



Dhirajlal Gandhi College of Technology

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INDEX

CRITERION: 7.1.9

Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

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ACADEMIC COURSES ON HUMAN RIGHTS AND PROFESSIONAL ETHICS

Professional Ethics, Human Rights and Total quality management subjects are available in the Anna University curriculum & syllabus. Under graduate Engineering students are advised to choose a these subjects in their semesters.

Sl. No	Dept	Semester	Subject Name
1	CIVIL	V	Human Rights
		VII	Total Quality Management
		VIII	Professional Ethics in Engineering
2	ECE	VI	Principles of Management
		VII	Human Rights
3	EEE	VII	Human Rights
		VIII	Professional Ethics in Engineering
4	CSE	VII	Human Rights
		VIII	Professional Ethics in Engineering
5	MECH	VII	Total Quality Management
		VIII	Professional Ethics in Engineering

GE8076

PROFESSIONAL ETHICS IN ENGINEERING

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OBJECTIVES:

- To enable the students to create an awareness on Engineering Ethics and Human Values, to instill Moral and Social Values and Loyalty and to appreciate the rights of others.

UNIT I HUMAN VALUES

10

Morals, values and Ethics – Integrity – Work ethic – Service learning – Civic virtue – Respect for others – Living peacefully – Caring – Sharing – Honesty – Courage – Valuing time – Cooperation – Commitment – Empathy – Self confidence – Character – Spirituality – Introduction to Yoga and meditation for professional excellence and stress management.

UNIT II ENGINEERING ETHICS

9

Senses of 'Engineering Ethics' – Variety of moral issues – Types of inquiry – Moral dilemmas – Moral Autonomy – Kohlberg's theory – Gilligan's theory – Consensus and Controversy – Models of professional roles - Theories about right action – Self-interest – Customs and Religion – Uses of Ethical Theories.

UNIT III ENGINEERING AS SOCIAL EXPERIMENTATION

9

Engineering as Experimentation – Engineers as responsible Experimenters – Codes of Ethics – A Balanced Outlook on Law.

UNIT IV SAFETY, RESPONSIBILITIES AND RIGHTS

9

Safety and Risk – Assessment of Safety and Risk – Risk Benefit Analysis and Reducing Risk - Respect for Authority – Collective Bargaining – Confidentiality – Conflicts of Interest – Occupational Crime – Professional Rights – Employee Rights – Intellectual Property Rights (IPR) – Discrimination.

UNIT V GLOBAL ISSUES

8

Multinational Corporations – Environmental Ethics – Computer Ethics – Weapons Development – Engineers as Managers – Consulting Engineers – Engineers as Expert Witnesses and Advisors – Moral Leadership – Code of Conduct – Corporate Social Responsibility.

TOTAL: 45 PERIODS

OUTCOMES:

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- Upon completion of the course, the student should be able to apply ethics in society, discuss the ethical issues related to engineering and realize the responsibilities and rights in the society.

TEXT BOOKS:

1. Mike W. Martin and Roland Schinzinger, "Ethics in Engineering", Tata McGraw Hill, New Delhi, 2003.
2. Govindarajan M, Natarajan S, Senthil Kumar V. S, "Engineering Ethics", Prentice Hall of India, New Delhi, 2004.

REFERENCES:

1. Charles B. Fleddermann, "Engineering Ethics", Pearson Prentice Hall, New Jersey, 2004.
2. Charles E. Harris, Michael S. Pritchard and Michael J. Rabins, "Engineering Ethics – Concepts and Cases", Cengage Learning, 2009.
3. John R Boatright, "Ethics and the Conduct of Business", Pearson Education, New Delhi, 2003
4. Edmund G Seebauer and Robert L Barry, "Fundamentals of Ethics for Scientists and Engineers", Oxford University Press, Oxford, 2001.
5. Laura P. Hartman and Joe Desjardins, "Business Ethics: Decision Making for Personal Integrity and Social Responsibility" Mc Graw Hill education, India Pvt. Ltd., New Delhi, 2013.
6. World Community Service Centre, ' Value Education', Vethathiri publications, Erode, 2011.

Awareness program for rights, duties and responsibilities

Resource Person: Er. K.Parivallal, CEO, DMW CNC Centre

Date & Time: 12 – 07 – 2018 & 10.00am

Venue: DGCT Auditorium

Participants: Faculty members and Students



**Motivation program on MIND WITH VALUES by Er. K.Parivallal, CEO, DMW
CNC Centre**



Student feed back in the Motivation program on MIND with VALUES

AWARENESS PROGRAM

Resource Person: Mr.Saravanakumar Kannan, Regional Vigilance Officer, Salem
Mr. Narayanan Iyer, Chief Manager, IOB Bank, Salem.
Mr. K.Vijayadoss, Chief Manager, IOB Bank, Shevapat.

Programme: **Eradicate Corruption Build a New INDIA**

Date & Time: 02 – 11 – 2018 & 02.00pm

Venue: DGCT Seminar Hall A/C

Participants: DGCT Students



Special address by Mr. Narayanan Iyer, Chief Manager, IOB Bank, Salem



Prize distribution for essay competition

AWARENESS PROGRAM

Resource Person: Mr.Meganath Reddy, IAS, Sub-Collector, Mettur, Salem

Programme: **SVEEP – (Systematic Voter’s Education & Electoral Participation)**

Date & Time: 16 – 05 – 2016 & 03.30pm

Venue: DGCT Auditorium

Participants: DGCT Faculty & Students

The poster features the Dhirajlal Gandhi College of Technology logo on the left, which includes a stylized tree and an open book. The college name is written in large white letters on a dark blue background. Below the name, the address and phone number are provided. The central text, in blue and black, identifies the event as '84 - OMALUR AC SVEEP (SYSTEMATIC VOTER'S EDUCATION & ELECTORAL PARTICIPATION) Tamilnadu Assembly Election, 16th May 2016'. A yellow banner with red text says 'HEARTY WELCOME TO'. Below this is a portrait of Mr. J. Meganath Reddy, I.A.S., Sub-Collector, Mettur. At the bottom, three colored boxes (blue, orange, blue) contain the venue 'DGCT AUDITORIUM', the date '12 - 03 - 2016', and the time '3.30 p.m'.

DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY
Opposite Salem Airport, Salem - 636 309. Tamil Nadu, India. Ph : 04290 233333

84 - OMALUR AC
SVEEP
(SYSTEMATIC VOTER'S EDUCATION & ELECTORAL PARTICIPATION)
Tamilnadu Assembly Election, 16th May 2016

HEARTY WELCOME TO


Mr. J. Meganath Reddy, I.A.S
Sub-Collector, Mettur

Venue **DGCT AUDITORIUM** Date **12 - 03 - 2016** Time **3.30 p.m**

Invitation



Awareness speech in the Systematic Voter's Education & Electoral Participation programme by Mr.Meganath Reddy, IAS, Sub-Collector, Mettur, Salem

AWARENESS PROGRAMME

Resource Person: Dr. M. Ramanan, Sarakkapillayur block medical officer

Date & Time: 09.01.2020& 10.00am

Venue: DGCT Auditorium

Participants: Faculty members and Students



Student's contribution in the blood donation camp



Inaugural Speech by Dr. M. Ramanan, Sarakkapillayur block medical officer

AWARENESS PROGRAMME

Program Name: Disaster Management Awareness Program

Date & Time: 26.10.2019 & 10.00am

Venue: DGCT & Participants: Faculty members and Students



Program Name: Female Safety - Oath Taking

Date & Time: 06.12.2019 & 10.00am

Venue: DGCT & Participants: Faculty members and Students



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Program Name: Road Safety Program

Date & Time: 21.02.2017 & 10.00am

Participants: Faculty members and Students



Program Name: Flood Relief Camp

Date & Time: 16.02.2016 & 10.00am

Participants: Faculty members and Students



C-7 – 7.1.9 – Dhirajlal Gandhi College of Technology

Program Name: Fire Safety Awareness

Date & Time: Feb 2017 & 11.00am

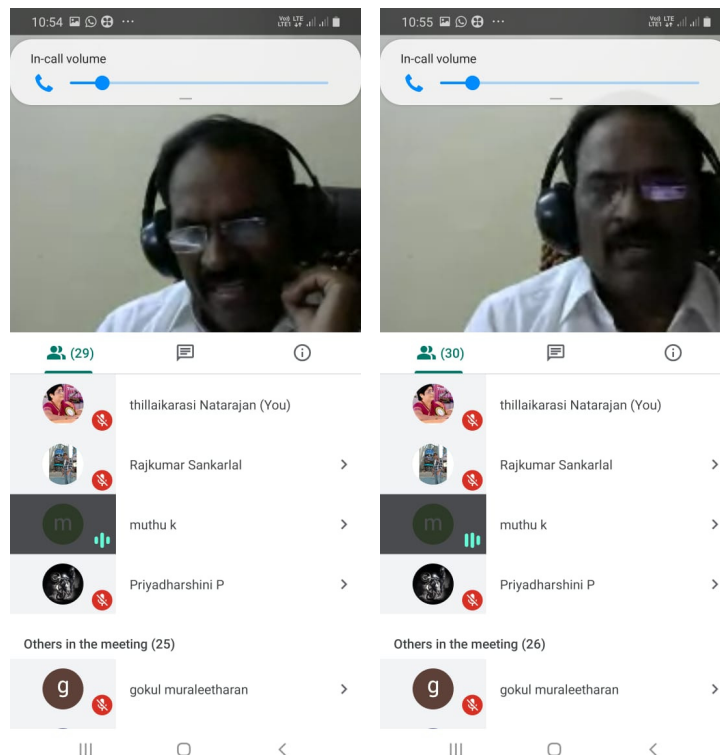
Participants: Faculty members and Students



Program Name: Awareness program on constitutional rights for women

Date & Time: 26th Nov 2020 & 10.30am

Participants: Faculty members





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COLLEGE
OF TECHNOLOGY**

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Salem - 636 309 | +91 4290 233 333

Speaker



Mr. K. Muthu, M.A.,B.L.,
Advocate
Supreme Court of India

**Awareness on Constitutional
Rights for Women**

26th November 2020 10:30 am to 11:30 am

Join with Google Meet : <https://meet.google.com/mtv-qfgu-goh>

in the presence of

 <p>Shri. Dhirajlal A. Gandhi Chairman DGCT</p>	<p>Shri. D. Manojkumar Vice-Chairman DGCT</p>		
<p>Smt. Archana Manojkumar Secretary DGCT</p>	<p>Dr. A. Selvaraj Principal DGCT Dean R&D</p>	<p>Dr. S. Venkatesh Vice Principal HoD ECE</p>	
<p>Dr. M. Sumathi Dean - Academics</p>	<p>Dr. J.Parthasarathy Director - P&T</p>	<p>Dr. N. Thillaikarasi Dean Student Affairs PRO</p>	<p>Dr. R. Kumar Dean CSE</p>

coordinators

<p>Mr. R. Joseph Henry Admission Officer AP English</p>	<p>Mr. S. Boopathy Admission Incharge AP ECE</p>
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Admission Contact : 95000 00651 | 94899 00130

Invitation

Events of National importance

Resource Person: Dr. S.Rajendran, Professor & Head – EEE

Date & Time: 15.08.2019 & 7.00am

Venue: DGCT Campus & Participants: Faculty members and Students



Independence Day speech by Dr. S.Rajendran, Professor & Head – EEE



Indian National flag hoisting by Dr. S.Rajendran, Professor & Head – EEE

C-7 – 7.1.9 – Dhirajlal Gandhi College of Technology

Name of the Event : **Yoga Day**

Date & Time: 21.06.2019& 10.00am

Venue: DGCT Campus

Participants: Faculty members and Students



Inaugural Speech By Smt. Archana Manojkumar, Secretary





Students are doing Yoga practice at DGCT Auditorium

PERSONALITY DEVELOPMENT

Name of the Event: **Industry Connect**

Date & Time: 15.07.2017 & 10.00am; Venue: DGCT Auditorium

Participants: DGCT Final Year Students



Mr. Rajendran Dhandapani, Director of Engineering, ZOHO Corporation, briefing about the interview skills and corporate management

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**HR Address by Ms.Vijayalakshmi, Assoc. VP-HR, Payoda Technologies
Inaugural Speech By Smt. Archana Manojkumar, Secretary**