

April 2024

NEWSLETTER



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Technologies, Production Systems and Management Models for Universal Human Order

Right understanding of harmony at all levels of living provides us the vision for a holistic development and humane society, which is focused on the wellbeing of all (undivided family and universal human order). With this holistic world vision, one is able to work for developing appropriate technologies, production systems and management models etc. which cater to the fulfilment of such a vision. In the present times, there is a great zeal for the development and adoption of innovative technologies and systems, tools, techniques and models which are intended for the 'betterment' of society. More and more sophistication and complexity is being added. However, most of the effort is going on under the influence of the dominant world view (limited to materialistic perception); needless to say that the holistic world-vision is missing in such efforts. As a result, both the structure as well as the use/misuse of these innovations, are often proving to be counterproductive, contrary to the long-term human welfare. Therefore, there is a strong need to develop technologies and systems with holistic objectives governed by right understanding to render them conducive to sustainable human welfare.

A Holistic Criteria for Evaluation

There is a need to develop a holistic criteria for evaluation of technologies and systems which can serve to ensure a humane society. Some of the criteria can be:

- Catering to appropriate needs and lifestyles
- Eco-friendly (cyclic/renewable and mutually enriching)
- People-friendly- ensuring self-development and mutual fulfillment in human beings
- User-friendly – safe, economical, and enhancing human capability

In addition, these have to promote local self-sufficiency and optimal utilization of local resources and expertise. As far as possible, emphasis has to be on naturally available processes and systems. In the light of these broad criteria, specific criteria for Evaluation can be broadly defined for the area of technologies, production systems and management models as follows:



UHV can bring Peace and Prosperity to Mankind and the Planet

4th Lecture on Universal Human Values at VTU

This UHV input represents the bare minimum requirement. He said, "If we successfully implement it in our college and university, gradually expanding it to the entire state and our nation, we can confidently share this achievement with the rest of the world... UHV has the potential to bring peace, and prosperity for mankind and the planet"

– Prof. Anil D Sahasrabudhe.

Visvesvaraya Technological University
(State University of Govt. of Karnataka Established as per the VTU Act, 1994)
"Jnana Sengama" Belagavi- 590 018, Karnataka, India

VTU- UHV Cell
Presents Monthly Lecture Series-IV
ON
How Universal Human Values bring Peace & Prosperity for Mankind & Planet
20th April, 2024, Saturday from 10:30 AM to 12:00PM
through online mode

Speaker:  **Prof. Anil D Sahasrabudhe**
Chairman of NBA, NEFT, EC-NAAC
Former Chairman, AICTE, New Delhi

Presided by:  **Prof. S Vidyashankar**
Hon'ble Vice Chancellor
VTU, Belagavi

Gracious Presence: **Dr. B E Rangaswamy** Registrar, VTU | **Dr. T N Srinivas** Registrar (Eval), VTU | **Smt. M A Sapna** Finance Officer, VTU

Event Coordinator: **Dr. H R Sudarshana Reddy**
VTU- UHV Coordinator &
Regional Director (I/c), VTU Bengaluru

Visvesvaraya Technological University (VTU) in Karnataka, in addition to quality education in engineering, aims to emphasize ethical principles transcending cultural and geographical boundaries and promote harmony and empathy among its 220 engineering colleges. Overall, the UHV program at VTU seeks to instill ethical values in students, fostering a more collaborative and empathetic society that values peace, prosperity, and sustainability. In this context, it has been conducting a monthly online lecture on Universal Human Values (UHV) since 10th November 2023.

The fourth lecture in this series was held on **20th April 2024**, and featured **Prof. Anil D Sahasrabudhe**, an eminent scholar, Chairman of the National Educational Technology Forum (NETF) and Chairman of the National Assessment and Accreditation Council (NAAC) and Chairman of the National Board of Accreditation (NBA). Dr. H R Sudarshana Reddy, who serves as the UHV Coordinator and Regional Director of VTU, extended a warm welcome to the distinguished guests. Professor S Vidyashankar, the Honorable Vice Chancellor of VTU, eloquently presented opening remarks. After the lecture, Dr. Preeti Patil extended a vote of gratitude



UHV ACTIVITIES ACROSS THE COUNTRY IN APRIL 2024

INTRODUCTORY UHV FDP IN APRIL (5-day, online)



01-05 April in English, successfully attended by 126 participants.

UHV-II FDP IN APRIL (6-day, online)



15-20 April in English, successfully attended by 35 participants.

Link for registration: <https://fdp-si.aicte-india.org/verifiedProgramDetailsList.php>

UHV-II FDP IN APRIL (5-day, face-to-face, self-funded)



08-12 April 2024

SRM Institute of Science and Technology,
Chengalpattu, Tamil Nadu.

Language | English

Resource person | Mr. Umesh Jadhav

Co-facilitator | Ms. Lipika Mitra & Ms. Supraja P.

Observer | Dr. R. Gowri Shankar Rao

Successfully attended | 95



INTRODUCTORY UHV FDP IN APRIL (3-day, face-to-face, self-funded)



04-06 April 2024

Karmaveer Kakasahaeb Wagh Polytechnic,
Nashik, Maharashtra.

Language | Hindi

Resource person | Mrs. Nidhi Sachade

Co-facilitator | Ms. Preeti Jain

Observer | Dr. Swati Jadhav

Successfully attended | 58

08-10 April 2024

Aditya Silver Oak Institute of Technology,
Ahmedabad, Gujarat.

Language | Bi-Lingual

Resource person | Dr. Ela Manoj Dedhia

Co-facilitator | Dr. Manilal Amipra

Observer | Dr. Jayesh J. Patel

Successfully attended | 41



24-26 April 2024

Amrita Vishwa Vidhyapeetham, Chennai,
Tamil Nadu.

Language | English

Resource person | Dr. Yashwant Patil

Co-facilitator | Dr. Infanta Mary Priya

Observer | Dr. A. Prabhakaran

Successfully attended | 65



UPCOMING UHV EVENTS IN MAY 2024



Introductory UHV FDP (5-day, online)

13-17 May 2024 in English

20-24 May 2024 in Hindi



UHV-II FDP (6-day, online)

27 May - 01 June 2024 in English

Link for registration: <https://fdp-si.aicte-india.org/verifiedProgramDetailsList.php>



Introductory UHV FDP (3-day, face-to-face, Self-funded)

01-03 May 2024 at GNIOT Institute of Management Studies, Greater Noida, Uttar Pradesh.

02-04 May 2024 at Dev Bhoomi Uttarakhand University, Dehradun, Uttara Khand.

10-12 May 2024 at RNS Institute of Technology, Bangalore, Karnataka.

12-14 May 2024 at Sri Venkateswara College of Engineering, Bangalore, Karnataka.

14-16 May 2024 at HKBK College of Engineering, Bangalore, Karnataka.

15-17 May 2024 at Institute of Public Enterprise (IPE), Hyderabad, Telangana.

15-17 May 2024 at Faculty of Engineering and Technology, DMIHER, Wardha, Maharashtra.

15-17 May 2024 at the National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh, Panjab.

16-18 May 2024 at Lovely Professional University, Phagwara, Panjab.

16-18 May 2024 at Sethu Institute of Technology, Virudhunagar, Tamil Nadu.

27-29 May 2024 at Jamia Hamdard, New Delhi.

29-31 May 2024 K. S. Rangaswamy College of Technology, Namakkal, Tamil Nadu.

30 May-01 June 2024 at SRM Institute of Management and Technology, Modinagar, Uttar Pradesh.



UPCOMING UHV EVENTS IN MAY 2024



UHV-III UHV FDP (8-day, face-to-face, Self-funded)

01-08 May 2024 at SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu.



UHV-II UHV FDP (5-day, face-to-face, Self-funded)

06-10 May 2024 at Kalinga Institute of Industrial Technology Deemed to be University, Bhubaneswar, Orissa.

14-18 May 2024 at Anna University, College of Engineering Guindy, Chennai, Tamil Nadu.

15-19 May 2024 at Gandhi Institute of Technology and Management, Visakhapatnam, Andhra Pradesh.

21-25 May 2024 at Royal College of Engineering and Technology, Thrissur, Kerala.

UHV=Universal Human Values, UHV-I=Introduction to Universal Human Values, UHV-II=Understanding Harmony and Ethical Human Conduct, AICTE=All India Council for Technical Education, NCC-IP=National Coordination Committee for Induction Program, FDP=Faculty development Program, MoU=Memorandum of Understanding, SDP=Student Development Program, MDP=Management Development Program, LDP=Leadership Development Program, RP=Resource Person, NC-UHV= National Committee for Universal Human Values



Technologies, Production Systems and Management Models for Universal Human Order

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Criteria for Technologies

- Catering to real human needs (of both the body and the self)
- Compatible with natural systems and cycles
- Facilitating effective utilization of human body, animals, plants and other natural materials
- Safe, user-friendly and conducive to health
- Low cost and energy efficient
- Producing with local resources and expertise as far as possible
- Promoting the use of renewable energy resources
- Enhancing human interaction and cooperation
- Promoting localization
- Enhanced Durability, life cycle and recyclability of products

Criteria for Production Systems

In determining the type of production systems, the key questions to be answered are:

- What to produce?
- How to produce?
- For whom to produce?
- How much to produce?

These questions (issues) have been discussed while studying about the harmony in society- human goal and its fulfillment through different dimensions of the societal system.

So, the needs are to be characterised in consonance with the comprehensive human goal and they have to be fulfilled through human systems defined there.

- All these will be decided in the context of availability of local natural resources and expertise to cater to the needs of the people for any given community.

Specific Criteria for Production Systems

- Optimal and efficient utilization of local resources and expertise, including human beings, animals, air, solar, land, water, other bio and mineral resources etc.
- Economic viability and sustainability
- Priority for local consumption
- Matching the pattern of production with the availability/ producibility in the local environment and the pattern of consumption
- Local (decentralized) systems capable of meaningful employment of people in the community
- Facilitating production by masses and not mass production in a centralized mode, to the extent possible
- Promoting individual creativity and sense of accomplishment
- Using people-friendly and eco-friendly technologies
- Ensuring requisite quality and quantity of production
- Harnessing recycling, conservation and reuse possibilities
- Safe and conducive to the health of persons involved in production as well as others. Ultimately it should be conducive for self-development.



Technologies, Production Systems and Management Models for Universal Human Order

Criteria for Management

Primarily management models are to be relationship based, cooperative and ensuring justice in terms of mutual fulfillment and not coercive and exploitative. Specifically,

- The whole unit working as a well-knit family
- Cooperative, motivational and mutually fulfilling
- Ensuring correct appraisal of human labour and skills
- Targeting employer-employee satisfaction as well as consumer satisfaction and not profit maximization
- Sharing of responsibility and participative mode of management
- Continuous value addition (self-evolution) of the persons involved
- Effectively integrating individual competencies and complementarity is.

An Appraisal of the Prevailing Systems

When we look at the prevailing systems, they do not appear to be fulfilling the holistic criteria listed above. An appraisal of the prevailing systems shows the following:

- Present-day systems have been largely developed under the influence of the dominant world view (limited to materialistic perception).
- This has caused menace of resource depletion on one hand and environmental degradation manifesting in the form of pollution and global warming etc. on the other.

- The other undesirable characteristics of modern technologies and systems include their centralized configurations, promotion of wastefulness, excessive transportation and substitution of human, animal and other natural resources by man-made gadgets, machines and materials (largely dependent on non-renewable energy sources).
- It has given a lower priority (no priority) to human development and human fulfillment as far as human consciousness is concerned.

Learning from the Systems in Nature and Traditional Practices

To gain an insight into the holistic systems, we have a lot to learn from systems of nature and from traditional practices. Typically,

- The water harvesting and storage and utilization systems through ponds and other artifacts
- Traditional agricultural practices
- Grain storage and food preservation practices
- Systems of sharing food and shelter prevalent in social and religious institutions, e.g. langar
- Traditional local remedies and health-care techniques
- Yoga, Ayurveda, Naturopathy-based and other traditional healthcare systems
- Family based rural enterprises
- The Jajmani system – relationship-based village system to ensure rural self-sufficiency Rural craft and artisanal practices



Technologies, Production Systems and Management Models for Universal Human Order

Visualizing a Holistic Model – Working Towards it

It is high time that we start working for actualization of the model of human order right from family to the world family in the light of the right understanding. Several groups of people have started working in this direction seriously. As a result, many technologies and systems have evolved even though the full-scale demonstration of such alternative ways of living is yet to emerge. There needs to be an increasing and widespread thrust to evolve holistic technologies and systems through dedicated R&D efforts working within the framework of the right understanding.

Some Typical Case Studies

We can have a look at some of the typical case studies that have been employed in society, and been successfully fulfilling the human goal. A few such case studies are listed below:

- Renewable and Decentralized Energy Technologies
 - Biomass-based Energy Conversion systems
 - Gadgets and Implements to facilitate efficient utilization of human muscle power and animal draught power
 - Decentralized Wind power
 - Micro hydel electro-mechanical power generation etc.
- Systems for water conservation and water shed management for efficient utilization of rain water and for eco-restoration.

- Technologies and architecture promoting green building materials and energy conservation
- Organic/natural farming techniques
- Eco-sanitation techniques for small scale decentralized sewage disposal and waste water recycling
- Low cost and energy efficient technologies for small scale production systems
- Humanistic organizational/management models

Key Takeaways

While drawing a policy for Technologies, Production Systems and Management models for the society, we need to have the vision for a humane society. There have been many advancements in technology and management today, but we need to develop a holistic criterion for their evaluation and present guidelines for further developments. Based on right understanding, the guidelines, criteria, examples and case studies about Holistic Technologies, Production Systems and Management Models can be worked out. We can also learn from the systems in nature and the traditional practices to evolve a holistic model of living ensuring harmony at all levels.



UHV can bring Peace and Prosperity to Mankind and the Planet

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Prof. Sahasrabudhe shared his rationale and experience of implementing UHV during his tenure as chairman AICTE. Since 2017 UHV has been placed in AICTE's model curriculum, as a mandatory input for all AICTE affiliated colleges. The curriculum includes a three-week student induction program with UHV-I as the core input followed by a 1-semester foundation course, UHV-II to help students connect, explore and understand universal values. He stressed the importance of preparing faculty through UHV FDPs. This initiative aims to cultivate a spirit of collaboration, essential for addressing societal and environmental challenges. UHV's holistic approach encompasses the individual's connection with family, society, and nature, promoting sustainable living and global harmony.

EXCERPTS FROM THE LECTURE

What is UHV? "Universal Human Values represent ethical principles that transcend all boundaries. They surpass distinctions based on religion, geography, cultures, languages, and social classes, encompassing all forms of diversity... Therefore, these values serve as a moral compass. happiness can be defined as a state of harmony, goodwill, mutual assistance, collaboration, cooperation, and empathy. Failure to uphold these principles will result in unhappiness."

Need for working together. "The issue of competition versus collaboration poses a moral dilemma... complex problems necessitate collective efforts for resolution as no single individual possesses the capability to tackle them alone..."

Understanding and living accordingly. "Human being is more than just the material body... The coexistence between the self and the body embodies a profound philosophy that will propel us to a higher plane..."



UHV can bring Peace and Prosperity to Mankind and the Planet

"When a person comprehends these elements well, their ability to communicate and share with family members improves significantly. There is a profound sense of affection among siblings, love between fathers and sons, and between mothers and sons, as well as between brothers and sisters, and so on... This bond will only strengthen if students and all family members attend UHV courses together. By doing so, many of the problems that currently exist within our families will gradually dissolve, making it an incredibly important endeavor."

"The next aspect to consider is society. We often encounter problems within our neighbourhood, colony, and even our homes... Therefore, if we embrace the principles of UHV, starting from the family and extending to the society in our neighborhood, our behavior will undoubtedly improve."

"Going beyond nationalism to the entire community of Nations is also important, and if human values are imbibed by all of us, then there will be certainly World Peace."

***"Mother Earth...** unless we use as much as is required and do not exploit them... the challenges are more... Why did we come to all of this? climate change, and the entire nature is affected due to over-exploitation of the resources. Therefore, Sustainable Development Goals (SDGs)... 17 of them decided by the United Nations... The philosophy of world family ("Vasudhaiva Kutumbakam") emphasizes that the well-being of an individual can easily extend to their family, community, village, town, and ultimately, the entire world. This concept of a global family, encapsulated by the slogan "one world, one vision, one goal," is also endorsed by the United Nations and the international community, who advocate for the protection and preservation of Mother Earth... If we had understood truly the UHV, they change from self to family to society, to village, to district, to state, to nations to the entire community, the committee of nations, we would have taken care of nature in the best possible way."*

***Role of Education.** "Education plays a crucial role in this context. The comprehensive approach to education commences with the correct comprehension, that is, understanding the harmony within human beings, families, societies, nature, and existence, holds great significance... we must first establish harmony within the individual, then within the family, followed by the society, and finally, in the natural world."*

FOR MORE INFORMATION

1. Vision for Holistic, Value-based Education, https://fdp-si.aicte-india.org/download/HVBE_for_NEP2020.pdf
2. UHV Website: <https://uhv.org.in/>
3. UHV YouTube: <https://www.youtube.com/c/UniversalHumanValues>
4. AICTE Website: <https://fdp-si.aicte-india.org/index.php>

