

VEER NARMAD SOUTH GUJARAT UNIVERSITY SURAT

LL.M. SEM.II (HUMAN RIGHTS GROUP)

COURSE CONTENT

HRLE-408 SCIENCE & TECHNOLOGY AND HUMAN RIGHTS & DUTIES 4 Credits

Objectives

The contribution of science and technology in various fields like medicine, agriculture, defense, communication, industries, criminal investigation and administration of justice etc. is significant. But it is required to be used with proper care and caution.

The present course is intended to study the science & technology with human rights perspective. An attempt is made to examine impacts of science and technology on human rights. The present course also focuses on international institutions and international documents pertaining to science & technology and human rights & duties.

I Significance of science & technology in socio-economic development-Human Rights perspectives

Medical technology- organ transplantation, surrogacy IVF,

Information communication technology- Internet, mobile, c.c. camera, video conferencing etc.

Agriculture- Bio-technology

Nuclear technology- atomic energy

II Science & technology in criminal investigation and administration of justice

Forensic science, hand writing test, Finger print, DNA test, lie detector (polygraph test), Brain mapping, Narco analysis test, c.c. camera, video conferencing, computeration, online reporting etc.

III International & Regional Institutions for science & technology and Human Rights & Duties

Office of UN High Commissioner for Human Rights

The International Council for Science (ICSU)

Committee on Freedom and Responsibilities in Conduct of Science (CFRS)

UN Educational, Scientific and Cultural Organization (UNESCO)

UN Commission on Science & Technology for Development

International Council on Human Rights Policy

Commission on Ethics of Scientific knowledge & Technology (COMEST)

IV International and Regional Covenants, Conventions and Documents

First Non-binding document- UDHR 1948

International Covenant on Civil and Political Rights 1966

International Covenant on Economic, Social and Cultural Rights 1966

Council of Europe- Convention on Human Rights and Biomedicine

USA- Additional Protocol to the American Convention on Human Rights in the Area of Economic, Social and Cultural Rights (Protocol of San Salvador) 1988

Charter of Economic Rights and Duties of States 1974

UN Gen. Assembly Resolution: Declaration on Social Progress and Development 1969

Declaration on Principles of International Law Concerning Friendly relations and Co-operation among States in Accordance with the charter of the United Nations 1970

Declaration on the use of Scientific and Technological Progress in the Interests of Peace and for the Benefit of Mankind 1975

Universal Declaration on Bioethics and Human Rights 2005

Declaration on Climate Change and Development in Africa 2007

Declaration on Science Technology and scientific Research for Development 2007

World conference: Proclamation of Teheran 1968

Vienna Declaration and Programme of Action 1993

Declaration on Science and the use of Scientific Knowledge (Budapest) 1999

Declaration of Dakar 2007

Hyderabad Declaration on Impact of New Biology on Justice Delivery System

V Issues/Problems related to science and Human Rights

Possibilities of misuse of Nuclear technology for destructive purposes and threat to peace

Moral and legal issues related to organ transplantation and surrogacy

Cyber crimes, hacking, Right to information v/s Right to Privacy

Climate change global warming, e-waste, pollution

IPR- registration of Patent and high cost of medicine

Threat to small scale industries and adverse effect to agricultural land and Forest, issue of Rehabilitation

VI Duties of International organizations, States, Media, Scientists, N.G.O., Professionals and Citizens regarding impacts of science & Technology on Human Rights

Select Bibliography

C.G. Weeramantry : Human Rights and Science & Technological Development United Nations Uni. Press

Natasa J. Aptekar: Biomedical Technology and Human Rights (India Journal of Medical Ethics)

Amulya K.N. Reddy: Nuclearisation, Human Rights and Ethics

Impacts of Technological Development on Workers Rights

Technological Development for Human Security (Source- Asian Institute of Technology working group Chap.9)

The Ethical implication of Global Climate Change (Sourcee-COMEST)

Resolution on Science and Technology for Development (Source- ECOSOC)