



DEI-DEP NEWS

"All matter originates and exists only by virtue of a force which brings the particle of an atom to vibration and holds this most minute solar system of the atom together. We must assume behind this force the existence of a conscious and intelligent mind. This mind is the matrix of all matter."



- Max Planck

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From the Coordinator's desk

In previous few editions of the Newsletter, we have described various facets of the changing landscape of Higher Education both in the world and in India which help us in visualising as to what the Universities of the future would look like. It needs to be stated that there is lack of consensus on some issues. For example, it has been claimed that Education 4.0 (the most advanced and recent version of education) has changed the role of teacher from being a knowledge provider (with the student being a passive recipient) to the teacher being content creator and at best a facilitator or a mentor and the student has complete flexibility to be the architect of his / her own learning path. Against this backdrop, the views expressed in the year 2021 by the President of IE /ie University of Madrid (Spain) on 'Reinventing Higher Education'[1] are noteworthy. According to him "..... The main engine for the transition to a more flexible and adaptable learning world has to be, naturally, the faculty and staff The key to success in any educational format is not the technology, nor the contents. These are necessary components of online learning, but they quickly become commodities. It is the experience orchestrated by the faculty, instructors and coaches, be it presential or remote, that makes the difference". The author continues – The post-pandemic world enhances adaptation and change. Professionals will live blended lives and the work environment will become increasingly hybrid and liquid /"fluid" (including gases). Hybrid formats including Trinity of Past-Present-Future which advocates Trinity-Within Trinity-Within Trinity....Ad Infinitum and various online forms of delivery are here to stay because they provide better results than just traditional presential learning.

In another publication originating from the IE University [2], it is stated that the future lies in liquid /"fluid" learning, which has the qualities of adaptability, flexibility and fluidity as opposed to the traditional way in which higher education is organised in what is termed as 'Solid Modernity'. The IE (Instituto de Empresa) University, Madrid is based on the liquid learning model which is claimed to be [2] a transformational, comprehensive, holistic and interactive educational experience that transcends single learning methodologies and platforms by blending together physical and digital learning ecosystems.

** i.e. Solid, Liquid & Gaseous Emissions (for reducing Carbon foot-print/Greenhouse Gas Emission | US EPA, of futuristic AI & Robotics, also referred to as Cobotics (vide Carnegie Mellon University's Penn State Quakers)

It may be recalled that another model for higher education – the Ecological University – described in earlier editions of the newsletter as being deeply committed to the communities around them and exceptionally committed to the needs of the students to bring about a better world has also been hailed as a promising model for higher education.

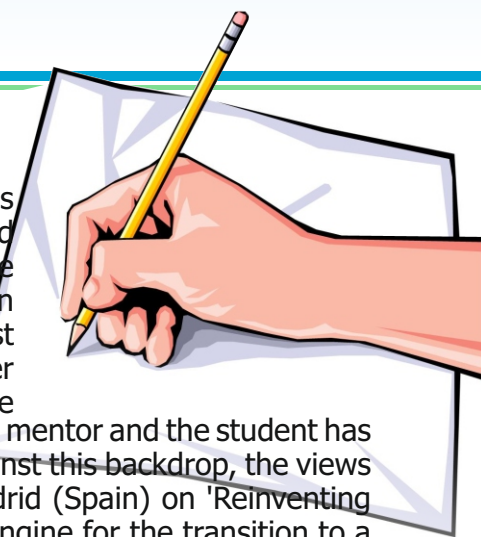
DEI Model of Education , not only provides Coop.Education but also promotes Coed.Education (Gender-free Education for Human-beings and even other Living-beings):- thus bringing into existence: Fifth Industrial Revolution/Re-evolution (with the potential to feed healthy "Lacto-vegetarian" diet to estimated 11 Billion Human Population of Planet Earth), by realising the popular phrase "Healthy, Wealthy & Wise" among Mankind/Humans. (What Neuroscientist Dr. V. Natrajan famously characterises, "Dayalbagh & DEI futuristic framework model for transformation from Homo-sapiens to Homo-spritualis!" Society):- Power Law of "Sahej" (i.e. Easy) Ultra-transcendental Meditational Practices, notably Sponsored by Dayalbagh (Religious Society) & DEI (Charitable Educational Partner), for the last 41 years, since 1981 through Central Govt. of India Ordinance dated 16.05.1981.

(Prof. V.B. Gupta)

References:

- [1] Retrieved from: <https://www.linkedin.com/pulse/higher-education-2022-challenges-trends-santiago-iniguez/>
- [2] Retrieved from: <https://docs.ie.edu/center-for-corporate-learning-innovation/publications/Liquid-Learning-on-Times-of-Liquid-Modernity.pdf>

Note:- The printed material highlighted in BLUE is by the Most Revered Prof. P.S. Satsangi Sahab, Chairman, Advisory Committee on Education)



Industrial Revolutions

In some previous editions of the Newsletter, we have dealt with the changing landscape of higher education in terms of the evolution of education from Education 1.0 to Education 4.0 and of Universities from University 1.0 to University 4.0. In view of the large impact that industry has on education and vice-versa, in this issue we will consider Industrial Revolutions that have or are expected to make a significant difference to human life.

First Industrial Revolution [1]

(Industry 1.0)

The First Industrial Revolution was marked by a transition from hand production methods to machines through the use of steam power and water power. The implementation of new technologies took a long time, so the period which this refers to was between 1760 and 1820, or 1840 in Europe and the United States. Its effects had consequences on textile manufacturing, which was first to adopt such changes, as well as iron industry, agriculture, and mining although it also had societal effects with an ever stronger middle class. It also had an effect on British industry at the time.

Second Industrial Revolution [1]

(Industry 2.0)

The Second Industrial Revolution, also known as the Technological Revolution, is the period between 1871 and 1914 that resulted from installations of extensive railroad and telegraph networks, which allowed for faster transfer of people and ideas, as well as electricity. Increasing electrification allowed for factories to develop the modern production line. It was a period of great economic growth, with an increase in productivity, which also caused a surge in unemployment since many factory workers were replaced by machines.

Third Industrial Revolution [1]

(Industry 3.0)

The Third Industrial Revolution, also known as the Digital Revolution, occurred in the late 20th century, after the end of the two world wars, resulting from a slowdown of industrialization and technological advancement compared to previous periods. The production of the Z1 computer, which used binary floating-point numbers and Boolean logic, a decade later, was the beginning of more advanced digital developments. The next significant development in communication technologies was the supercomputer, with extensive use of computer and communication technologies in the production process; machinery began to abrogate the need for human power.

Fourth Industrial Revolution [2]

(Industry 4.0)

Industry 4.0 paradigm is mainly based on the integration of advanced technologies such as Artificial Intelligence, robotics, big data, cloud computing, the Internet of Things, the Internet of Services, and 3D printing in the industry to automate and digitalize manufacturing processes.

The various industrial revolutions have always led to major upheavals in all activities of human life, especially in the field of education. With Industry 4.0, it has become imperative for educational organizations to move towards a new revolution: Education 4.0.

At this stage it is highly significant and noteworthy that the Most Revered Prof. Prem Saran Satsangi Sahab, Chairman, Advisory Committee on Education and Spiritual Leader of Radhasoami Faith (Dayalbagh) has announced [3] the ushering in of the fifth Industrial Revolution – Industry 5.0 – and I can do no better than present it in His own words:

Lacto – Vegetarianism: practiced by Estimated Stabilized approximately 1 Billion Population, holds the capacity of feeding requisite healthy diet to 11 Billion people on Planet Earth in Solar System based Milkyway Galaxy; and promising Imperishable Existence in Purely Spiritual Domain (Articulative Ra-Dha-Soa-Aah-Mi Faith) via Unity-with-Duality-at-Will: thus ushering – in the Fifth Industrial Revolution (through Continuing Pursuit of Digitisation / Discretization); while the World at Large, still talks about Coping – Strategy for Inevitable Merger with the nearest Orbiting Marsian Galaxy (even preparing for dumping International Space Station Debris at Point Nemo for surviving Dissolution & Great Dissolution predicted by the Modern Scientific Community; without the Benefit of Escalative / Escalatory "Fail-Safe" Options through Ultra - Transcendental Meditational Practices of Radhasoami Faith (inherent in Microcosm of Every Living Human Brain) as duly Identified by Modern Neuro – Science; for transiting to the Purely Spiritual Domain. Beyond Nature (Macrocosm); endowed with Infinite Degrees of Freedom in Physical & Astral Domains; Ruled separately, as well as jointly, by MAYA & KAAL; in collusion, as it were.

The online meeting of the Academic Council of DEI held on 24th / 27th May, 2022 resolved that research will be undertaken on adopting Dayalbagh way of life to feed 11 billion people world-wide through lacto – vegetarian Agro – ecology & Precision-farming approach. Reference [4] may also be seen in this context.

- Contributed by Prof. V.B. Gupta
Coordinator, DEI Distance Education Programme

References:

- [1] Wikipedia – The Fourth Industrial Revolution – 12.09.2021
- [2] Mamadou L Gueye, Ernesto Expósito. University 4.0: The Industry 4.0 paradigm applied to Education. IX Congreso Nacional de Tecnologías en la Educación, Oct 2020, Puebla (Mexico), France. hal-02957371 (<https://hal-univ-pau.archives-ouvertes.fr/hal-02957371/Document>)
- [3] e-book titled "Consciousness Studies in Sciences and Humanities: Eastern and Western Perspectives" contracted on 10th May, 2022 for publication by Springer Nature, Switzerland
- [4] e-book titled "Macroeconometric Methods: Applications to the Indian Economy", contracted to be published by Springer Nature, Singapore, as communicated on 30.07.2022 by e - mail by Prof. (Dr.) Pami Dua, Director Delhi School of Economics.

NEWS FROM DEI

MOU Signing Between DEI and Central Silk Board on 20th June, 2022



Mr. Rajit R. Okhandiar, the CEO and Member Secretary, Central Silk Board, Bangalore, Ministry of Textiles, Government of India, who is on a five-year deputation from M.P. Forest Service (he stated that he will go back to M.P. Service when he completes his tenure after a few months), came to DEI to attend the MOU signing function. First he visited the set-up in the Central Office premises where skill training is given. The Treasurer of DEI along with Dr. Parul Bhatnagar [Emeritus Faculty, Department of Drawing & Painting, Faculty of Arts](#) showed him the set-up.

The MOU signing function was organized in the International Seminar Hall.

After the Institute prayer, Prof. V.B. Gupta welcomed the dignitaries present in the Meeting and also the trainers and trainees assembled in the adjacent Seminar Hall connected through supervised video conferencing [mode](#).

He told the audience that Textile Designing & Printing and Dress Designing & Tailoring were two certificate level programmes which had been designed at DEI and after being conducted in the Main Campus for several years, were introduced in the distance mode in 2006 and 2008 respectively. A very large number of female students registered year – after – year for these programmes all over the country in several study centres.

Prof. Gupta then described how the local tribal population in Rajaborari estate has been trained and organized to become entrepreneurs in Apparel design and tailoring. He also mentioned that Block printing, Tie & Dye and Screen-printing training have been provided to a large number of trainees under different schemes of the Textile Ministry of GOI in other centres in the country like Visakhapatnam, Panvel, Faridabad, Bhopal, Kolkata, Mirzapur and Agra.

Then he presented a brief outline of the present MOU which is designed to impart training on three aspects (all related to silk) viz. Block printing of silk fabrics, Computer – aided textile design and Apparel design and tailoring. The Textile Ministry will help the students in getting jobs in the industry. He mentioned that this capacity-building exercise is in

consonance with the objectives of DEI's distance education programme, viz to bring the tribal people into the mainstream.

The Chief Guest Mr. R.R. Okhandiar, CEO of Central Silk Board recalled that his association with the Late Mr. Anil Oberoi and his visit to Rajaborari had convinced him that the dedication present in the work culture of Dayalbagh is the best route to achieving targets. The National Skill Development Mission of the government was very ambitious and across all sectors, a few crores of skilled persons had to be produced. The Textile sector target is also very high and a lot of funds are available for capacity building of skilled persons. DEI can play an important role in this. He was of the view that with a lot of "Abadi" land, **distinct from Forestry Land** in Rajaborari, DEI could also get into sericulture in a big way.

The President of DEI, Mr. G.S. Sood read out the portion on the mulberry plantation from page 73 of the book '100 years of Dayalbagh – Garden of the Merciful' which concludes by stating that a fairly large programme in this area was discontinued in Dayalbagh because it involved the killing of the silkworms.

He also spoke of such training schemes leading to trainees becoming entrepreneurs.

The MOU was then signed by the Registrar, DEI and Mr. Dasharathi Behera, Assistant Secretary of the Central Regional Office in New Delhi. The inauguration was done by the lighting of wicks. After this Dr. Parul Bhatnagar gave vote of thanks and the function concluded with the DEI Song.

News From Information Centres

D.E.I. Information Centre Roorkee Celebrates International Yoga Day

The 8th International Yoga Day (21st June, 2022) was celebrated at D.E.I. Information Centre Roorkee, in which a large number of students, staff, and guests participated. The programme commenced with the University prayer and was based on the International Yoga Day protocol. In his welcome address, the Centre in Charge, Prof. V. Huzur Saran briefly emphasized the significance of yoga in our lives. This was followed by a Yoga and Pranayam session conducted by Mr. V. Agam, an alumnus of D.E.I. and a certified yoga practitioner. Organic herbal tea, grown in the Centre, was served to all the participants. The event was duly covered in the print media.

Jamshedpur Centre Students' Participation in Yoga Programmes



The students of Jamshedpur centre participated in the AICTE's Yoga Programme “virtually” from 2-17 June 2022 and then on the International Yoga Day on 21st June 2022. They used to perform Yoga at their residential places under the guidance of the Yoga Experts by joining the online link provided by AICTE-ATAL Academy and daily shared a minimum of two images in Yoga Postures. The students thoroughly enjoyed and appreciated this programme.

Extended Class Room of Gomti Nagar, Lucknow Centre at Satsangi Colony, Lucknow, to Offer DD&T Programme for Families of Martyrs of CRPF and Housewives of their Staff



The Lucknow Centre team had contacted CRPF Wives Welfare Association at the CRPF Group Regional HQ, which is situated only 2 kilometres away from the Satsangi Colony. The Association had requested DEI to offer the DD&T Programme at the Satsangi Colony for the families of martyrs of CRPF and housewives of their staff so that they can become self-reliant. Gracious approval to offer the DD & T Programme was kindly granted.

In the coming session (2022-23), a batch of students from the CRPF Colony is expected to attend DD&T Programme following the rules of the Institute at the Extended Class Room in Satsangi Colony in which adequate facilities are available. The regular DD&T programme will continue to be conducted at the Gomti Nagar Centre.

Industrial Visit for DD&T students, Gurgaon Centre



An Industrial Visit was arranged for the students of DEI Gurgaon Centre at a reputed garment manufacturing factory at Gurgaon, viz. M/s Pearl Global Ind. It exports the merchandise globally, including countries like the USA, Canada, the UK and the Middle East. The students visited the entire factory and saw the following functions/facilities at the factory: Raw material storage, Master Pattern section, Cutting section,

Production- Sewing section, Embroidery section, Quality control and Shrinkage testing facility. Inspection-Packaging-Despatch section, The students were technically enlightened and had a good understanding of garment making. The visit was a leap forward towards a practical educational experience.

Inaugural Function of Yamaha Training school, Electronics Lab, Textile Designing & Printing Lab at Dayal Nagar, Visakhapatnam



A joint Inaugural function of setting up of the Yamaha Training school, Electronics Lab and Textile Designing & Printing Lab was organised at DEI Information Centre, Dayal Nagar, Visakhapatnam on 12 June 2022. The event was conducted in the Virtual Mode as well. The Andhra Radhasoami Satsang Association's Regional President, Prof. V.V.G. Sastry and Regional Secretary, ARSA, Shri. G. Ramesh Babu, were present at the event. The function was presided over by Shri. M. Preetam, Deputy Gen. Manager, Zonal Service Head, South Zone, Yamaha Motor India Sales (P) Ltd and Shri. Naveen Bhaskar, Asst. General Manager, Education Dept, South Zone Yamaha Motor India Sales Pvt Ltd.

Director DEI, Prof. Prem Kumar Kalra, Prof. Anand Mohan, Registrar, DEI and Prof. C. Patvardhan, Dean, South Zone, DEI, participated in the event through Virtual Mode.

The programme started with the Institute prayer and thereafter Prof. V.V.G. Sastry inaugurated the building. To seek the blessings of the Almighty, two *Shabd*s were recited by the DEI staff members.

The meeting started with the introduction of the dignitaries to the gathering by the Centre In Charge Shri. V. Dakshina Murthy. Further, he gave a brief introduction to the history of Yamaha Shed. Shri. M. Preetam, Deputy General Manager, was invited to address the gathering and explain the procedure of training and placements of the students on finishing the training of one year.

Prof. Anand Mohan also addressed the gathering, followed by Prof. C. Patvardhan, who highlighted the importance of Education in DEI.

Prof. V.V.G. Sastry, the Chief Guest of the occasion, informed the audience about the history of DEI Information Centre, Dayal Nagar, Visakhapatnam and congratulated the Centre In Charge and staff members, along with the other members connected with the Centre, for rendering their co-operation and services in making the event a grand success. The function ended with the university song "Hey Vishwa Vidyalaya".

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