

DRIVE

Monthly eNewsletter

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CHARUTAR VIDYA MANDAL'S

S.G.M. English Medium college of Commerce &
Management

SEMCOM



VISION: *To contribute to the societal enrichment through quality education, innovation and value augmentation.*

MISSION: *To build up a competitive edge amongst the students by fostering a stimulating learning environment.*

DREAM: *To establish a unique identity in the emerging global village.*

GOALS:

- *To focus on integral development of students.*
- *To offer courses and programs in tune with changing trends in the society as a whole.*
- *To update the curriculum as per the need of the business and industry.*
- *To create unique identity in the educational world at the national as well as international level.*
- *To institutionalize quality in imparting education.*
- *To incorporate innovations on a continuous basis in the entire process of education at institutional level.*
- *To create platform for the students for exhibiting their talent and for development of their potentials.*
- *To generate stimulating learning environment for students as well as teachers.*
- *To build cutting edge amongst the students to withstand and grow in the competitive environment at the global level.*

The overall mission is reinforced by the Punch Line

“WHAT WE THINK, OTHERS DON’T”.

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Editorial Board:

Dr. Waheeda Thomas	Chief Editor
Dr. Nishrin Pathan	Managing Editor
Mr. Sunil Chaudhary	Executive Editor
Ms. Reshma Pathak	Technical Editor

FROM THE CHIEF EDITOR'S DESK:

In a globalized economy, with huge volume and variety of goods and services from the manufacturers and service providers of different countries, competition has intensified. Markets for various resources be it natural resources, financial resources, production resources and human resources are very competitive. Business Organizations are needed to analyse their business environment, identify their core strengths and limiting factors or weaknesses to capitalize of market or business opportunities and effectively tackle business environment challenges. Corporate Management are needed to redefine their vision, mission and business objectives and initiate innovative marketing strategies to maintain and enhance their market offerings market share, brand equity, customer satisfaction and customer delighted leading to higher customer life time value. Education is also undergoing change with increased focus on class room teaching made more effective by learning by doing, experiential learning, internships, industrial visits, project report preparation and presentation, business stimulation activities like entrepreneurship development programs, mentoring, training on various aspects of business be it accounting, finance, marketing, human resource management, innovation to mention a few. In an era of information technology revolution, proper management of information holds a key for effective decision-making and management of various resources. Reading, Writing, Communicating, Comprehension skills, Numerical Skills, Presentation skills, Managerial and Leadership skills to state a few, will be much in demand to effectively manage organizations be it business organizations or non-business organizations like social organizations, non-profit organizations etc.

The current issue has article on SWOT Analysis highlighting, the analysis of the strengths and weaknesses, as well as opportunities and threats in the business environment, a vital strategic tool both for individuals and the businesses and the corporate. . Human Resources can use SWOT Analysis as a tool to enhance their possibilities of career progression, career growth and career advancement. Another article on Cloud Accounting explains Cloud accounting which is also known as online accounting, software as service, web-based accounting etc. Under this style of accounting there will be remote server which process and save the accounting data. The article on Team Foundation Server (TFS) explains Microsoft's TFS (Team Foundation Server) provides source code management, requirements management, project management, automated builds, testing and release management, and reporting capabilities. It supports full application lifecycle management and helps organizations communicate and collaborate more effectively throughout the process of designing, building, testing and deploying software.

Business and Technology landscape is rapidly changing with the emergence and development of

concepts like biotechnology, robotics, artificial intelligence and mobile technology, mobile commerce to mention few. The success of business and economic progress of society increasingly depends on innovations, research and developments, with concept of sustainable development and ecological ethics.

By:

Dr. Waheeda Thomas
Principal
SEMCOM.

IQAC Corner:

Research Article:

Innovative Practices in Quality Education: A Remark with Virtual Brainstorming

Abstract:

The future of our economic growth is dependent on learning opportunities providing new generation with a stronger quality education. The present study focuses on the need and importance of education in contemporary environment. The study portrays issues, ways and significance of innovative practices in quality education, especially for Indian scenario. To meet the global challenge, some of the tools for quality education are discussed. The significance of virtual brainstorming is dealt to incubate quality learning through removing barriers. It is concluded that the innovation is the iterative for quality education where e-pedagogy, e-learning and e-methods are the best suited means. The practice requires innovative tools to gain attention to implement reforms in competent Indian education system.

Introduction:

Searching for quality in every aspect is truly an effort for getting advantage of building significant contribution. Quality accounts for perfection. Education is a key catalyst to achieve millennium goals so that we ease the access to opportunities in the global knowledge economy. As per UNICEF report (2000), quality education for child includes well-nourished learners, healthy environment, Outcomes that encompass knowledge, skills and attitudes, and are linked to national goals for education and positive participation in society.

In all aspects of the school and its surrounding education community, the rights of the whole child, and all children, to survival, protection, development and participation are at the centre. This means that the focus is on learning which strengthens the capacities of children to act progressively on their own behalf through the acquisition of relevant knowledge, useful skills and appropriate attitudes; and which creates for children, and helps them create for themselves and others, places of safety, security and healthy interaction (Bernard, 1999).

Establishing a contextualized understanding of quality means 'including relevant stakeholders'. Key stakeholders often hold different views and meanings of educational quality (Motala, 2000; Benoliel, O'Gara & Miske, 1999). Indeed, each of us judges the school system in terms of the final goals we set for our children our community, our country and ourselves (Beeby, 1966). Life learning skills is the main component of quality education.

Quality content refers to the intended and taught curriculum of schools. National goals for education, and outcome statements that translate those goals into measurable objectives should provide the starting point for the development and implementation of curriculum (UNICEF, 2000).

National Innovation Council (NInC) of India believes on promoting creativity and incentivizing innovations through Indian educational institutions is a first step towards broadening and deepening the impact of innovations in Indian society and economy. In large scale education systems, catering to a vast population with relatively limited resources, this is a major challenge. Recognising the fundamental role of education in nurturing and fostering an ecosystem of innovation the National Innovation Council is engaged in a series of initiatives to encourage innovations in existing educational institutions – universities, colleges and schools, as well as promoting new educational models and innovative platforms for knowledge creation, dissemination and application. Some of the key proposals of the NInC in this domain include:

Creation of a separate scholarship stream of National Innovation Scholarships analogous to the National Talent Search Scheme.

Setting up an Innovation Centre in each DIET (District Institute of Education and Training) to enhance teacher training and enable them to become facilitators of creativity and innovative thinking.

Mapping of Local History, Ecology and Cultural Heritage by each High School in the country to create critical thinking on their local environment by students.

Setting up a Meta University, as a new model for a 21st Century University where a network of institutions riding on the National Knowledge Network come together to offer students a collaborative and multidisciplinary learning experience.

Setting up twenty Design Innovation Centres co-located in institutes of national importance.

Setting up University Innovation Clusters

Igniting Youth Innovation with TodFodJod Centers at Schools and Colleges. To Foster Innovation at an early stage and to create an innovative mindset in the youth, NInC has proposed the creation of TodFodJod (TFJ) Centres in Schools and Colleges. The aim is to provide a hands-on learning environment where students can de-construct, re-construct or re-purpose everyday objects that they see or use.

Indian and Foreign Education System: A Difference

It is ingrained in the minds of Indian children that the purpose of education is to find a suitable job. This creates an impression on the minds of these children which is difficult to correct at a later stage. Many a times individual aptitude towards any interests in any particular area is sacrificed in the pursuit of a degree, which makes them only job ready.

Foreign education, on the contrary in general and western education in particular focuses more on individual interests, learning abilities and aptitude towards any vocations. The purpose of foreign education system is not to land a job to make a living but holistic development of individuals. The performance measurement and grading system in foreign countries encourages blooming of individuals talents in diverse fields and does not restrict children to mere classroom studies. Both approaches have their pros and cons while education system might create more professionals it definitely needs to broaden its scope and focus more on grooming tomorrow's citizens who can lead the country in all areas. Foreign education system is more liberal in its attitude which can sometimes prove counterproductive.

The concept represents the culture of Indian education which is narrow in comparison to the world or the education in developed nations. As the education mentality is job driven, the tools required for the quality education are limited to the specific education to the technical, commerce and management side. The genuine demand and understanding of the contemporary education requires wider scope at the beginning of the education which can be marked as interest driven.

Tools for Quality Education:

The tools are concerned with equity and inclusion. Equity is related to securing all children's rights to, within and through education, so they can realise their potential and aspirations (Wilson, 2003). Accenture Research (2009) has identified six indicators to compare countries practices- Importance of ICT, Structured Approach, Infrastructure in place, Teacher training, Integration into curriculum and Piloting innovative technologies. The study found that Korea and Singapore are ahead of the curve. The research concludes to adopt the right strategy through the signified process identifying, need, ecosystem and then right strategy.

Comparing Indian education system with other developed countries is a way to analyse the facilities and innovation in education. The education system from basic to higher, professional and vocational education produces and affects the quality learning and pedagogical advancement. The better way is not only to control the students but also the educator through assessment and updates in the field of enquiry.

There should be a focus on research and new arrivals in education system, not only in Indian context but also with the world over comparison. The quality staff, qualified faculty and techniques like smart classes are required in the today's education system to build confidence among students. Moreover, the aptitude series could be a best effort of any institution in extracting the talent and interest of an individual for the particular field.

Quality education surpasses from both the sides. From the educator and scholar as well to provide and to get feedback so the strong education system can be built. The existing tools and techniques like classroom lectures, theoretical contents, explanations through lectures are base to build mind set are necessary and the advanced techniques through the practical approaches with inclusion of internet, media, conferencing, digital classes makes sure the attention. Rather it is difficult to generate an environment of virtual learning at once for a while which turns soother after more work on proving significance of quality enhancement.

Some other observed innovative tools for education with quality learning are-

- Keen aspects of topic with relevant practical examples,
- Basic knowledge and understanding on topic with feedback at every level,
- Two way session
- Smart class with smart board
- Research and analysis
- Identifying root cause of problems and implement changes

Virtual Brainstorming:

An individual success is the achievement of quality education through innovative tools in the modern era. The efforts should be there from classroom brainstorming to the virtual brainstorming where we have lot more chances to get ideas and to break the stereotypes. Unlike face-to-face brainstorming sessions where you've helped groups achieve some truly breakthrough thinking, this time there just isn't time or money to bring these people together physically. The approach beyond simple teleconferencing that will enable innovative new ideas to flow freely across a distance. Virtual brainstorming offers some different challenges and opportunities that a learner need to prepare for.

The significance here for quality education strives for limitless alternatives on a topic or for an issue. The approach processes the discussion with argumentation, through opinions and references that allow an individual to learn and extract the proper and perfect sense on the issue. It reduces plagiarism and calls for attention on dimensions that could be a specific segment under study. It is observed through discussions that many creative products, thinking, new concepts and theories are developed through the parallel sessions going on. These experiences made up with ideas to exemplify a manner that drive a tool which was further considered to include in an existing one in order to improve quality.

Conclusion:

Quality education collectively brings a certain advantage to people for their life as well as to give motivation to others for forever learning and updating. Indian education scenario is reformed with enhanced literacy level after independence. The question is not for the literacy only but to produce quality for national image.

It is not always right to say that premier institutions produce quality. Indian premier institutions like IIMs, IITs and other recognised institutions are offering education to quality people. That is never mean that these are lacking in quality education but there is another factor when providing ample number of opportunities and quality learning with recognised and experienced faculty. Another side covers the basic education what is provided in the school level in very beginning. The quality aspects seeks for right, proper and justified education which never combine over burden on students exceeding the capabilities of learning. Electronic means are required by candidates to understand the contemporary world and technology revolution where virtual brainstorming allow to make them more creative, error free and perfect.

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Title of the Book: Quality Footprints – Sustainable Development of Higher Education Insitutions

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By:

Mr. Chandan Medatwal

Research Scholar, University of Kota,

Kota

E-mail: chandanmedatwal@gmail.com

SEMCOM IQAC Updates:

SEMCOM Celebrated 21st Annual Day

Charutar Vidya Mandal's SEMCOM College celebrated 21st Annual Day on 9th March, 2018.

The annual day was graced by honorable chairman Charutar Vidya Mandal Shri Bhikhubhai Patel as President of the function. Mr. R. S. Sodhi was Chief Guest of the function. Vice President of Charutar Vidya Mandal Mr. Manish Patel as Guest of Honour, Honorary Secretary Charutar Vidya Mandal Dr. S G Patel, Director General Charutar Vidya Mandal Dr. Nikhil Zaveri were special guest. Principal SEMCOM Dr. Waheeda Thomas welcomed the Guest and presented the academic report of the year 2017-18. Vice President of Student's Council Dr. Preeti Luhana presented the activity report of the year. Chief Guest Shree R.S. Sodhi in his speech highlighted the role of AMUL in resolving the poverty and improving their standard of living of the farmers. The Best Student Female award was given to Ms. Shivani Mishra & the Best Student Male award was given to Shlok Swani. Recognizing the contribution of Alumni SEMCOM, Enlighten Alumni award was given to Mr. Rushab Patel & CA Urjesh Terayai.



My Voice: SWOT ANALYSIS

The SWOT Analysis, the analysis of the strengths and weaknesses, as well as opportunities and threats in the business environment, is a vital strategic tool both for individuals and the businesses and the corporate. In the highly competitive global markets of today, SWOT Analysis is a must for business planning and business strategy formulation. Human Resources can use SWOT Analysis as a tool to enhance their possibilities of career progression, career growth and career advancement. Human resources can use their strengths be it creativity, imagination, inventiveness, communication skills, leadership skills, technical skills, managerial skills to mention a few to benefit from the business environment opportunities, be it launch of new market offerings, developing innovative marketing strategies to face competition or to enhance market share. Human resources can identify their weaknesses and make a conscious effort to reduce them or overcome them. Human resources need to anticipate threats in the business environment be it technological obsolescence, outdated knowledge and skills and take proactive steps to tackle them or overcome them. SWOT Analysis as a strategic tool enables the human resources to go for self intro inspection, to identify strengths to be capitalized on, weaknesses to be overcome, opportunities to be grabbed and taken advantage of and the threats to be anticipated and tackled in the process of career planning and career progression.

The concept of comparative advantage, which can also be a business advantage and customer advantage is applicable to both business and human resources. Human resources through continuous education, training and development must keep on enhancing and upgrading their skills and knowledge to survive and prosper in a competitive business environment. Being versatile in skills and specialized in knowledge at the same time, can work wonders for the human resources of today. It is imperative for the human resources to identify their strengths be it leadership skills, managerial skills, communication skills, writing skills, interpersonal skills, technical skills, conceptual skills to mention a few and capitalize on them. It is also vital to keep on developing new strengths both for the human resources and the business organization, through continuous training and development programs, organization development programs to face the challenges posed by the changing business environment. Business Environment be it domestic business environment, global business environment is always changing, be it changes in economic environment, demographic environment, cultural environment, political environment, technological environment and natural or physical environment to mention a few. The success of the business firm(s) and the human resources depends on the understanding of the changes in business environment through business environment monitoring, business environment scanning and the SWOT analysis of the business enterprise(s) and changes in the business environment.

SWOT analysis can enable the business organization(s) to critically evaluate their existing businesses, which business are profitable and in the high growth markets, which business are unprofitable, what

is the core competency of the business enterprise, what is the level of competition, whether to diversify business or to focus on core business etc. The concept of comparative advantage which should also be business advantage and customer advantage enables the business organization to look for the new competencies, improvement in the existing business processes and the market offerings to stay ahead in the competition, to ensure customer satisfaction, achieve sales volume and the market share goals.

Transactional Analysis, role playing, case study method, brain storming method etc. to mention a few helps in developing Executive Development Process. Transactional Analysis a managerial technique aimed at developing better interpersonal skills developed by Eric Berne, enables better understanding of the self and the others both in the work environment and in the family, helps in developing better interpersonal relations among people in the work setting through understanding of the ego states involved in the transactions and promoting adult-adult complimentary transactions. Role Playing develops empathy and better understanding of the employee role through playing out the roles of a given situation without memorization of speech and spontaneous playing of the role. Examples include Salesman-Customer interaction, Management-Labour Negotiation etc. The Trainer provides the feedback about the positive and the negative aspects of the role enacted by the participants. Case Study Method involves a case based on the real business situation, the participants are required to read the case, identify the business problems given in the case, and develop alternative solutions to solve the case problem(s). Case Study Method helps in developing the decision-making and analytical skills of the participants. Brain Storming Method involves a group of business executives of similar rank and position, discussing on the business problem, with the goal of generating as many business ideas as possible to solve the business problem(s) and then screening of the business ideas to solve the business problem(s). Criticism of the ideas given by the participants is not allowed as it hinders the process of idea generation. Brain storming method is divided into two stages, Idea Generation Stage and Idea Screening Stage. Brain Storming Method helps in developing the creative skills of the participants to solve the business problems.

Human Resource Performance Appraisal involves self-appraisal. SWOT Analysis by human resources can enables them to capitalize on their strengths, overcome their weaknesses, capitalize on the opportunities and overcome the threats posed by the business environment.

By:

Mr. Sunil V. Chaudhary

Assistant Professor

SEMCOM

Accounting Aura:

Cloud Accounting

With development of internet, under accounting also, the concept of online accounting has emerged for last few years. Cloud accounting which is also known as online accounting, software as service, web-based accounting etc. Under this style of accounting there will be remote server which process and save the accounting data. Under this technique, the firms are not required to maintain any server or any software. Firms need to pay monthly or annual subscription only to do their accounting. The concerned employees can access the data from anywhere and at any time with help of internet. They may use laptop, tablet or smart phones to access the data. The accounting software will be function on line only on internet and save the data on the remote server. This is a new concept and getting popularity especially among small firms and entrepreneurs.

Because of the following advantageous points of cloud accounting the concept is getting popularity:

1. There will be ease in accessing the data as at any time, at anywhere the data can be accessed with help of internet.
2. There will be saving of cost as firms will not be required to update their software neither the firm will require to increase size of its storage.
3. The data can be made more safer as physically at office premises data will not be available. No hard disc or computer will have accounting data. Even any type of theft cannot steal the data. No manual or natural calamities also destroy the data.
4. For beginners, there will be no cost of storing space and maintaining the data as well as upgrading to new level for storage and software with use of cloud accounting
5. The data can be accessed at multiple locations at a time which is again an advantageous point of cloud accounting.
6. The cloud accounting gives an opportunity to select the software features as per your need. You need to pay for only those features of software which are used by the you. Firms which are just beginning can opt for basic plan and then the more number of features can be added gradually with increase of size of business.
7. The data under cloud accounting will be private and protected. No undesired person can access the data because of high level of security and verification methods.
8. The cloud accounting software provides opportunity for back up of data.
9. The option of monthly subscription will be helpful to firms in managing their financial situation.

However following points are against the development of cloud accounting.

1. The remote server under cloud accounting may be located anywhere in world. It is a possibility that the stored data may be accessed at the located server without knowledge of the firm by third parties.
2. It is possible that there will be restriction as far as application features are concerned. There will be no customization of the software under cloud accounting.
3. Normally, cloud accounting software do not provide backup facility to its customers because of the service providers' strategy of working style.
4. The small firms may find it costly to have cloud accounting as their tool for accounting need.

(Reference: online sources)

By:

Mr. Pratik Shah

Assistant Professor

SEMCOM

BITS & BYTES

Team Foundation Server (TFS)

Introduction

Microsoft's TFS (Team Foundation Server) provides source code management, requirements management, project management, automated builds, testing and release management, and reporting capabilities.

It supports full application lifecycle management and helps organizations communicate and collaborate more effectively throughout the process of designing, building, testing and deploying software.

It can use Team Foundation Version Control or Git. It works best with Microsoft Visual Studio. However, it can be used with many IDEs (Integrated Development Environments). It is available in two different forms: on-premises and online through Microsoft's cloud platform, Microsoft Azure.

Architecture

TFS is built using WCF (Windows Communication Foundation) Web Services. The main container is the project collection database that contains a group of Team Projects. This multi-tier architecture is extremely scalable. The project collection databases are aggregated into the warehouse database that allows complex trend reporting and data analysis. It can be integrated with other enterprise level Information System.

Extensibility

As TFS is built as SOA (service-oriented architecture), it can be used by any client that can consume web services. It supports approximately 20 preconfigured alerts (e.g., work item was changed) and allows to configure additional alerts as needed by team.

Clients

TFS supports Visual Studio 2010, Microsoft Test Manager (MTM) 2012 and their later versions. It also supports Microsoft Excel and Microsoft Project for bulk update, bulk entry and bulk export of work items, It allows bi-directional updates of data, for example, project managers can put a schedule in MS Project which can be imported into TFS and when developers update the work, the schedule in project can be updated. With TFS 2012, it also supports Microsoft PowerPoint to enable rapid storyboard development for Requirement Phase that allows building prototype interface linked with work items. It also supports Feedback Client that allows users to exercise an application and allows to provide contextual feedback to the development team. The Power Tools for TFS include a Windows shell integration so that users can perform basic tasks by right-clicking on a file or folder such as to check files in and out.

Work items

A Work Item is a heart of TFS. It can be work that needs to be accomplished, a risk to track, a test case, a bug, etc. Work items are defined through the XML documents and are combined into a Process Template. User can use one of the built-in templates or third party templates which can be further customized. Work items can be linked to one another using different relationships. Work items can also be linked to external web pages or documents. Work items can also be linked to source code, specific versions of items in source control, build results, and test results. These extensible linking capabilities ensure the bi-directional traceability from requirements to source code to test cases and results which helps in Auditing and understanding of changes.

Source Control

TFS supports two different types of source control: Team Foundation Version Control (TFVC) and Git.

TFVC

TFVC is a centralized version control system to store any type of artifact. It supports Server Workspaces and Local Workspaces. Server workspaces allow locking files for check-out and allow getting notification that files are being edited. Local workspaces were designed to avoid "read-only" and "server-connectivity" problems associated with Server Workspaces. The files that are on the developer's local machine can be updated without server connectivity and conflicts are resolved at check-in time.

To improve performance TFS includes the ability to install Proxy Servers which allow source control contents to be cached at a site closer to the developers to avoid long network trips. However, Check-ins are still performed directly against the TFS application tier so the Proxy Server is most beneficial in read scenarios.

TFS supports a number of features that ensures that checked-in code follows Check-in Policy (configurable rules). For example, Changeset Comments Policy which will not allow a check-in unless the developer enters a check-in comment. These policies are extensible and can be used to examine all aspects of the Work Item being checked in.

Git

TFS 2013 supports for Git, a standard implementation based on the libgit2 library that powers the popular GitHub. The code is freely available from GitHub. Thus, any Git client can now be used natively with TFS.

As now, source code cannot be moved from a TFVC repository to a Git repository. However, using the

Git-TF tool, a Git repository can be moved to a TFVC repository.

Reporting

Reporting infrastructure consists of a SQL Server based data warehouse. Any tool which can access to these data sources such as Cognos, Tableau, and Excel can be used as reporting tools. The reports may be based on pre-defined templates or can be created newly using Report Builder or may be modified from existing reports. It also supports light-weight real-time reports.

Team Build

TFS includes Team Build, a build server application which consists of two components MSBuild and Windows Workflow Foundation.

MSBuild is a declarative XML language. Windows Workflow controls the overall flow of the build process. TFS includes many pre-built workflow activities for managing common tasks that are performed during a build. The build system is extensible and users can create their own workflow activities

The build process can be configured extensively, for example, if the build succeeds, the code is checked in on behalf of the developer who submitted the code. If the build fails, the developer is notified to fix the code.

The build process in TFS supports traceability. It provides integrated view, to tester, of what code was changed in each build, which are bugs, PBIs and other work changed from build to build.

Reference:

https://en.wikipedia.org/wiki/Team_Foundation_Server

By:

Dr. Kamlesh Vaishnav

Associate Professor

SEMCOM

Book Review

Book: HOMO DEUS: A Brief History of Tomorrow

Author: ~ Yuval Noah Harari

Book Reviewed by: Dr. Hemant Antani at Book Worm's Club Meeting.

**Compiled by: Anushree Antani
Student BBA-ITM – Semester – III**

Homo Deus, an awaited sequel of the book 'Homo Sapiens', is the bible of our futuristic world. After the huge success of his former book Sapiens, which elegantly puts forth the History of mankind citing the reasons why the Homo Sapiens ruled the planet, Harari's second book is an engrossing, indulging and compulsive inquiry into humanity's apocalyptic and tech-driven future. The book clearly satiates your thirst for knowledge and curiosity. The author, in his masterpiece-HOMO DEUS, has established his thoughts on the dangers looming over mankind in the future.

Professor Harari was born in Haifa, Israel, to Lebanese parents in 1976. He received his Ph.D. from the University of Oxford in 2002 and is now a lecturer at the Department of History at the Hebrew University of Jerusalem.

He specialized in World History, medieval history and military history.

Prof. Harari is also a teaching faculty at MOOC (Massive Open Online Course). He was invited to teach a course that no one else in the faculty fancied – a broad-brush introduction to the whole of human activity on the planet. That course became a widely celebrated book, *Sapiens*, championed by Mark Zuckerberg, Bill Gates and Barack Obama, and translated into 40 languages. It satisfied perfectly an urgent desire for grand narrative in our fragmenting Buzz-fed world. The rest is macro-history.

Prof. Harari twice won the Polonsky Prize for Creativity and Originality, in 2009 and 2012. In 2011 he won the Society for Military History's Moncado Award for outstanding articles in military history.

According to Yuval, unlike previous revolutions (Agricultural, Industrial) which did not change the form of human body, we are all set for a new revolution – the Biological Revolution – which will change the biology of humans.

Bio-engineering, Artificial Intelligence have already started dictating our lives. Harari predicts that Homo Sapiens will lose its identity and be transformed into Homo Deus.

The book comprises three main parts, each embodying the fate of humankind and its vulnerability in the future.

The first part involves the relationship between Humans and Animals in an attempt to comprehend what makes our species so special. Yuval feels it is very important to remember our origins at a time when we seek to turn ourselves into Gods. Moreover, the relationship between human and animals is the best model we have for future relations between Super humans and humans.

Based on first part, the second part of the book examines the bizarre world Homo Sapiens has created in last millennia and path that took us to our present crossroads.

The final part comes back to early twenty first century. Based on deeper understanding of humankind, it describes our current predicament and our possible futures.

Harari is mostly, thrillingly or chillingly, sanguine about this prospect. He has an ethicist's sense of rough justice: what *Homo sapiens* (in its wisdom) has visited on the natural world through industrialised food production will perhaps one day be visited on *Homo sapiens*. Individuals will become a just a collection of "biochemical subsystems" monitored by global networks, which will inform us second by second how we feel...

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Contribution:

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OR

Mail at:

S. G. M. English Medium College of Commerce and Management (SEMCOM),
Opposite Shastri Ground,
Vallabh Vidyanagar - 388 120.
Gujarat
India

Tel. No. : +91 2692 235624, 231811

Fax. No. : +91 2692 235624

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