"Techno - Social Excellence"
Marathwada Mitramandal's
Institute of Technology (MMIT)
Accredited with "A" Grade by NAAC
Survey No. 35, Vadgaon Shinde Road, Lohgaon, Pune - 411 047
Approved by AICTE, New Delhi, Recognised by DTE, M.S.Mumbai, Affiliated to Savitribai Phule Pune University
Email : principal@mmit.edu.in   Website : www.mmit.edu.in
Tel No. : +91 7447788623 / +91 7447788624   DTE Institute Code : 6203

संदर्भ क्रमांक: एम. एम. आय. टी./ ग्रंथालय /संविधान दिन अहवाल/ 2021 -22/   दिनांक: 15/12/2021

'अहवाल'

विषय :- "संविधान दिन"

मराठवाडा मित्रमंडळ अभियांत्रिकी महाविद्यालयात 26 नोव्हेंबर 2021 हा दिवस संविधान दिवस म्हणून साजरा करण्यात आला. संविधान दिनानिमित्त ग्रंथालय विभागातर्फे ग्रंथालयाचा वाचन कक्षामध्ये संविधानाच्या प्रतिमेला प्राचार्यांच्या हस्ते पुष्पहार अर्पण करून कार्यक्रमाची सुरुवात झाली. ग्रंथपाल रीना कोकणे यांनी संविधान विषयी विस्तृत माहिती सांगितली व सौ पुनम कोकाटे यांनी संविधानाच्या उद्देशिकेचे वाचन केले सौ रुपाली परळकर यांनी आभार प्रदर्शन केले. या कार्यक्रमासाठी महाविद्यालयातील सर्व शिक्षक शिक्षकेतर कर्मचारी व विभाग प्रमुख उपस्थित होते.

कार्यक्रमाची रूपरेषा:

अनुक्रमांक	तपशील	वेळ
1	संविधानाच्या प्रतिमेस प्राचार्यांच्या हस्ते पुष्पहार अर्पण	11:00 a.m To 11:10 a.m.
2	संविधान दिनाविषयी विस्तृत माहिती	11:10 a.m To 11:40a.m.
3	उद्देशिकेचे वाचन	11:40 a.m To 11:50 a.m.
4	कार्यक्रमाचा समारोप	11:50 a.m To 12:00 p.m.

आयोजक
ग्रंथालय विभाग

एम. एम. आय. टी .

प्राचार्य

एम. एम. आय .टी
Principal
Marathwada Mitra Mandal's
Institute of Technology,
Lohgaon, Pune-47

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संदर्भ क्रमांक: एम. एम. आय. टी./ ग्रंथालय /संविधान दिन/ 2021 - 22/ 159   दिनांक: 25.11.2021

सूचना:

सर्व विद्यार्थी, शिक्षक आणि शिक्षकेतर कर्मचारी यांना सुचित करण्यात येते की 26 नोव्हेंबर हा 'संविधान दिन' म्हणून साजरा केला जातो. या दिनाचे औचित्य साधून संविधानाची माहिती सर्वांना होण्यासाठी विविध कार्यक्रमाचे आयोजन करण्यात येते. आपल्याही महाविद्यालयात संविधाना विषयी जनजागृती होण्यासाठी ग्रंथालय विभाग आणि आणि राष्ट्रीय सेवा योजना यांच्या संयुक्त विद्यमाने दिनांक 26. 11. 2021 रोजी सकाळी 11:00 वाजता ग्रंथालयाच्या वाचन कक्षामध्ये संविधानाच्या प्रतिमेचे पूजन आणि वाचन करण्यात येणार आहे. सदर परिस्थितीमध्ये हा कार्यक्रम ऑनलाईन पद्धतीने गूगल मीट द्वारा घेण्यात येणार आहे. तरीही सर्व शिक्षक आणि शिक्षकेतर कर्मचारी आणि विद्यार्थी यांनी या कार्यक्रमास ऑनलाइन उपस्थित राहावे.

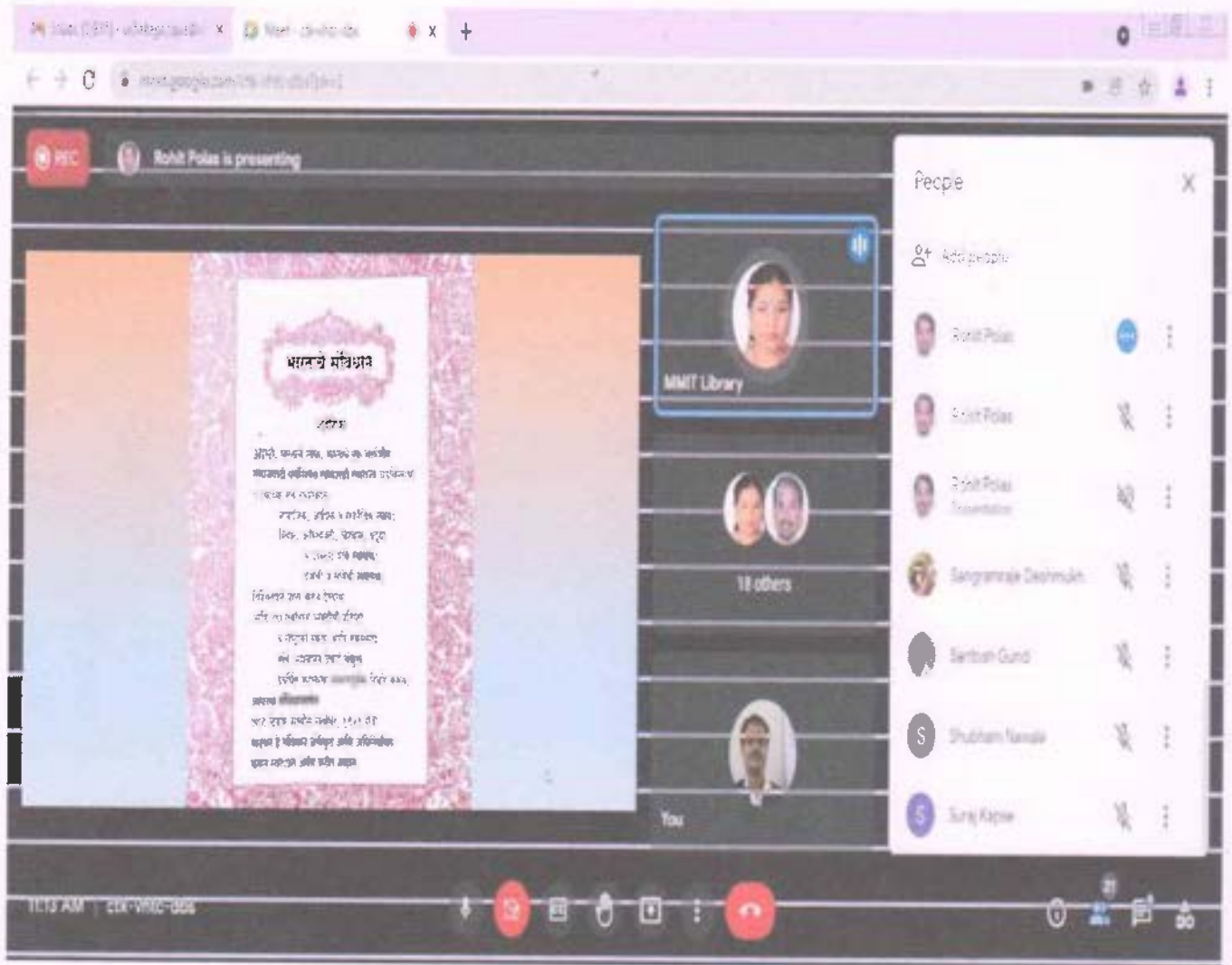गुगल मीट लिंक : https://meet.google.com/ctk-vhtc-dbs

ग्रंथपाल

प्रति:

1. व्यावहारिक विभाग

2. यांत्रिकी अभियांत्रिकी विभाग

3. संगणक अभियांत्रिकी विभाग

4. स्थापत्य शास्त्र विभाग

5. मेकट्रॉनिक्स विभाग

6. कृत्रिम बुद्धिमत्ता आणि माहिती विज्ञान

7. कार्यालय

8. शारीरिक शिक्षण संचालक

9. वसतिगृह विभाग

Glimpses of Celebration of "Samvidhan Din"

Online Celebration of "Samvidhan Din"

भारताचे संविधान

उद्देशिका

आम्ही, भारताचे लोक, भारताचे एक सार्वभौम
समाजवादी धर्मनिरपेक्ष लोकशाही गणराज्य घडविण्याचा
व त्याच्या सर्व नागरिकांस:

> सामाजिक, आर्थिक व राजनैतिक **न्याय;**
> विचार, अभिव्यक्ती, विश्वास, श्रद्धा
> व उपासना यांचे **स्वातंत्र्य;**
> दर्जाची व संधीची **समानता;**

निश्चितपणे प्राप्त करून देण्याचा
आणि त्या सर्वांमध्ये व्यक्तीची प्रतिष्ठा

> व राष्ट्राची एकता आणि एकात्मता
> यांचे आश्वासन देणारी **बंधुता**
> प्रवर्धित करण्याचा संकल्पपूर्वक निर्धार करून;

आमच्या संविधानसभेत
आज दिनांक सव्वीस नोव्हेंबर, १९४९ रोजी
**याद्वारे हे संविधान अंगीकृत आणि अधिनियमित
करून स्वत:प्रत अर्पण करीत आहोत.**

Glimpses of Celebration of "Samvidhan Din"

Glimpses of Celebration of "Samvidhan Din"

Glimpses of Celebration of "Samvidhan Din"

26/11/2021 11:40

Glimpses of Celebration of "Samvidhan Din"

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Sr.No.35,Plot No.5/6,Lohgaon,Pune-411047
DEPARTMENT OF CENTRAL LIBRARY
Samvindhan Din Celebration (26.11.2021)

Sr No	Unique ID	Name Of the Staff	Date	Department	Sign
1	CVT003	Sawant vaibhav D	26/11/21	civil	
2	CVT004	kokate Punam B	26/11/21	—u—	
3	CVT005	Bagade Ajinkyo R	26/11/21	—/L—	
4	MET012	More Sudhir S.	20/11/21	mech	
5	MET09	Ritesh Mahyn	26/11/14	mech	
6	MET08	Kurhe E.D.	26/11/21	Mech	
7	ETT013	M Yashwante	26/11/21	Eng.sci	
8	AST015	Amita Pal	26/11/21	Engg sci	
9	MET051	Roht Poias	26/11/21	Mech	
10	AST017	Tophik I Naikwadi	26/11/21	Eng Sci	
11	MX001	Apurva R. Ushe	26/11/21	Mech X	
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Date: 29/01/2022

Report on Celebration of 73rd Republic Day

Freedom in the Mind,

Faith in the words ...

Pride in our souls ...

Let's salute the nation on this auspicious day.

Republic day, our National festival is celebrated with great enthusiasm on 26th, January 2022 jointly by Marathwada Mitra Mandal's Institute of Technology (MMIT) and Marathwada Mitra Mandal's Institute of Environment & Design (MMIED) Lohgaon, Pune. The Honorable Marathwada Mitramandal Management Members, Students, Teaching, Non-Teaching, office staff members of the MMIT and MMIED actively present on the day. The National Flag has hoisted and the National anthem has sung in chorus followed by the reading of **"The Constitution of India Preamble"**.

Time : 8:30 AM

Date : 26th January, 2022 (Wednesday)

Venue : Marathwada Mitra Mandal's

Institute of Technology, (MMIT), Lohgaon, Pune

Chief Guest: Brig. Retd. (Dr.) Heramb Garge

Guest of honor: Mrs. Jyotsna H. Garge

Welcome By: Principal, Dr. R. V. Bhortake, MMIT, Pune

The program has commenced by Mrs. Aishwarya Mane.

The Chief Guest, Brig. Retd. (Dr) Heramb Garge:

He has served in the Army for 33 years and has received Vishisth Seva Medal (VMS) during his service in the Army. He is an Oral & Maxillofacial Surgeon and the Vice President of Garge Foundation. Working for the betterment of the families of his fellow army men. He delivered the speech on; we have to remember those peoples who sacrifice their whole life for the nation & keeping first priority to nation. The speech was truly delightful and interesting guided all of us on this occasion we have honored to have a speaker whose experience & background will help us for building our nation.
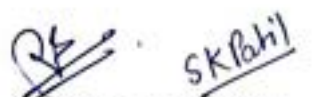
Guest of honor: Mrs. Jyotsna H. Garge:

Mrs. Jyotsna Garge is the President and Founding member of Garge Foundation. She has served in various army schools in India as a teacher for more than 15 years and was the Principal of the A. W. Sindhu Vidya Bhavan Seconday School, Pune for 9 years. She deliverd the speech on ethical values.

Finally the Vote of thanks was proposed by Mr. S. G. Rathod, Head of Computer Engineering Department. The program was successfully organized by Marathwada Mitra Mandal's Institute of Technology (MMIT), Lohgaon, Pune. At the end sweets were distributed to the students & Staffs.

Indeed, it was a day of joy, a day to love and respect our country and make it a better place for Indians to live and experience the ethical Values, Justice, Liberty, Equality and Fraternity.

Jai Hind

Mrs. D. J. Bonde Mrs. S. K. Patil **Event Coordinators**	Mr. S. G. Rathod **HOD**	Dr. R. V. Bhortake **PRINCIPAL**

Glimpses of the Event

Welcome of Guests

Reading of "The Constitution of India Preamble".

Flag Hoisting By Chief Guest & Guest of Honor

Felicitation of Chief Guest

Motivational Speech by Chief Guest

Date: 17-08-2021

Report
On
Celebration of 75th Independence Day

Freedom in the Mind,

Faith in the words …

Pride in our souls …

Let's salute the nation on this auspicious day.

The 75th Independence Day was celebrated on 15th August 2021. It is the day in the history of India when the country got her freedom on August 15, 1947.

Day is celebrated with festivities and patriotic fervor. The Covid Yodha Col. Rajendrakumar J. Kamble (Retd.) the Chief Guest of the Programme. He hoisted the national flag in the college campus sharp at 8:15 am. All the staff saluted the flag and then sang the National Anthem with nobody moved honoring it. Then followed the addressing of Chief Guest Col. Rajendrakumar J. Kamble (Retd.). He highlighted his school journey from small village to an Indian Army. He also enlightens on Kargil War. After the speech he answered the questions related to precaution & cares to be taken during the pandemic of Covid 19.

This program is coordinated by the Department of Mechanical Engineering.

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Flag Hoisting by Chief Guest along with Principal Dr. R. V. Bhortake

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Tel No. : +91 7447786823 / +91 7447786824

DTE Institute Code : 6203

Felicitation of Chief Guest

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Addressing by Chief Guest

Mr. R. P. Polas
Coordinator

Mr. S. S. More
HOD, MECH

Dr. R. V. Bhortake
Principal

सावित्रीबाई फुले पुणे विद्यापीठ
(पूर्वीचे पुणे विद्यापीठ)

संदर्भ क्र. : सीबीएच/ ६९३   दिनांक : ९०/१२/२०२०

परिपत्रक क्र. ३४४/२०२०

विषय:— **Democracy, Election and Governance (2 Credits) U.G. Syllabus and Introduction to Constitution (2 Credits) P.G. Syllabus (Compulsory Add-on Audit Course for All Faculty)** या कोर्सच्या मार्गदर्शक तत्त्वांना मान्यता देणेबाबत.

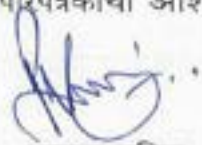विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार कळविण्यात येते की, Democracy, Election and Governance (2 Credits) U.G. Syllabus and Introduction to Constitution (2 Credits) P.G. Syllabus (Compulsory Add-on Audit Course for All Faculty) या कोर्सच्या मार्गदर्शक तत्त्वांना मान्यता देण्यात येत आहे.

१. Introduction to Constitution हा दोन केडिटचा कोर्स सर्व विद्याशाखेंच्या Post Graduate कोर्सला शैक्षणिक वर्ष २०२०—२०२१ पासून तिसऱ्या सत्रात सुरू करण्यात यावा.

२. या कोर्ससाठीचे नियमन विद्यापीठातील विधी विभागाद्वारे करण्यात यावे.

३. सदरील कोर्सचे ऑनलाईन आशय तयार करण्याची जबाबदारी विधी विभागाने घेऊन Online/Offline आशय वर विकसित करण्यात यावा.

४. सदरील कोर्स हा २ केडिटचा असून २५ मार्क्स Internal व २५ मार्क्स External साठी असतील व त्याचे रूपांतर मार्क्स नुसार ग्रेड मध्ये करण्यात यावे.

५. Democracy, Election & Governance हा दोन केडिटचा कोर्स सर्व विद्याशाखेच्या पदवी परीक्षेस प्रथम वर्षाच्या दुसऱ्या सत्रात शैक्षणिक वर्ष २०२०—२१ पासून सुरू करण्यात यावा.

६. या कोर्ससाठीचे नियमन प्रत्येक महाविद्यालयातील समाजशास्त्र किंवा राज्यशास्त्र विषयाचे प्राध्यापक यांच्या अध्यक्षतेखाली सदरील कोर्सचे नियमन करण्यात यावे.

७. सदरील कोर्समध्ये वेळोवेळी बदल Online/Offline आशय विकसित करणे याची जबाबदारी समाजशास्त्र अभ्यासमंडळाचे प्रमुख डॉ. श्रुती तांबे व राज्यशास्त्र अभ्यासमंडळाचे प्रमुख डॉ. बाळ कांबळे यांनी पहावे.

८. Democracy Election & Governance हा दोन केडिटचा कोर्स असून २५ मार्क्स हे Internal Assessment व २५ मार्क्स External Assessment साठी असतील व त्याचे रूपांतर मार्क्स नुसार ग्रेड मध्ये करण्यात यावे.

९. Democracy Election & Governance हा कोर्स सुरू करताना ज्या महाविद्यालयात समाजशास्त्र व राज्यशास्त्र विषय नाहीत, त्या महाविद्यालयात इतर विषयाच्या प्राध्यापकांना प्रशिक्षण देवून त्यांना जबाबदारी देण्यात यावी.

मा. प्राचार्य, सर्व संलग्न महाविद्यालये यांना विनंती की, सदर परिपत्रकाचा आशय सर्व संबंधितांच्या निदर्शनास आणून द्यावा.

उपकुलसचिव
(शैक्षणिक विभाग)

प्रत माहितीसाठी व पुढील योग्य त्या कार्यवाहीसाठी:–

१. मा. अधिष्ठाता, मानवविज्ञान विद्याशाखा
२. मा. प्राचार्य, सर्व संलग्न कला महाविद्यालये
३. मा. संचालक, परीक्षा व मूल्यमापन मंडळ, सावित्रीबाई फुले पुणे विद्यापीठ
४. मा. संचालक, स्पर्धा परीक्षा केंद्र
५. मा. संचालक, (आंतरराष्ट्रीय केंद्र)
६. मा. प्रमुख, विद्यापीठ उपकेंद्र :अहमदनगर, नाशिक.
७. मा. उपकुलसचिव, परीक्षा (१,२)
८. सिस्टीम ॲनालिस्ट डेटा प्रोग्रेसिंग युनिट
९. मा. उपकुलसचिव, शैक्षणिक प्रवेश विभाग
१०. मा. उपकुलसचिव, नियोजन व विकास विभाग
११. मा. उपकुलसचिव, शैक्षणिक पात्रता विभाग
१२. मा. उपकुलसचिव (सभा व दप्तर विभाग)
१३. मा. उपकुलसचिव (परीक्षा–एस.ऑण्ड टी.विभाग)
१४. मा. उपकुलसचिव, (कायदा व तक्रार निवारण विभाग)
१५. मा. उपकुलसचिव, जनसंपर्क अधिकारी
१६. मा. सहायक कुलसचिव (परीक्षा समन्वय विभाग)
१७. मा. सहायक कुलसचिव (गोपनीय कक्ष)
१८. मा. सहायक कुलसचिव (संलग्नता कक्ष)
१९. मा. सहायक कुलसचिव (मा. प्र–कुलगुरू कार्यालय)
२०. मा. कक्षाधिकारी (बहि:स्थ विभाग)

विद्यापरिषद ठराव क्र. – ब ५१ पीए/५१/२०२० दि. ०३.११.२०२०

Savitribai Phule Pune University, Pune
For All faculties

2 credit Compulsory course for all the First Year students in All Faculties
Democracy, Election and Governance

Objectives:

1. To introduce the students meaning of democracy and the role of the governance
2. To help them understand the various approaches to the study of democracy and governance

Module 1 Democracy- Foundation and Dimensions

a. Constitution of India
b. Evolution of Democracy- Different Models
c. Dimensions of Democracy- Social, Economic, and Political

Module 2 Decentralization

a. Indian tradition of decentralization
b. History of panchayat Raj institution in the lost independence period
c. 73rd and 74th amendments
d. Challenges of caste, gender, class, democracy and ethnicity

Module 3 Governance

a. Meaning and concepts
b. Government and governance
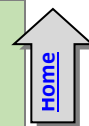c. Inclusion and exclusion

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Savitribai Phule Pune University
Second Year of Computer Engineering (2019 Course)
210259: Code of Conduct

Teaching Scheme	Credit Scheme	Examination Scheme and Marks
Tutorial: 01 Hours/Week	**01**[$]	**Term work**[$]**: 25 Marks**

Preamble:

Engineering is one of the important and cultured professions. With respect to any engineering profession, engineers are expected to exhibit the reasonable standards of integrity and honesty. Engineering is directly or indirectly responsible to create a vital impact on the quality of life for the society. Acceptably, the services provided by engineers require impartiality, honesty, equity and fairness and must give paramount importance to the protection of the public health, safety, and welfare. Engineers must perform under a standard of professional behavior that requires adherence to the principles of ethical conduct.

Prime aim is to recognize and evaluate ethical challenges that they will face in their professional careers through knowledge and exercises that deeply challenge their decision making processes and ethics.

Course Objectives:
- To promote ethics, honesty and professionalism.
- To set standards that are expected to follow and to be aware that If one acts unethically what are the consequences.
- To provide basic knowledge about engineering Ethics, Variety of moral issues and Moral dilemmas, Professional Ideals and Virtues
- To provide basic familiarity about Engineers as responsible Experimenters, Research Ethics, Codes of Ethics, Industrial Standards, Exposure to Safety and Risk, Risk Benefit Analysis
- To have an idea about the Collegiality and Loyalty, Collective Bargaining, Confidentiality, Occupational Crime, Professional, Employee, Intellectual Property Rights.

Course Outcomes:

On completion of the course, learner will be able to–

CO1: Understand the basic perception of profession, professional ethics, various moral and social issues, industrial standards, code of ethics and role of professional ethics in engineering field.

CO2: Aware of professional rights and responsibilities of an engineer, responsibilities of an engineer for safety and risk benefit analysis.
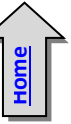
CO3: Understand the impact of the professional Engineering solutions in societal and Environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

CO4: 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 Contents

The following are the certain guidelines as far as ethics and code of conduct are concerned to be clearly and elaborately explained to the students,

Fundamental norms Engineers, in the fulfillment of their professional duties, should include paying utmost attention to the safety, health, and welfare of the society. Along with that engineers should execute the services only in their areas of competence. Whenever there is a need to issue public statements then such statements should be expressed in objective and truthful manner. Engineer should extend high sense of integrity by acting for each employer or client as faithful agents or trustees. Whatever may be the working scope engineer should conduct themselves honorably, responsibly, ethically, and lawfully so as to enhance the honor, reputation, and usefulness of the profession.

Home

As far as ethical practices are concerned engineers should not reveal facts, data, or information without the prior consent of the client or employer except as authorized or required by law or Code. Engineers should not permit the use of their name or associate in business ventures with any person or firm that they believe is engaged in fraudulent or dishonest enterprise moreover he/she should not aid or abet the unlawful practice of engineering by a person or firm.

Engineers having knowledge of any alleged violation of the Code should report thereon to appropriate professional bodies and, when relevant, also to public authorities, and cooperate with the proper authorities in furnishing such information or assistance as may be required. Engineers should disclose all known or potential conflicts of interest that could influence or appear to influence their judgment or the quality of their services. Engineers should not accept compensation, financial or otherwise, from more than one party for services on the same project, or for services pertaining to the same project, unless the circumstances are fully disclosed and agreed to by all interested parties. Engineers should not solicit or accept financial or other valuable consideration, directly or indirectly, from outside agents in connection with the work for which they are responsible.

Engineers should never falsify their qualifications or permit misrepresentation of their or their associates' qualifications. They shall not misrepresent or exaggerate their responsibility in or for the subject matter of prior assignments. Brochures or other presentations incident to the solicitation of employment shall not misrepresent pertinent facts concerning employers, employees, associates, joint ventures, or past accomplishments.
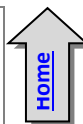
Engineers should not offer, give, solicit, or receive, either directly or indirectly, any contribution to influence the award of a contract by public authority, or which may be reasonably construed by the public as having the effect or intent of influencing the awarding of a contract. They should not offer any gift or other valuable consideration in order to secure work. They should not pay a commission, percentage, or brokerage fee in order to secure work, except to a bona fide employee or bona fide established commercial or marketing agencies retained by them.

There are certain obligations accompanied with engineering profession. Engineers should acknowledge their errors and should not distort or alter the facts. Candid advises in special cases are always welcome. Engineers should not accept outside employment to the detriment of their regular work or interest. Before accepting any outside engineering employment, they will notify their employers.

Engineers should not promote their own interest at the expense of the dignity and integrity of the profession furthermore they should treat all persons with dignity, respect, fairness, and without discrimination. Engineers should at all times strive to serve the public interest. Engineers are encouraged to participate in civic affairs; career guidance for youths; and work for the advancement of the safety, health, and well-being of their community. Engineers are encouraged to adhere to the principles of sustainable development in order to protect the environment for future generations. Engineers shall continue their professional development throughout their careers and should keep current in their specialty fields by engaging in professional practice, participating in continuing education courses, reading in the technical literature, and attending professional meetings and seminar.

Engineers should not, without consent, use equipment, supplies, laboratory, or office facilities of an employer to carry on outside private practice. They should not attempt to injure, maliciously or falsely, directly or indirectly, the professional reputation, prospects, practice, or employment of other engineers. Engineers who believe others are guilty of unethical or illegal practice shall present such information to the proper authority for action. "Sustainable development" is the challenge for the engineers meeting human needs for natural resources, industrial products, energy, food, transportation, shelter, and effective waste management while conserving and protecting environmental quality and the natural resource base essential for future development.

Following are contents to be covered in tutorial session-

1. **Introduction to Ethical Reasoning and Engineer Ethics:** Senses of 'Engineering Ethics' – Variety of moral issues – Types of inquiry – Moral dilemmas –Moral Autonomy – Kohlberg's theory – Gilligan's theory – Consensus and Controversy –Professions and Professionalism – Professional Ideals and Virtues – Uses of Ethical Theories.
2. **Professional Practice in Engineering :** Global Issues -Multinational Corporations – Business Ethics - Environmental Ethics – Computer Ethics - Role in Technological Development – Weapons Development – Engineers as Managers – Consulting Engineers – Engineers as Expert Witnesses and Advisors – Honesty – Moral Leadership – Sample Code of Conduct
3. **Ethics as Design** - Doing Justice to Moral Problems : Engineer's Responsibility for Safety - Safety and Risk – Assessment of Safety and Risk – Risk Benefit Analysis – Reducing Risk – The Government Regulator's Approach to Risk
4. **Workplace Responsibilities and Rights** - Collegiality and Loyalty – Respect for Authority – Collective Bargaining – Confidentiality – Conflicts of Interest – Occupational Crime – Professional Rights – Employee Rights – Intellectual Property Rights (IPR) – Discrimination
5. **Computers, Software, and Digital Information**
6. **Responsibility for the Environment**

#Exemplar/Case Studies :

General Motors ignition switch recalls (2014), Space Shuttle Columbia disaster (2003), Space Shuttle Challenger disaster (1986), Therac-25 accidents (1985 to 1987), Chernobyl disaster (1986), Bhopal disaster (1984), Kansas City Hyatt Regency walkway collapse (1981)

Guidelines for Conduction:

The course will exemplify the budding engineers the Code of Conduct and ethics pertaining to their area and scope of their work. The Instructor/Teacher shall explain the students the importance and impact of the ethics and code of conduct.

Confined to various courses and project/mini-project development the possible vulnerabilities and threats need to be elaborated and the students' participation need to be encouraged in designing such document explicitly mentioning Code of Conduct and Disclaimers.

Suggested set of Activities

1. **Purpose**-Introduce the concept of Professional Code of Conduct

   Method – Using Group Discussion as a platform, ask students to share one practice in their family / home that everyone has to follow. For ex. not wearing footwear in the house, taking a bath first thing in the morning, seeking blessings from elders, etc. Connect this Code of Conduct in their family to one that exists in the professional world

   Outcome – Awareness of profession-specific code of conduct and importance of adherence of that code specified. Ability to express opinions verbally and be empathetic to diverse backgrounds and values

2. **Purpose**-Impress upon the students, the significance of morality

   Method – Role play a professional situation where an engineer is not competent and is trying to copy the work of a colleague and claim credit for that work. Ask observing students to react to that situation. Alternatively, a short video that clearly shows unethical behavior can be played and ask viewers their opinion about the situation. Note to teachers – read about Kohlber's theory and Gilligan's theory to understand levels of moral behavior

   Outcome – Incite students to contemplate their own immoral behavior in public space or academic environment (like copying homework or assignment). Will coax students to introspect their own values and encourage them to choose the right path

3. **Purpose**-Highlight the importance of professional ideals like conflict management, ambition, ethical manners and accountability

   Method – Each student will have to write a 200 word essay on any of above mentioned virtues of being a good professional. On evaluation, the top 5 essays can be displayed on the college wall magazine and rewarded if deemed appropriate

   Outcome – Learn to express one's ideas and identify and relate to good virtues. Build writing skills, improve language and gain knowledge about how to write an impactful essay

4. **Purpose**-Make students aware of proper and globally accepted ethical way to handle work, colleagues and clients

Method – Teacher can form groups of 6 – 7 students and assign them different cases (these can be accessed online from copyright free websites of B-school content)

Outcome – Develop group communication skills. Learn to speak up one's opinion in a forum. Cultivate the habit of presenting solution-driven analytical arguments making them contributors in any team.

5. **Purpose** – Make students aware that technology can be harmful if not used wisely and ethically

Method – Conduct a quiz on various ethical dilemmas that are relevant in today's world pertaining to privacy right, stalking, plagiarism, hacking, weaponizing technology, AI, electronic garbage creating environmental hazard etc

Outcome – Make students aware of various adverse consequences of technology development and allow them to introspect on how to use technology responsibly.

6. **Purpose** – Expose students to professional situations where engineers must use their skills ethically and for the betterment of society and nation

Method – Students in groups of 4 can be given an assignment in the earlier session to present in front of the class one specific case where they felt unethical treatment has been meted out to a person by an engineer – either as a witness, advisor, dishonesty, improper skills testimony etc. The group has to make a short presentation and also suggested plausible solutions to that situation. Q&A from other students must encouraged to allow healthy discussion

Outcome – Become aware of unethical code of conduct in the professional world and how to follow a moral compass especially when one reaches positions of power.

7. **Purpose** – Provide an insight into rights and ethical behavior.

Method – Movies like The Social Network can be played and students can be asked to discuss their opinion about collegiality, intellectual property, friendship and professional relationships

Outcome – help them look at success stories from an ethical point of view. Develop critical thinking and evaluation of circumstances.

8. **Purpose** – Make students contemplate about ideal and safe professional environment and decide on making right decisions based on codes of conduct

Method – Students can be asked to write down 5 most important codes of conduct that they feel that every computer engineer should follow. After evaluation by teacher / experts, the collection of codes can be converted into a handbook to be given to every student as a memoir to help them in their professional life.

Outcome – Introspection and think about how to shape the professional environment. Also, when they carry back with them their own codes of conduct, they could feel bound to adhere to these ethics.

Term Work Assessment Guidelines

Students must submit the report of all conducted activities. The brief guidelines for report preparations are as follows:

1. One activity report must be of maximum 3 pages;

2. Combined Report of all activities with cover pages, table of contents and certificate (signed by instructor) is to be submitted in soft copy (pdf) format only.

3. The report must contain:

- General information about the activity;
- Define the purpose of the activity;
- Detail out the activities carried out during the visit in chronological order;
- Summarize the operations / process (methods) during the activities;
- Describe what you learned (outcomes) during the activities as a student;
- Add photos of the activity;(optional)
- Add a title page to the beginning of your report;
- Write in clear and objective language; and
- Get well presented, timely and complete report submitted.

Recommended Assessment and Weightage Parameters:

(Attendance 30%, Assignments/Activities- Active participation and proactive learning 50% and report 20%)

Term Work Assessment Guidelines

Students must submit the report of all conducted activities conducted during Tutorial (Outside Classroom) of at least 04 activities (out of 07 activities) from group (of 02-03) students.

The brief guidelines for report preparations are as follows:

1. One activity report must be of maximum 3 pages;

2. Combined Report of all activities with cover pages, table of contents and certificate (signed by instructor) is to be submitted in soft copy (pdf) format only.

3. The report must contain:

- General information about the activity;
- Define the purpose of the activity;
- Detail out the activities carried out during the visit in chronological order;
- Summarize the operations / process (methods) during the activities;
- Describe what you learned (outcomes) during the activities as a student;
- Add photos of the activity;(optional)
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Recommended Assessment and Weightage Parameters:

(Attendance 30%, Active participation and proactive learning 50% and report 20%)

Web Links:

- https://www.ieee.org/about/compliance.html
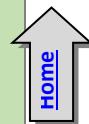- https://www.cs.cmu.edu/~bmclaren/ethics/caseframes/91-7.html
- https://www.nspe.org/
- http://www.ewh.ieee.org/soc/pes/switchgear/presentations/tp_files/2017-1_Thurs_Shiffbauer_Singer_Engineering_Ethics.pdf

MOOC/ Video lectures available at:

- https://swayam.gov.in/nd1_noc20_mg44/preview

@The CO-PO Mapping Matrix

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	-	-	-	-	-	-	2	2	-	-	-	-
CO2	-	-	-	-	-	-	2	2	-	-	-	-
CO3	-	-	-	-	-	-	3	2	-	-	-	-
CO4	-	-	-	-	-	-	2	3	-	-	-	-

Savitribai Phule Pune University		
Second Year of Computer Engineering (2019 Course)		
210250: Humanity and Social Science		
Teaching Scheme	**Credit Scheme**	**Examination Scheme and Marks**
Tutorial: 01 Hours/Week	**01$**	**Term work$:** **25 Marks**

Course Objectives:

To enable the students to explore aspects of human society and to acquire the intellectual, communication skills and develop characteristics that encourages personal fulfilment, meaningful professional life and responsible citizenship.

- To facilitate Holistic growth;
- To Educate about Contemporary, National and International affairs;
- To bring awareness about the responsibility towards society.
- To give an insight about the emergence of Indian society and the relevance of Economics.

Course Outcomes:

On completion of the course, learner will be–

CO1: **Aware** of the various issues concerning humans and society.

CO2: **Aware** about their responsibilities towards society.

CO3: Sensitized about broader issues regarding the social, cultural, economic and human aspects, involved in social changes.

CO4: **Able** to understand the nature of the individual and the relationship between self and the community.

CO5: **Able** to understand major ideas, values, beliefs, and experiences that have shaped human history and cultures.

Course Contents

Preamble:

As applied sciences, Engineering and Technology are meant to come up with effective solutions to social problems making it imperative that the present generation of engineers and technologists understand the society they live in. Studying the social sciences can provide individuals with crucial answers and observations that could certainly help in understanding of one's life which can alleviate social relations. A broad perspective of nationalistic thinking will provide the students with the ability to be socially conscientious, more resilient and open to building an inclusive society.

Experiencing real-life situations and complex scenarios that arise in each situation will help the budding professions to contribute their skills and knowledge to helping people improve and understand their behaviour or psychological processes. Understanding how the world works begins with an understanding of oneself and gaining hands-on experience and/or thinking about human values and ethics will help trigger a sense of responsibility among the students and lead them to finding effective solutions.

Course Structure: The tutorial sessions to be divided into 2 groups

    1. Interactive Sessions to be conducted in classroom

    2. Interactive Activities to be conducted Outside Classroom

MOOC/ Video Lectures available at$:

- https://nptel.ac.in/courses/109/103/109103023/
- https://nptel.ac.in/courses/109/107/109107131/

- Teachers will play the role of interventionists and instigating students to apply their thinking abilities on social concepts
- As facilitators and mentors teachers will coax the students to thinking out-of-the-box to come up with creative solutions
- Teachers should focus on instilling a sense of social consciousness through the activities conducted indoors and outdoors.

Home

Change of Mindset

- Since the course deviates from technical subjects, students will have to be counseled into the importance of social sciences
- A background understanding of the importance of this course in their professional and personal life will have to be enumerated to the students
- Teachers will have to rationalize the course outcomes to get the students invested in the activities being conducted

Designing of Course

- Since students lack prior knowledge, it is imperative that the tutorials conducted be engaging in its activities
- Focus of the sessions should be the learning outcome of each activity conducted either in the class or outside the class
- All activities designed should be as close to real-life making them relatable and applicable
- Student-engagement should be a priority so that the knowledge internalized will be higher
- The activities chosen can be modified to cater to the college location and social context
- The learning should be focused on application of ethics and values during each activity
- The chosen sessions should cater to giving the students the opportunity to be involved and engaged in their role as contributors to society and the nation at large

Basic function of the tutor

- To present a holistic view of the curriculum and the role of this course in it and emphasizing the benefit of the sessions towards developing communications kills, critical thinking and problems solving
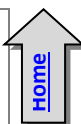
Grouping

- The class will be divided into groups of 20 students
- The blend of cultural and social diversity will enhance the learning at the end of each activity
- Teachers will have to be mentored to handle sensitive issues diplomatically while encouraging students to stand up for their beliefs
- The groups will have to have inter-personal sessions so that they get to understand their team members better and work cohesively
- Management support and encouragement to engage students in life-enriching experiences is important
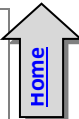
Assessment of Learning

- It is important for tutors to make sure that assessment is consistent with learning objectives of each activity
- Assessment of students should be focused on the students' ability to internalize the learning
- Tutors need to understand meaningful ways of assessing students' work to motivate learning

Tutorial Conduction and Term Work guidelines

Interactive Sessions to be conducted during Tutorial (in classroom)

1. PREPARED SPEECH ON CURRENT AFFAIRS
   a. Purpose – Get students to stay abreast and invested in national current affairs
   b. Method – Each student has to read an editorial from any national paper (English), find out more information on the topic and present it to the class; ending the session with his/her opinion on the matter
   c. Outcome – Awareness of national state of affairs. Improve on oratory skills. Instil the thinking and contemplative skills and form non-judgmental opinions about an issue
2. UNDERSTANDING INDIA'S CULTURAL DIVERSITY
   a. Purpose – Expose students to the intricacies of Indian cultural across various states
   b. Method – Each student (or a small group of students in case the number of students is large) has to pick a state and come to the tutorial session prepared with a PPT that will showcase the demographic, sociographic and cultural information of that state
   c. Outcome – Information about the beauty of Indian cultural diversity. Enhance exploratory skill, communication skills and learn to present using technological tools.

3. WRITING AN ARTICLE ON ANY SOCIAL ISSUE
   a. Purpose – Highlight various social and cultural evil malevolence existing in our country and express one's opinion on how it can be changed
   b. Method – Each student will have to write a 200 word essay on any of existing social malice that is prevalent in society. On evaluation, the top 5 essays can be displayed on the college wall magazine and rewarded if deemed appropriate
   c. Outcome – Learn to raise one's voice against the wrong doings in communities. Build writing skills, improve language and gain knowledge about how to write an impactful essay

4. GROUP DISCUSSION ON COMMUNAL TOPIC
   a. Purpose – Make students aware of the issues that are pertinent in a society and express a learned opinion about it
   b. Method – Students in groups of 20 each will discuss a relevant and grave issue that is dogging the nation. Alternatively, topics from current affairs (National budget, democratic process, economical strengthening of the country).
   c. Outcome – Develop group communication skills. Learn to speak up one's opinion in a forum. Cultivate the habit of presenting solution-driven arguments making them contributors in any team

5. QUIZ ON SOCIAL BEHAVIOR
   a. Purpose – Augment proper social etiquette among students and make them responsible citizens
   b. Method – Conduct a quiz on traffic rules using audio-visual aids or using dumb charades where one student has to enact the traffic rule and the others have to guess that rule
   c. Outcome – Grasp of various traffic rules and driving etiquette. Build verbal and non-verbal communication skills

6. SCREEN A MOVIE (FOCUS ON POSITIVITY AND POWER OF THE MIND)
   a. Purpose – Expose students to introspective skills and try to develop a positive thinking in life
   b. Method – Screen a movie / a documentary / a video that focuses on the power of the mind and how to create affirmations in one's life. At the end of the movie, students can be asked to express their opinions and write down what changes / improvements they plan to take in their choices thereafter. This can be followed by a guest lecture by expert/s or workshop
   c. Outcome – Comprehend the areas of improvement within themselves. Understand the importance of staying positive and develop affirmations

7. QUIZ ON SOCIAL BEHAVIOR
   a. Purpose – Augment proper social etiquette among students and make them responsible citizens
   b. Method – Conduct a quiz on traffic rules using audio-visual aids or using dumb charades where one student has to enact the traffic rule and the others have to guess that rule
   c. Outcome – Grasp of various traffic rules and driving etiquette. Build verbal and non-verbal communication skills

8. SCREEN A MOVIE (FOCUS ON POSITIVITY AND POWER OF THE MIND)
   a. Purpose – Expose students to introspective skills and try to develop a positive thinking in life
   b. Method – Screen a movie / a documentary / a video that focuses on the power of the mind and how to create affirmations in one's life. At the end of the movie, students can be asked to express their opinions and write down what changes / improvements they plan to take in their choices thereafter. This can be followed by a guest lecture by expert/s or workshop

    c. Outcome – Comprehend the areas of improvement within themselves. Understand the importance of staying positive and develop affirmations

9. DEBATE ON A TOPIC FROM SOCIAL SCIENCES

    a. Purpose – Educate students about various domains in social sciences and develop an interest towards gaining knowledge about these topics

    b. Method – Various topics from various domains of social sciences can be chosen and students in pairs can pick a topic and present their arguments for or against the topic. Time for each debate will be 10 minutes maximum

    c. Outcome – Recognize the significance of social sciences in our lives. Cultivate the habit to present forceful arguments while respecting the opponents perspective and enhance verbal skills.

Interactive Activities to be conducted during Tutorial (Outside Classroom)

1. WASTE MANAGEMENT and CLEAN CAMPUS

    a. Purpose: Create awareness among students about the significance of a clean environment and social responsibility to deter littering and segregate waste

    b. Method: Students (in groups) will be given charge of areas of campus and will be expected to clean that segment. Also, they will be entrusted with the responsibility to collect, separate waste and hand over to the housekeeping authority

    c. Outcome: Develop the habit to maintain cleanliness at home as well as learn to respect community areas at college or workplace. It will also encourage them become ambassadors among their peers to advocate protection of the environment

2. MAKING A VIDEO ON SOCIAL WASTAGES.

    a. Purpose: Instil among students a sense of responsibility towards judiciously using natural resources like water and electricity

    b. Method: Using their phones / hand-held devices, groups of students will make a 3 – 4 minute short film that will highlight irresponsible behavior in terms of wastage of water, leaving lights, fans and other electrical appliances on when not in use, defacing public and campus property by scribbling on walls and common areas. They will make awareness for the same among students. The creative videos will be posted on the college website and social media as an encouragement

    c. Outcome: Conscientious behavior towards saving public utility resources. Explore the use of audio-visual tools to create more meaningful messages that can effect a change in society

3. RELAY MARATHON (3 – 5 kms)

    a. Purpose: Propagate a social message by way of a sport activity

    b. Method: A group of students will begin the race with banner / placard in hand that contains a social message. The group runs for 500 meters and hands over the banner / placard to the next group of students. This chain of exchange will continue for 3 – 5 kms.

    c. Outcome: Become aware of the need for fitness and encouragement towards healthier lifestyle. Students will also be able to express their creativity in terms of meaningful messages and gain attention towards worthy social causes from the community in and around the campus.

4. TREE PLANTATION ON CAMPUS

    a. Purpose: Involve students to actively participate in environment protection and develop greener surroundings

    b. Method: Each student will plant a sapling and take care of that plant until it is able to sustain itself. Alternatively, students can organize a tree plantation drive in a public area and nurture it

    c. Outcome: Besides increase in plants in the locality, students will feel a sense of empowerment and become social contributors towards protecting the environment.

5. VISIT TO AN OLD AGE HOME / ORPHANAGE

    a. Purpose: Build a sense of responsibility towards the less fortunate in our society and feel privileged to be able to effect real change in the world around us

    b. Method: Students have to visit an old age home or orphanage in the vicinity of the college. They can interact with the inmates, probably donate utilities to the charity organization and/or probably stage a few inclusive activities with the residents of the place. After the visit, students can submit a brief report about their experience

    c. Outcome: Learn first-hand about the conditions and social situations that the no-so-privileged members of our society have to endure to survive and go beyond their embarrassment to interact with the destitute which will help students appreciate the importance of Indian family values

6.   STREET PLAY ACTIVITY
    a. Purpose: Create awareness in themselves as well as people in the community on various social evils that need to be eradicated
    b. Method: Students will prepare and enact a street play on any pertinent issues in society. The topics suggested can be perils of mobile phones / online fraud / safety for girls / mental and physical health of the youth.
    c. Outcome: Allow students to deliberate and think deeply about the looming issues that is dogging our society and the future of the youth. This will also bring out the creative skills among the students and allow them to showcase their talent.

7. BUDDY / BIG BROTHER SYSTEM
    a. Purpose: Include and involve the less fortunate children making them feel wanted and cared for as well as use the opportunity to share knowledge among school students.
    b. Method: Students have to go to nearby schools after procuring appropriate permissions to teach a particular topic on either technical or non technical domains. Each student can choose to adopt 5 students from the class to be their mentor over a period of 1 year by staying in touch with them and helping them resolve their issues on academic or other matters.
    c. Outcome: Appreciation and respect towards the responsibility of teaching. They will learn to be accountable as social contributors and bring about some change in the lives of the young students they mentor as Buddies or Big Brother.

Term Work Assessment Guidelines

Students must submit the report of all conducted activities conducted during Tutorial (Outside Classroom) of at least 04 activities (out of 07 activities) from group (of 02-03) students.
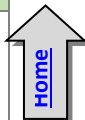
The brief guidelines for report preparations are as follows:

1. One activity report must be of maximum 3 pages;
2. Combined Report of all activities with cover pages, table of contents and certificate (signed by instructor) is to be submitted in soft copy (pdf) format only.
3. The report must contain:
   - General information about the activity;
   - Define the purpose of the activity;
   - Detail out the activities carried out during the visit in chronological order;
   - Summarize the operations / process (methods) during the activities;
   - Describe what you learned (outcomes) during the activities as a student;
   - Add photos of the activity;(optional)
   - Add a title page to the beginning of your report;
   - Write in clear and objective language; and
   - Get well presented, timely and complete report submitted.

Recommended Assessment and Weightage Parameters:
(Attendance 30%, Assignments/Activities-Active participation and proactive learning 50% and report 20%)

Learning Resources

Books:

1. A. Alavudeen, M. Jayakumaran, and R Kalil Rahman, "Professional Ethics and Human Values"
2. Ram Ahuja, "Social Problems in India" (third edition)
3. Shastry, T. S. N., "India and Human rights: Reflections", Concept Publishing Company India Pvt. Ltd., 2005.
4. Nirmal, C.J., "Human Rights in India: Historical, Social and Political Perspectives (Law in India)", Oxford India
5. Rangarajan, "Environmental Issues in India", Pearson Education.
6. University of Delhi, The Individual and Society, Pearson Education.
7. Wikipedia.org / wiki /social studies.
8. M. N. Srinivas, "Social change in modern India", 1991, Orient Longman.
9. David Mandelbaum, Society in India, 1990, Popular.
10. Dr. Abha Singh, "Behavioral Science: Achieving Behavioral Excellence for Success", Wiley.

e-Books:

- https://www.moteoo.org/en/products/social-science-and-humanities-student-book-english
- https://www.springeropen.com/books
  (SpringerOpen open access books; download them free of charge from SpringerLink)
- https://muse.jhu.edu/article/541846/pdf
  (This content has been declared *free* to read by the publisher during the COVID-19)

@The CO-PO Mapping Matrix

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	-	-	-	-	-	-	2	2	2	-	-	-
CO2	-	-	-	-	-	-	2	-	-	-	-	-
CO3	-	-	-	-	-	-	-	2	2	-	-	1
CO4	-	-	-	-	-	-	2	2	2	-	-	-
CO5	-	-	-	-	-	-	-	2	-	-	-	-
CO6	-	-	-	-	-	-	-	-	-	-	-	-