

GURU NANAK INSTITUTE OF TECHNOLOGY

**Approved by A.I.C.T.E., New Delhi
Affiliated to MAKAUT, West Bengal**



**MANUAL AND BROCHURE OF
HUMAN VALUES AND
PROFESSIONAL ETHICS**

Introduction:

Imparting value-centric education to emerging engineers and technologists is the predominant concern of an institution like Guru Nanak Institute of Technology. Drawing inspiration and guidance from the teachings of the great Sikh saint, Guru Nanak, the Institute instills values of tolerance, respect, compassion and charitableness. Professional values like responsible exercise of knowledge, and utilizing knowledge for the greater good of the community at large, are also practiced.

Human Values and Professional Ethics are already a part of the curriculum as a core subject (HU401), and the detailed syllabus is provided herewith for your reference.


Apart from providing general guidelines for course execution and detailed references, the syllabus provides a comprehensive coverage of

- Values and value systems and ethical thinking
- Insight into social issues
- Code of ethics of engineers
- Safety issues and industrial safety standards
- Information sharing on global issues
- Problem Solving modalities on Ethical issues

As part of the Institute's academic and extra-academic activities, students are given ethical teaching and mentoring in moral and ethical values through the following:

- Motivational lectures and talks during the Student Induction Program (SIP)
- Involvement in NSS activities
- Social Outreach and extension activities
- Philanthropic practices

The mode of the operation of these in student guidance is given in the report on the following pages.


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Course Name: Values & Ethics in Profession

Course Code :HU401

Contact:2:0:0

TotalContactHours:3

Credits:3

Prerequisites:

Basic knowledge of management, communication, environment science.

Course Objectives:

To create awareness on professional ethics and Human Values

Course Outcome:

At the end of the course students will be

CO1:	Able to understand the core values that shape the ethical behaviour of an engineer and Exposed awareness on professional ethics and human values.
CO2:	Able to understand the basic perception of profession, professional ethics, various moral issues & uses of ethical theories.
CO3:	Able to understand various social issues, industrial standards, code of ethics and role of professional ethics in engineering field.
CO4:	Able to aware of responsibilities of an engineer for safety and risk benefit analysis, professional rights and responsibilities of an engineer.
CO5:	Able to acquire knowledge about various roles of engineers in variety of global issues and able to apply ethical principles to resolve situations that arise in their professional lives.

Course Content:

Module I:(3)

Introduction: Definition of Ethics; Approaches to Ethics: Psychological, Philosophical, Social.

ModuleII:(5)

Psycho-social theories of moral development: View of Kohlberg; Morality and Ideology, Culture and Morality, Morality in everyday Context.

ModuleIII:(5)

Ethical Concerns: Work Ethics and Work Values, Business Ethics, Human values in organizations: Values Crisis in contemporary society Nature of values: Value Spectrum of a good life.


ModuleIV:(6)

Ethics of Profession: Engineering profession: Ethical issues in Engineering practice, Conflicts between business demands and professional ideals. Social and ethical responsibilities of Technologists. Codes of professional ethics. Whistle blowing and beyond, Case studies.

ModuleV:(6)

Self Development: Character strengths and virtues, Emotional Intelligence, Social intelligence, Positive cognitive states and processes (Self-efficacy, Empathy, Gratitude, Compassion, and Forgiveness).

ModuleVI:(8)


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Effects of Technological Growth: Rapid Technological growth and depletion of resources, Reports of the Club of Rome. Limits of growth: sustainable development Energy Crisis: Renewable Energy Resources, Environmental degradation and pollution. Eco-friendly Technologies. Environmental Regulations, Environmental Ethics Appropriate Technology, Movement of Schumacher; Problems of man, machine, interaction.

Text Books:

1. Stephen H Unger, Controlling Technology: Ethics and the Responsible Engineers, John Wiley & Sons, New York 1994.
2. Deborah Johnson, Ethical Issues in Engineering, Prentice Hall, Englewood Cliffs, New Jersey 1991.

Reference Books:

1. A N Tripathi, Human values in the Engineering Profession, Monograph published by IIM, Calcutta 1996.

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	--	--	--	--	--	1	1	1	1	2	--	--
CO2	--	--	--	--	--	1	1	3	1	2	--	--
CO3	--	--	--	--	--	3	2	3	--	1	--	--
CO4	--	--	--	--	--	3	2	1	--	--	--	--
CO5	--	--	--	--	--	3	2	2	--	1	3	--


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Values Education Imparted: 5 Years' Report

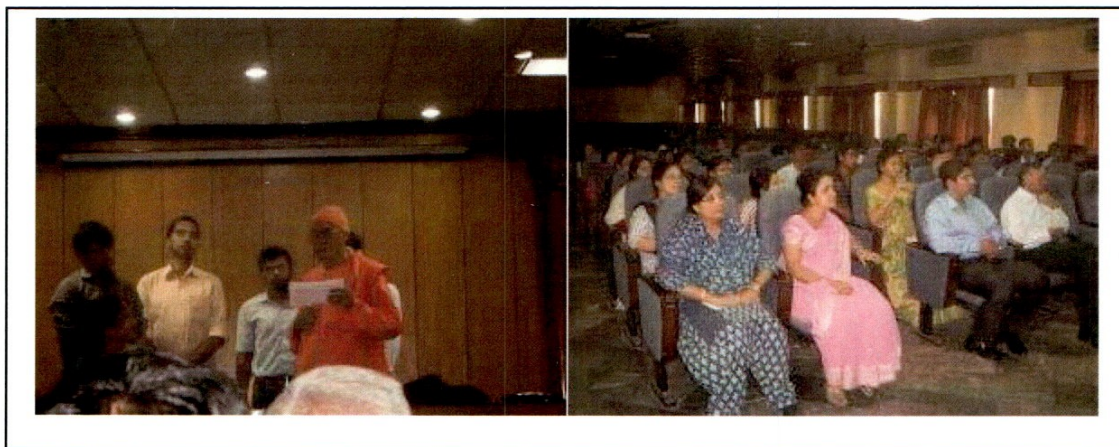
Report of 2016-17

Students were imparted mentoring in moral and ethical values through lectures and interaction session with the Swamiji Maharaj from the Gobordanga Ramkrishna Sarada Sevashram. He spoke of the need for love, compassion and the need to extend a helping hand to our less fortunate brethren. Students donated money for the welfare of the needy to the mission.

There were cleanliness programs, a "SWACHHTA PAKHWADA" in which faculty members and students alike participated. Faculty members cleaned their workspaces and students participated in cleaning of classrooms and laboratories. During NSS week, in November 2016 too, students undertook campus cleaning.

There was also a **program on solid waste management on campus**. Students undertook studies on waste disposal and management techniques by observing campus disposal systems.

Blood donation camps were also organized, in which students participated actively. The NSS Unit, in collaboration with MCA Dept. organized a camp in the college premises in collaboration with Barasat Govt. Hospital, WB.



Swamiji Maharaj of the Gobordanga Ramkrishna Sarada Sevashram addresses the students and assembled teachers at GNIT on 16.11.2016



Cleanliness drives on campus on 17.11.17

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There were value education sessions by Swami Nityarupanandaji Maharaj of the Ramkrishna Vivekananda Mission, Barrackpore, who spoke to students about the importance of following the path of righteousness and duty as prescribed by Swami Vivekananda. He also stressed the role of loving kindness and good heartedness and the importance of working for others' welfare in society. An equally inspiring message was given by Swamiji Maharaj from Bharat Sevashram Sangha.

Students learnt the values of kindness and compassion for the weaker and unfortunate members of society by donating clothes and money for the welfare of the economically distressed under the aegis of the NSS program to the Ramkrishna Vivekananda Mission.

Students also learnt about neighbourhood cleanliness through campus cleaning drives. There were also programs on cleaning up the surrounding areas of the college.

Students, faculty and staff members visited one school for underprivileged children in a nearby slum named "Indira Nagar Primary School" and distributed colour pencils, drawing pencils, exercise books, drawing books and food packets.

The joy of giving to the underprivileged, the need to work for others' welfare, the need to keep the neighbourhood clean, to uphold community values, all these and other values were instilled through the different sessions on value education and the various community welfare and outreach programs.



Instructional and mentoring sessions on value education by Swami Nityanandaji Maharaj of the Ramkrishna Vivekananda Mission, Barrackpore, on 22.11.2017.



GNIT Students with the children of Indira Nagar Primary School on 14.11.2017

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Report of 2018-19

Interactive sessions on Spiritual Wellness and Well Being were held by Shri Radhaballav Das, evangelist and spiritual guide of the ISKON Foundation. Shri Das spoke of the need for simplicity and clarity of outlook in life, and the importance of Mindfulness and Spiritual Well Being to the students. He also shared techniques of concentration and stress management with the students.

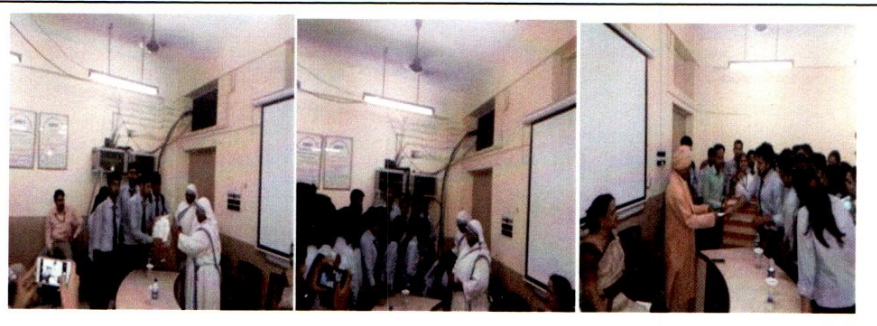
Students learnt community welfare also through donation drives. There were donations made by the students under the NSS program to various charitable organizations, including the Bharat Sevashram Sangha and the Missionaries of Charity. Students of 1st Year B Tech donated used clothes for the needy and underprivileged to the sisters of the Missionaries of Charity (Mother Teresa).

To commemorate the College Foundation Day, **16th August-2018** GNIT pledged to work towards Social Harmony, Environmental Sustainability and Swachhata and conducted a massive awareness rally with posters, banners depicting the theme, walked miles to spread the message in the locality.

There was a Blood Donation Camp for cancer patients, a drive to collect and dispose plastics in "Plastic Free Week" (6th -13th November 2018). Visits to nearby old age homes, made during Dussera and Diwali, brought the students in close proximity to elder care issues, and they learnt about love and sharing.



Session on Spiritual Well Being conducted by Shri Radhaballav Das of ISKON on 3.8. 2018



Interactional Sessions with the Sisters of the Missionaries of Charity and Swamiji Maharaj from the Bharat Sevashram Sangha on 26.11.2018.

Report on 2019-20

A session on Stress Management and Well Being was conducted by Shri Beni Kinha, the renowned motivational speaker, who spoke to students about the importance and strategies of stress reduction and the ways of achieving greater productivity through a well-balanced lifestyle.

As part of community outreach activities, students visited the GOONJ warehouse at Arupota, Kolkata, to donate clothes to the lesser privileged in society. They watched all the ongoing activities and were given a demonstration lecture by a Goonj Coordinator, Ms Arpita. She spoke of the ways and means of reaching out to the people below poverty line in the remote rural areas. She also spoke about the means of educating them about menstrual health and hygiene.

Students also visited Gobinda Kumar Home (for Orphan Girls) in Sodepur, for donating clothes and food packets arranged by faculty and students themselves. They went to Gobinda Kumar Home (for orphans) and spent time with the orphan girls, establishing bonds of friendship.

During the lockdown induced by the COVID-19 pandemic, in March-April 2020, students were involved in social welfare activities like donations to the Prime Minister's and Chief Minister's Relief Funds, distributing foodgrains and other necessities to daily wage earners most affected by the lockdown.



Students at GOONJ and teachers and students at the Gobinda Home in Sodepur on 14.11.19

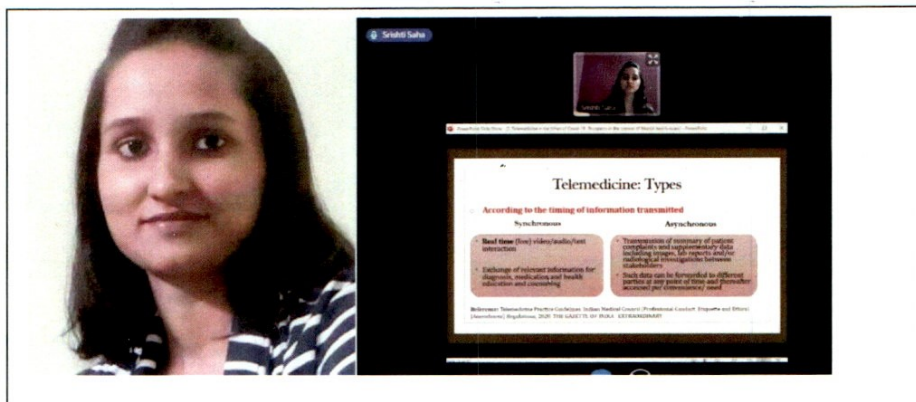
Report on 2020-21

The COVID-19 pandemic, in early 2020, precipitated a humanitarian crisis on an unprecedented scale. Economic lockdown was imposed for several months, and daily wage earners and people from the economically backward sections of society suffered. The faculty, staff and student community of the Institute responded to this crisis in a significant way by donating to the needy and the distressed, helping in people's rehabilitation and recovery. There were also notable contributions by the students in relief work after the cataclysmic cyclone "AMPHAN".



**Relief work distributing foodgrains undertaken by the students
in April 13-15th 2020**

Sessions on Stress Management were conducted by the well-known clinical psychologist and counsellor, Ms Srishti Saha. Ms Saha interacted online with students and spoke to them about mental health and coping strategies during times of crises. She also answered various student queries on how to handle medical emergencies, trauma and depression during a critical time of the nation.



**Ms Srishti Saha interacted with students in an interactive online
session on 17.11.2020**

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