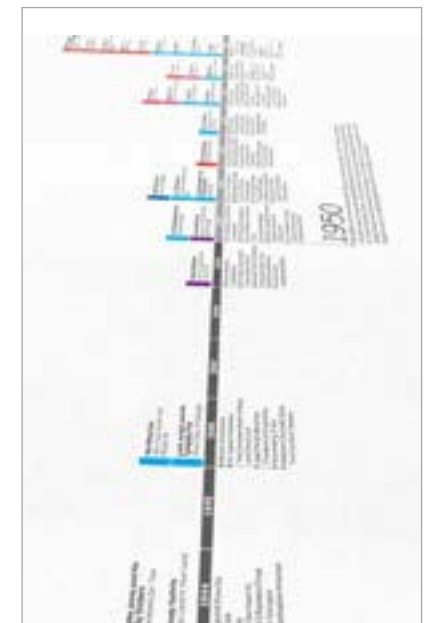
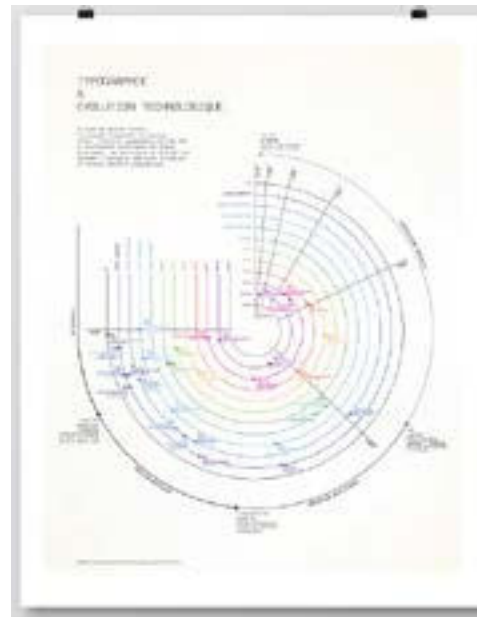
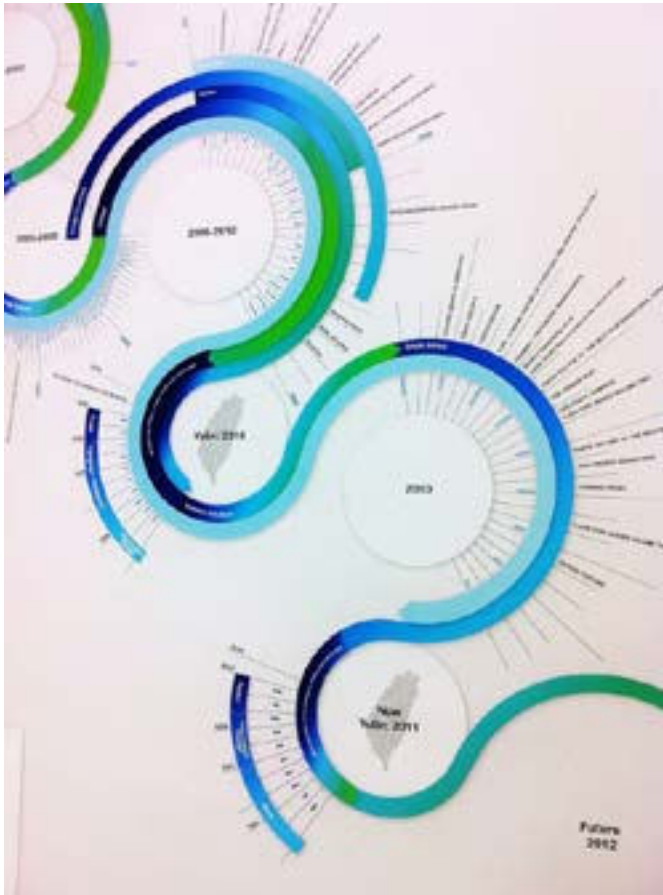
It was figured that in most extensive timelines, layering of information worked better. However, keeping in mind the target user, it was decided that layering would be prioritized as per the significance of the subject. Also the timeline in itself was used for chunking or division of the data. With the timeline in the center, generic design influences and events on top, and typographic timeline at the bottom – the division of information was done in order to aid comprehension.

Specific history of Art and Design timelines were also referred to in order to pick out key moments and influences during the history of design. These key points were also picked from journals, websites, and books. The more difficult task was to narrow down on the points which were absolute essentials in order to not overpopulate the timeline.

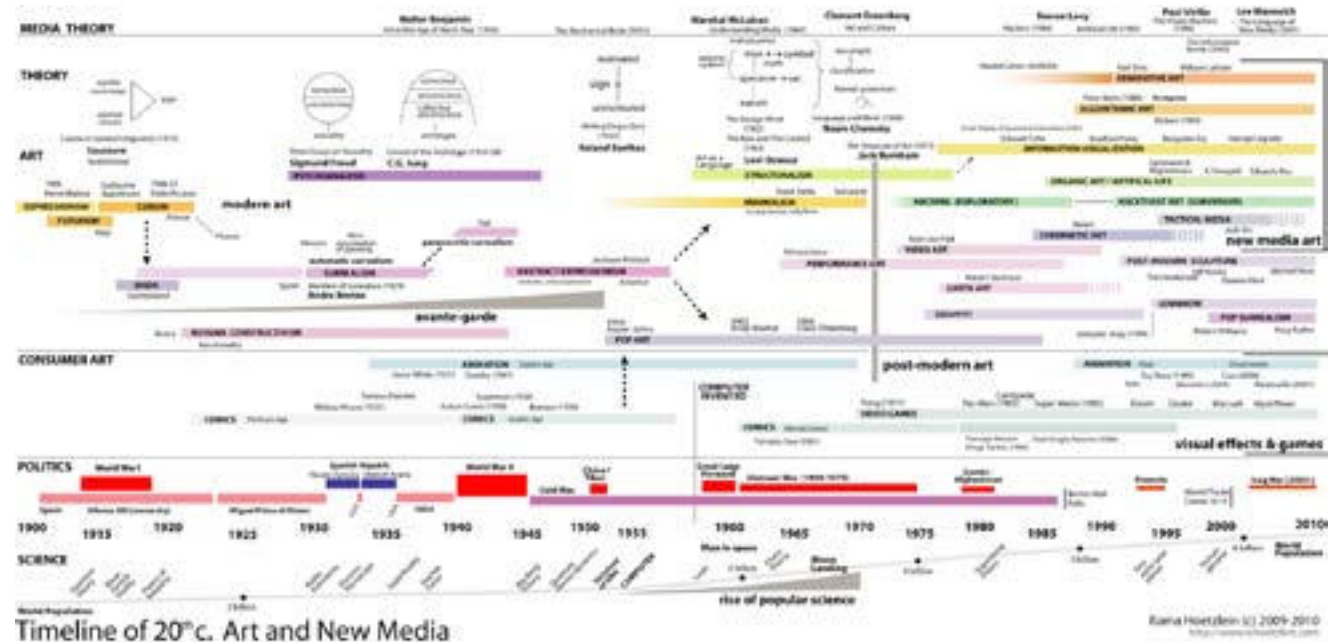
One of the bigger challenges was to get information that has not been documented especially about design institutes and key projects done in India. To gather this information a few professors and designers were interviewed. These are the people who have been a witness to the journey of design in our country. Prof. Sudhakar Nadkarni, who was a part of NID until he went on to establish Industrial Design Centre, IIT Bombay was interviewed by Prof. Sudesh Balan, who was generous enough to share it with us for reference. Prof. U A Athavankar, one of the first professors at IDC, was also interviewed to get information on key moments and projects done especially at IDC.

The other key reference was the webpage – Design in India, which is an initiative to document the design history, and various design resources, schools, associations, and industries in India.

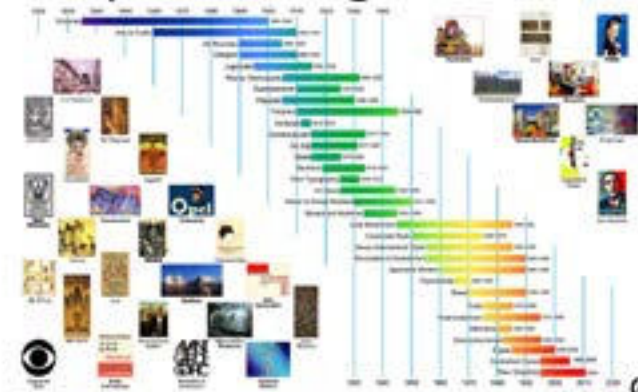
EXISTING TIMELINES



EXISTING TIMELINES



Graphic Design Timeline



THE POSTER IN HISTORY

A Graphic Design Timeline



INTERVIEWS

PROF. UDAY ATHAVANKAR

The modern movement and Bauhaus in which I was interested. I had no training in Industrial Design. In 1972-73-74 there were many draught in many rural parts. Hence he got connected to NGOs. There were many ideas discussed during that period about development. Many new books and people by whom we were influenced. There were books like 'Design for Real World'. Then we thought some India centric design could come up rather than to follow the abroad culture. And also we wanted to do things for our own and not copy anything. We spent a lot of time to make it a India centric model. The grounding for working for rural India, NGOs started from there. Three journals published at that time Output 1, 2, 3 in which problems and tackled problems were written about. The most famous article, which was talked about, was the 'Ghamela' (Containers for collecting cement and bricks) that construction workers used which is not seen as design problem at all. But we studied it and found many problems out of that. The focus changed purely because atmosphere at that time, national scenario as well as thinking promoted that idea.

Around 80's the period change and the political thinking changed and we also changed accordingly. We were not very industry oriented, as the industry itself was not developed. But our interest for working for poor, children, disabled have been thought.

Who joined when?

Prof. Nadkarni, joined initially then Prof. Athavankar joined, and after 6 months Prof. Chattopadhyay and Prof. A.G.Rao joined. After that Prof. Munshi then Prof. Kirti Trivedi then Prof. Bapat joined. Then we had another ergonomics where Prof. Ray came in early 80's.

Key projects In IDC

The first project came to IDC was my project, which was designing of the post box. It happened by luck where once Mrs. Indira Gandhi visited IIT and saw the project and said 'I want this outside my home'. So everyone made it happed and quickly stared manufacturing one. Now Prof. Chakravarthy has taken it up ahead and made new designs. The next big project was telephone. But that never came up. Voting machine was the next big thing, which was done by Prof. Rao and Prof. Poovaiah. I did my first game in 1973, which was rural development game. It helps farmer to understand farming and investment of farming. This game won international award but unfortunately no company manufactured it.

PROF. NADKARNI

Joined JJ School of Arts – applied arts – mentor Yashwant Choudhary (from JJ then joined London Central school of arts for graphics design) joined Siba in Switzerland then joined Siba in India – one of the best symbol designers.

Came back from UK – working together in advertising agency – Asked him to join HfG Ulm school in Germany – Industrial Design – philosophical and intellectual part of design – not skill based

Mr. Uggs Gujolo?! Was invited to NID. He asked Nadkarni to come back to NID – Gira and Gautum Sarabhai were heading NID. Got into teaching. Kumar Vyas – Product Design went to Ulm for 6 months – They both worked on Product Design program in NID – was to train designers – not an educational institute

Herbert Lindinger – Theoretical Guide – suggested academic programmes for NID – GDPD begun.

Gira and Gautum were in regular touch with people from outside India... people visiting

V N Adarkar – advisor at NID – director in JJ Govt. wanted to start a design school and Adarkar was the advisor – allocated space here in Bombay. He wrote to Nadkarni that Govt. wants to start a design institute in IIT.

Experimental thing for 5 yrs. – Bombay was the right place – Bimal Sen – Education Secretary, Govt. of India went to Ulm to discuss the starting of a design program in Bombay.

His degree in theoretical project – Design as a help/ assistance for a country like India.

When they started the design program – challenge was to figure out what should the structure be – whether or not to follow the Ulm basic design program or change it according to our environment. They changed quite a lot. Initially they had to follow it entirely as the time was short and they couldn't experiment with their own program. Another reason was that Ulm program was the most critical for our economy as we also had lack of resources and Ulm's philosophy was that we had to do the minimal thing... no exaggeration.. no redundancy in your design. All this required a good thought process and he thought it was very important to adapt this. Of course to improve the sensitivity of the designer we had to include other things like exposing students to outside painter and theater groups to develop their body language. Sociology was introduced in design for the first time. Ergonomics studio was a big thing as no other design school had an ergonomics studio or ergonomics lab – they were outsourcing these things.

Other IIT profs. Realized this is not just an artistic thing but a scientific and methodical program for problem solving. The process was much like engineering. They themselves suggested to make this diploma into a degree program considering the kind and amount of work undertaken by students.

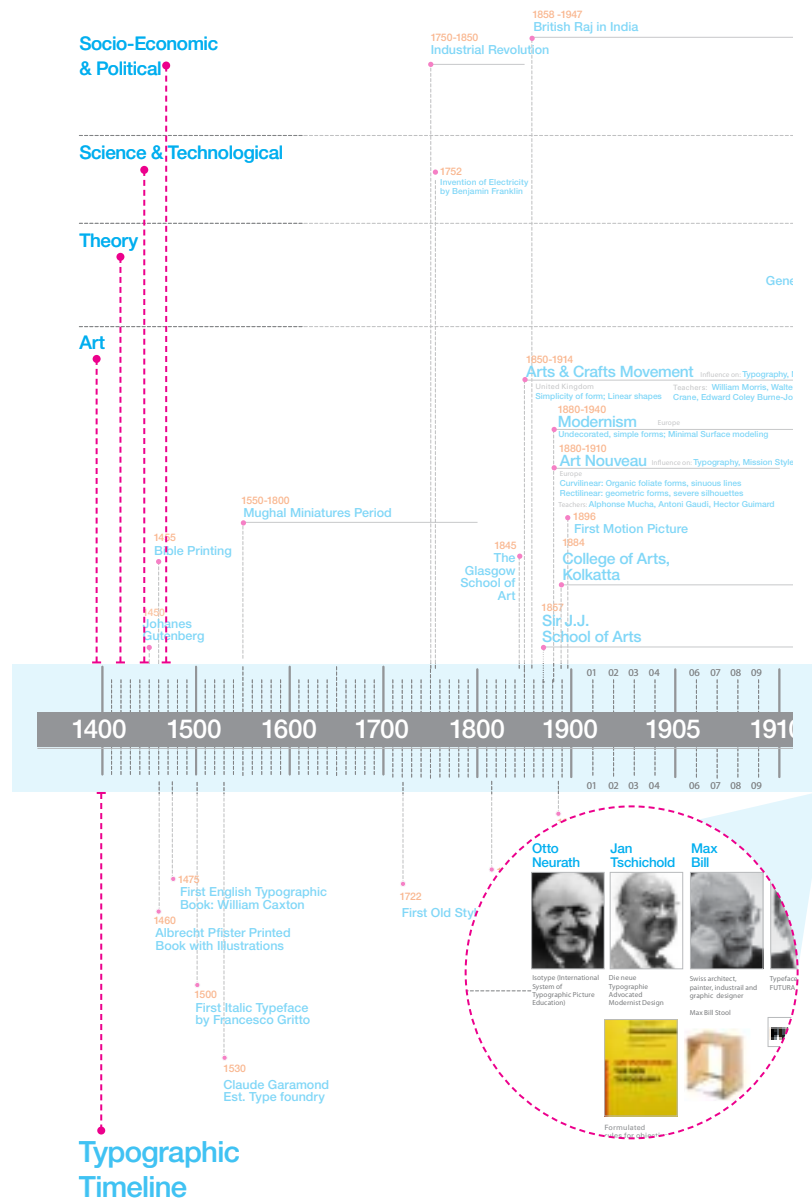
Success stories.

Interesting thing happened to IDC, within the few years of its inception was that it was, in Exceed Congress in Japan where the IDC program could be the model program was acknowledged as the best design model for all developing countries. Got full energy to see that the projects we take are of some sort of social relevance. They knew they could not lure the industry because they were more interested in serving the elite and no one wanted to do products for which will fetch them less benefit. However, they didn't realize if we mass-produce these products even they will be beneficial. They seemed to be influenced by the foreign agencies. And mostly a lot of engineers who were product developers at that time used to bring products from western countries and they used to duplicate them under their names. There was no initiative by them to develop their own products and try it out as it involved a lot of risk and investment in it. But ultimately one gets a lot of benefit from all these things since you are developing product for your own requirement. And this market was big. Now they realize these things.

They never developed the culture of innovation and development. Therefore we lost a lot of time during the innovation period in copying and even we weren't strong enough to enforce this thought onto the industry and show them how this could really benefit our economy.

Good thing that happened was a lot of our students went into different directions. They starting working with the industry and started showing some sort of a result. Somewhere heading the institutions – eg. NID: Pradyuman Vyas was an IDC student, Srishti – Kumkum Nadig; symbiosis design, MIT pune – IDC students are heading. India is backward in a lot of ways and in his opinion the western influence can not really affect us much because there are still many areas that need basic design intervention. Then we wanted to get into Service Design and system design – not just think about the solution but how to implement the solution.

Why the coming technology will not really affect us is because design is the core and we have to develop our own agricultural, scientific and medical equipment and therefore there are a lot of areas to be explored. So the influence will be for good and not for disadvantage.



CONTENT ON TIMELINE

The timeline is divided into two major parts where the top half features generic design and art influences, and events in different fields; and the bottom half is a typographic timeline with key typographers and design books that seem essential.

This division of information was done in order to aid comprehension by avoiding cluttering of all the information only along one axis. Also in the top section of the timeline the order of placement of influences are as per importance where Art movement influences and generic design events come first. As we move up along the Y-axis it goes to various theories that have been adapted by design, to technological advancements that altered the approach towards design, followed by the socio-economic and political changes that influenced the trends and focus in design over the years.

CATEGORIES:

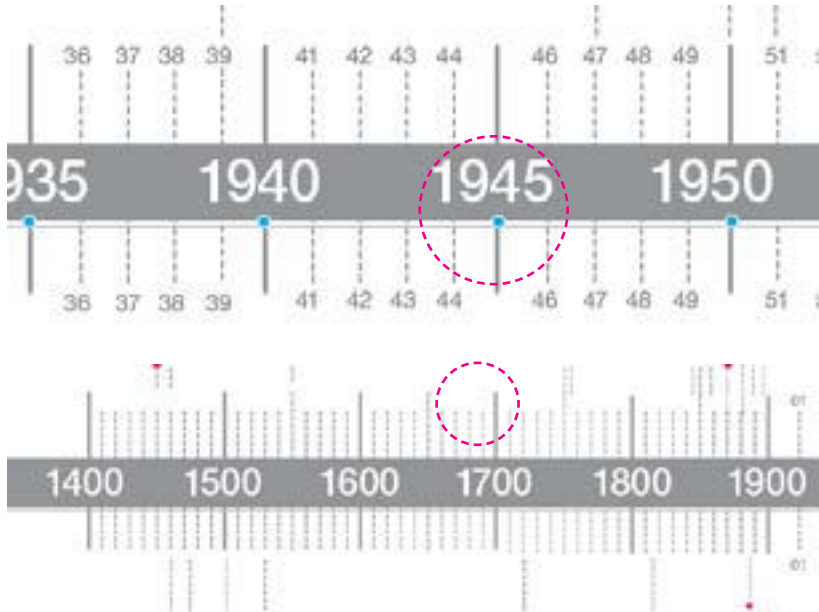
PART 1

Socio-Economic & Political
Science & Technology
Theory
Art

PART 2

Typographic Timeline

DESIGN

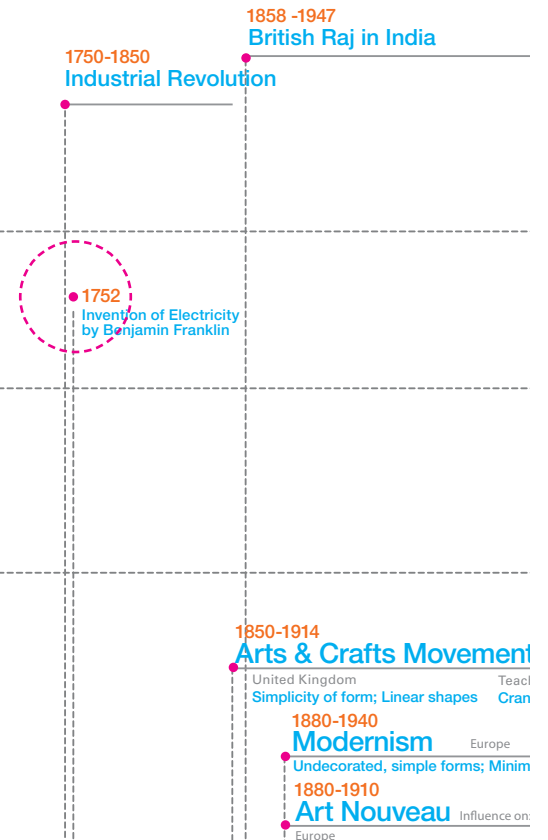


Socio-Economic
& Political

Science & Technological

Theory

Art

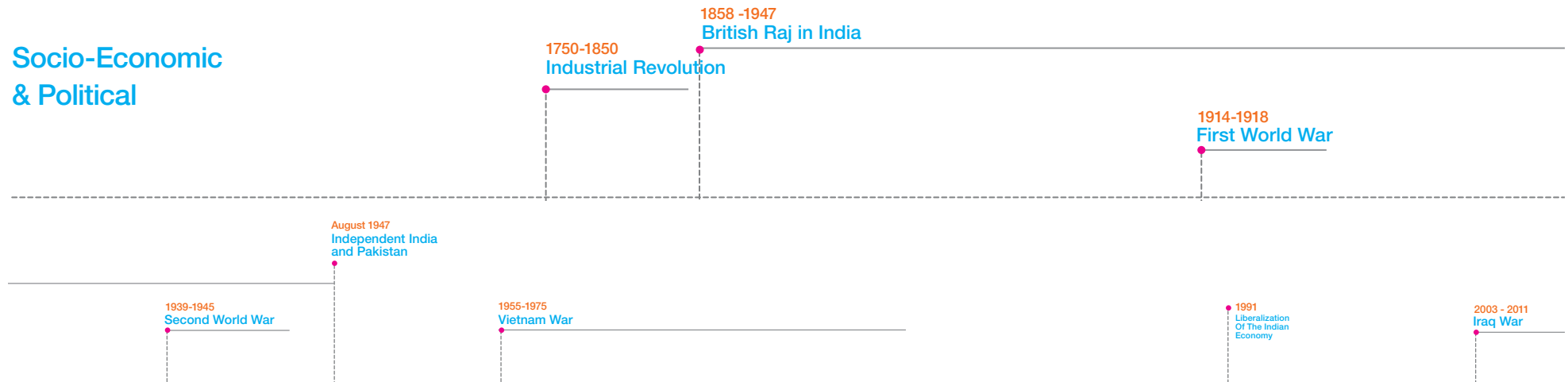


EVENTS

SOCIO-ECONOMIC & POLITICAL

DATE	EVENTS
1750-1850.....	Industrial Revolution
1858-1947.....	British Raj in India
1914-1918.....	First World War
1939-1945.....	Second World War
1947.....	Independent India and Pakistan
1955-1975.....	Vietnam War
1991.....	Liberalization Of The Indian Economy
2003-2011.....	Iraq War

Socio-Economic & Political



SCIENCE & TECHNOLOGY

DATE	EVENTS
1752.....	Invention of Electricity by Benjamin Franklin
1951.....	Colour Television
1957.....	First Computer Released
1969.....	First Computer Mouse - Douglas Engelbart
1984.....	First Macintosh Introduced
1995.....	Internet Introduced
2001.....	iPod introduced
2010.....	iPad introduced



THEORY

DATE

EVENTS

1915.....Lectures on General Linguistics
1920..... Gestalt Theory of Visual Perception
1960.....Structural Information Theory - Emanuel Leeuwenberg



ART

DATE

EVENTS

1450.....	Johanes Gutenberg
1455.....	Bible Printing
1550-1800.....	Mughal Miniatures Period
1845.....	The Glasgow School of Art
1850-1914.....	Arts & Crafts Movement*
1857.....	Sir J.J. School of Arts
1880-1940.....	Modernism*
1880-1910.....	Art Nouveau*
1884.....	College of Arts, Kolkatta
1896.....	First Motion Picture
1913.....	Kala Bhavan
1919.....	Bauhaus*

*ABOUT ART MOVEMENTS

Each Art Movement had a definitive time period which is specified in the timeline. It also gives information about the countries in which it initiated or was observed, the key teachers of the movement, and key descriptive features specific to each art movement.





TYPOGRAPHIC TIMELINE

Important persons, books, events who has contributed in Typography has been majorly covered here.

Some of them were:

Otto Neurath

Isotype (International System of Typographic Picture Education)

Jan Tschichold.....

Die neue Typographie Advocated Modernist Design

Paul Renner.....

Typeface designer FUTURA

.....& many more.

LEARNINGS & FUTURE PLANS

- Construction of a Timeline
- About linear & comparative Timeline
- Many important events in history of design
- The timeline needs to be more crisp
- Visually it should look more appealing; Colourcoding for each category or periodwise separation many such things need to be worked upon
- Typographic Timeline part can be extended
- Many more India related designs and institute information can be included

THANK YOU