

**JCEI's JAIHIND COLLEGE OF ENGINEERING, KURAN
DEPARTMENT OF ARTIFICIAL INTELLIGENCE
AND DATA SCIENCE**



CERTIFICATE

This is to certify that the
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under the subject

“CODE OF CONDUCT (217534)”

SUBMITTED BY

Mr. Thorve Avishkar Shrikrushna

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Is a Bonafede work carried out by student under the supervision of **Prof. Jadhav S.P.** and it is submitted towards the partial fulfilment of the requirement of Second Year of Computer Engineering.

Prof. Jadhav S.P.

Subject Teacher

Dept. of AI& DS

Prof. Said S.K.

Head of Department

Dept. of AI & DS

Dr. D. J. Garkal

Principal

JCEI's JAIHIND COLLEGE OF ENGINEERING, KURAN

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“REPORT WRITING”

UNDER THE SUBJECT

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Yours's faithfully,
Thorne Avishkar Shrikrushna

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- **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.

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MORAL, ETHICS AND RITES

Ethics is defined as a moral philosophy or code of morals practiced by a person or group of people. An example of ethics is the code of conduct set by a business. Ethics are important not only in business but in academics and society as well because it is an essential part of the foundation on which a civilized society is built. Ethical behaviour is what all career people should aim to have. Not just the ethical attribute but exceptional behaviour with this regard. This is because in order to build a career, one must be governed by the rules of ethics to safeguard oneself and others. Ethics are essential in the workplace because a tough ethical code provides a non-threatening environment with high

The truth is that, these traits are becoming rare in careers. Having respect and the right attitude at work will help a person to develop not only at work but in life as well.

Academic dishonesty is another facet of unethical behaviour. It is an action or attempt that results in creating an unfair academic advantage for oneself or a disadvantage for any other member of academic community. A child uses his or her experiences in society to shape personal ethics.

Family has a strong influence on one's values and behaviour, parents establish rules from the start and it becomes the basis for our ethics and morals. A personal ethical commitment is part of what makes students a success. A lack of ethical commitment will always result in academic failure. I personally believe that students who are academically dishonest cheat themselves out of an education and harm their fellow students by screwing the grading curve for the class as a whole. Therefore, academic ethics are vital and students should commit themselves to maintaining highest personal ethical standards.

TITLE 1: Conduction of Group Discussion to introduce the concept of Professional Code of Conduct.

INTRODCUTION:

A professional code of conduct is a document that explains to employees how they are expected to act on behalf of their company. A code of conduct can include elements like the values of the business, disciplinary steps, the and responsibilities. The intention of codes of conduct is to provide guidelines for the minimum standard of appropriate behaviour in a professional context. Codes of conduct sit alongside general law of the land and the personal values of members of the profession.

Engineering is an important and learned profession as it has direct and dynamic impact on the quality of life of people. Professional Ethics can be considered as the personal, social, organizational and corporate ideologies of behaviours expected from a professional. In a professional environment ethics is all about development of reasonable standards for deciding between what is right and wrong or goodness and badness, an established set of moral beliefs, normative rules of conduct, and a description about what one should do instead of what one will do in any particular instance.

The primary value of a professional code of conduct is not as a checklist for disciplining non-conforming members, although breaches of a code of conduct usually do carry a professional disciplinary consequence. Rather, its primary value is to act as a prompt sheet for the promotion of ethical decision-making by members of that profession.

IMPORTANCE & SCOPE:

Why is a code of ethics important?

A code of ethics is important because it clearly lays out the rules for behaviour and provides the groundwork for a pre-emptive warning. A code of ethics or code of conduct is a written collection of the rules, principles, values, and employee expectations, behaviour, and relationships that an organization considers significant and believes are fundamental to their successful operation. It provides a framework and a standard for ethical decision making within the organization. In addition to its importance within the organization, the code of ethics may inform customers, vendors, and other external stakeholders what is valued by the organization, its management, and employees. The effectiveness of an organization's code of ethics depends heavily on whether management supports and follows the code a

The effectiveness of an organization's code of ethics depends heavily on whether management supports and follows the code and how employees who break the code of ethics

are treated. The scope of ethics indicates its subject matter. Ethics as normative science deals with moral ideal or the good in order to enquire the nature of our conduct. It enquires into the nature of the springs of actions, motives, intentions, voluntary actions and so on. It determines rightness or wrongness of human actions.

DEVELOP A CODE OF ETHICS:

Following are the steps you can follow to create your own professional code of ethics :

1. Determine your purpose for writing a personal code of ethics:

Establish your personal reasons for developing this code. You may want to do it to guide your behaviour in day-to-day situations or to serve as an inspiration to help you embody the kind of person you want to be.

Understanding your

individual reasons will help you shape your code of ethics, creating a set of principles tailored to your life, beliefs and needs.

2. Make a list of your traits:

Write down the traits that you strongly believe represent you as a person. These can include personal traits, such as honesty, kindness, integrity or any other characteristic you associate with your behaviour. Ask yourself if people close to you would agree with your assessment. By determining your traits, you can create a more definite and honest code of ethics.

3. Consider your relationships:

Imagine individual relationships you have with others and determine what you would like to change about each one. If you work closely with others, determining the quality of your relationships will allow you to create a **statement for how you want to maintain or improve them.**

4. Create a set of statements to follow:

Develop a list of statements that can serve as a guide for what sorts of actions you will take to meet your own expectations. Incorporate your current traits as well as the traits you want to embody going.

5. Develop guidelines

Create clear guidelines, or rules, that you intend to follow when interacting with other people on a day-to-day basis. You might also include definitive personal statements that can serve to remind you of the importance you place on applying your personal code of ethics to your life.

CODES OF CONDUCT PROVIDES BENEFITS TO:

- Code of ethics sets the right culture and builds a good reputation. It impacts company's financial performance and helps attract great employees. However, we shouldn't confuse it with code of conduct. Explore more benefits and characteristics of a code of ethics.
- It shows your customers that you value integrity. If you live up to your code, they can do business with you and be confident that you will not cheat them to make a buck.
- It tells your employees what you want from them. You may think the principles by which you run the company are intuitively obvious, but your employees' ethics may not be the same. Spelling out your code of conduct put everyone on the same page.

CONCLUSION:

Code of ethics is a basic need for any career. It shows that sustain the career is served services in the right way and without take any harm to the public or client direct or indirectly. So as an engineer, code of ethics definitely needed from time to time to ensure the best effort and solution is make which proven the trusted directly to the client, employer and even public without any self-benefit related. The disaster cases happened in the engineering field at the past show the irresponsible and emphasize of the human safety. The improper design and calculation error like the tragedy in Hyatt Regency hotel walkway causes the injuries and deaths. The lack of emphasizing human safety like the Fukushima Daichi nuclear plant due to the location design of the backup cooling system at the low sea level had causes the wide area of radiation which is not suit for human living.

OUTCOME:

We successfully understood the concept of Professional code of conduct.

TITLE 2: Importance of Professional Ideas on Conflict Management.

Conflict Management

INTRODUCTION:

Conflicts are often Produce a negative Implication on the Performance Organisations Comprises people from different cultural, professional, racial, age, and other demographic backgrounds. The Suggests managers & leaders with organisation encounter immense challenges in a bid to seek effective strategies of Recruitment developing and reacting the most Talented person inan organisation.

In healthy organisation conflicts are predictable such people have different opinion and views towards various issues that are encountered in daily activities of an organisation workplace as issues that generate frequently expression of emotion and fractions of employee collaboration may give rise to the workplace conflicts other include poor and inadequate communication, which give rise to misunderstanding Limited organization research which leads to competition and conflicting needs.

To handle this conflict in workplace adaptation of disciplinary measure for employee engaging in unproductive conflicts. before a disciplinary actionis adopted, intra communication and intro communication strategies are vital. this cause for HR manager to passes good interpersonal and interpersonal communication skills from an organisation dimension the goal is to enhance motivation and commencement of all employees in their work diversity its management is also and approach to resolution of workplace conflicts. conflicts refer to various issues emerging in workplace that create emotions such as anger frustration it's such emotion produce positive and negative impacts so for instance positive impacts May encompass the provisionfor an opportunity for organisation growth.

OUTCOMES:

learn to express 15 days and identify and create two good virtues. buildwriting skills, improve language and gain knowledge about how to write an essay.

TITLE 3: Awareness of proper and globally accepted ethical way to handle, work colleagues and clients by analysing few case studies.

Introduction:

As an experienced professional, I have seen many conflicts arise in the workplace. Some conflicts are small and easily resolved, while others can escalate into major issues that can have a significant impact on the workplace environment. Conflict management is an essential skill for any manager or employee, as it helps to create a positive work environment and improve productivity. In this article, I will discuss the importance of conflict management in the workplace and provide strategies for implementing it effectively.

1. Understanding Conflict Management in The Workplaces

Conflict management is the process of identifying and resolving conflicts in the workplace. It involves finding a solution that satisfies all parties involved and prevents the conflict from escalating into a larger issue. Conflict management is essential because it helps to create a positive work environment, improve communication, and boost productivity. Conflict management is not about avoiding conflicts but rather dealing with them in a constructive manner.

2. The Impact of Conflicts in Management

Conflicts in management can have a significant impact on the workplace environment. They can lead to a decrease in productivity, a decline in employee morale, and an increase in employee turnover. Conflicts can also lead to communication breakdowns, which can make it difficult for employees to work together effectively. If conflicts are not resolved in a timely manner, they can escalate into larger issues that can have a significant impact on the organization as a whole.

3. Types Of Conflicts in The Workplace

There are many types of conflicts that can arise in the workplace. Some common types of conflicts include personality conflicts, communication conflicts, and conflict over resources. Personality conflicts can arise when employees have different communication styles, work habits, or personal

beliefs. Communication conflicts can arise when employees have different communication preferences or misunderstand each other. Conflict over resources can arise when employees compete for resources such as time, money, or equipment.

4. Conflict Resolution Strategies

There are several strategies for resolving conflicts in the workplace. One strategy is to encourage open communication between parties. This can involve having a neutral third party mediate the conversation or having the parties involved engage in active listening. Another strategy is to find a compromise that satisfies all parties involved. This can involve finding a solution that meets the needs of both parties or finding a solution that is partially satisfactory to each party. Finally, conflict resolution can involve finding a win-win solution that benefits both parties involved.

5. Implementing Conflict Management in The Workplace

Implementing conflict management in the workplace involves several steps. The first step is to create a culture of open communication where employees feel comfortable expressing their concerns. This can be achieved by encouraging employees to share their thoughts and ideas during team meetings or by having regular one-on-one meetings with employees. The second step is to

provide [conflict management training](#) to employees. This can involve providing employees with conflict resolution strategies or providing them with the skills necessary to facilitate productive conversations. The third step is to create policies and procedures that address conflict management. This can involve creating a conflict resolution process or providing employees with a conflict management handbook.

6. Steps To Managing Conflict in The Workplace

Managing conflict in the workplace involves several steps. The first step is to identify the conflict and understand the parties involved. This can involve gathering information from all parties, including their perspectives and concerns. The second step is to create a safe environment for the parties involved to communicate openly. This can involve setting ground rules, such as active listening or avoiding personal attacks. The third step is to find a solution

that satisfies all parties involved. This can involve finding a compromise or a win-win solution that benefits both parties.

7. Common Mistakes In Conflict Management

There are several common mistakes that can occur in conflict management. One common mistake is to avoid conflict altogether. This can lead to a breakdown in communication and can make it difficult to address issues that arise. Another common mistake is to escalate the conflict by becoming defensive or attacking the other party. This can lead to a breakdown in communication and can make it difficult to find a solution that satisfies all parties involved. Finally, a common mistake is to focus on the problem rather than the solution. This can lead to a prolonged conflict that is difficult to resolve.

8. Benefits Of Effective Conflict Management

Effective conflict management can have many benefits in the workplace. It can lead to a positive work environment, improved communication, and increased productivity. Effective conflict management can also improve employee morale and reduce employee turnover. It can lead to better problem-solving skills and more creative solutions. Finally, effective conflict management can improve the overall culture of the workplace and create a more positive image of the organization.

9. The Johari Window

The **Johari Window** is valuable for understanding interpersonal conflicts and improving team self-awareness, communication, and trust. Developed by psychologists Joseph Luft and Harrington Ingham in the 1950s.

The Johari Window consists of four quadrants representing different aspects of our personalities and how others perceive them.

10. Training For Conflict Management In The Workplace

Training for conflict management in the workplace can be beneficial for employees at all levels. It can provide them with the skills necessary to facilitate productive conversations, resolve conflicts, and create a positive work environment. Training can involve providing employees with conflict resolution strategies, providing them with the skills necessary to facilitate productive conversations, or providing them with the knowledge necessary to create policies and procedures that address conflict management.

Conclusion:

Conflict management is an essential skill for any manager or employee. It helps to create a positive work environment, improve communication, and boost productivity. By understanding the impact of conflicts in management, identifying the different types of conflicts that can arise in the workplace, and implementing conflict resolution strategies, employees can manage conflicts effectively and create a more positive workplace environment. Training for conflict management can provide employees with the skills and knowledge necessary to facilitate productive conversations and resolve conflicts in a constructive manner. By implementing effective conflict management strategies, organizations can create a more positive culture and improve their overall image.

Outcomes: -

Understanding conflict allows leaders to manage it more effectively and can provide a path to accomplishing positive outcomes.

TITLE 4: Awareness of proper and globally accepted ethical way to handle work, colleagues and clients by analysing few case studies.

CASE STUDY: CONFLICT MANAGEMENT

An employ conflict of interest can be complex.

If you suspect an employee conflict of interest (or they disclose one to you), it can be hard to know how to move forward. A timely, well-documented analysis of the situation ensures your organization will only end up in the news for the right reasons.

INTRODUCTION:

Professional ethics and codes of conduct:

At its simplest, ethics is a system of moral principles. They affect how people make decisions and lead their lives. Ethics is concerned with what is good for individuals and society and is also described as moral philosophy. The term is derived from the Greek word *ethos* which can mean custom, habit, character or disposition.

Professional ethics are principles that govern the behaviour of a person or group in a business environment. Like values, professional ethics provide rules on how a person should act towards other people and institutions in such an environment. Unlike values, professional ethics are often codified as a set of rules, which a particular group of people use. This means that all those in a particular group will use the same professional ethics, even though their values may be unique to each person. The Code is an example of a codified set of professional ethics for those who choose to enter the immigration advice profession.

Code of ethics sets the right culture and builds a good reputation. It impacts company's financial performance and helps attract great employees. However, we shouldn't confuse it with code of conduct. Explore more benefits and characteristics of a code of ethics below.

Supporting point 1: Ethical principles:

Ethical principles underpin all professional codes of conduct. Ethical principles may differ depending on the profession; for example, professional ethics that relate to medical practitioners will differ from those that relate to lawyers or real estate agents.

However, there are some universal ethical principles that apply across all professions, including:

- 1· Honesty
- 2· Trustworthiness
- 3· Loyalty
- 4· Respect for others
- 5· Adherence to the law
- 6· Doing good and avoiding harm to others
- 7· Accountability.

Supporting points 2: Codes of conduct:

Codes of conduct draw on these professional ethical principles as the basis for prescribing required standards of behaviour for members of a profession. They also seek to set out the expectations that the profession and society have of its members. The intention of codes of conduct is to provide guidelines for the minimum standard of appropriate behaviour in a professional context.

Codes of conduct sit alongside the general law of the land and the personal values of members of the profession. The primary value of a professional code of conduct is not as a checklist for disciplining non- conforming members, although breaches of a code of conduct usually do carry a professional disciplinary consequence. Rather, its primary value is to act as a prompt sheet for the promotion of ethical decision-making by members of that profession.

CONCLUSION:

Professional ethics express what a professional society is about. They are an emblem to focus on, to support, to identify with and to advocate for. Our Code expresses who we are, what we do, and shows how our profession functions for the good of all. Integrity is an ethical stance that leads an individual to adhere to his or her values. An ethical code is a listing of principles, values and aspirations based on desired conduct and born in the traditions of the healing professions. It is more than a set of polite rules or an excuse for promoting self-interest. Codes serve as a touchstone by which all members of a profession can judge the acceptable parameters of behaviour and is the basis for self-regulation. This is why being a professional person is a privilege and carries both benefits and responsibilities.

TITLE 5: Making aware that Technology can be harmful if not used Wisely and ethically.

INTRODUCTION:

Electronic waste or e waste is a term used to describe old end of life electronic appliances such as computer laptop tv DVD players etc which have been dispatched by their original user.

they are made up of multitude of components from containing toxic substances that have adverse effects/impact on human health and environment if not handled properly. it can have serious repercussions for those in proximity to places where e waste is recycled Orbit computer contains highly toxic chemical like lead cadmium Mercury chloride Phosphorus compounds

environment and health hazard:

1. Lead:

Exerts toxic effect on various system in body such as central nervous system hemopoietic system and the reproductive system.

2. Mercury:

Causes damage to reproductive system central & peripheral nervous System when Inorganic Mercury spreads out in water it is transformed into Methylated Mercury which is a Bio accumulate in Living Organism.

3. Cadmium:

It is long term cumulative poison. It accumulates in human body especially in kidney.

4. Polycyclic Aromatic Hydrocarbons (PAH):

Affects lungs skin and bladder PAH provides sufficient evidence of the role of PAH in induction of skin and lung cancer.

OUTCOMES:

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

TITLE 6: Exposure to professional situations where engineers must use their skills ethically and for the betterment of society and nation. Each group will conduct a presentation followed by Q&A round.

CASE STUDY:

- Manoj's a reputed structural engineer and is working for a major metro rail project. He is in charge of design, construction and positioning of pillars of metro flyover.
- A junior engineer in his team tells him that there is a major flaw in two erected pillars supporting a section of the flyover and they should be replaced/readjusted at any cost. These two pillars supported a flyover curve and if collapsed, it would cause a major accident and put many lives into danger. Moreover, in few days it is to be inaugurated for trial runs.
- Manoj brushes aside the apprehension and warning by his junior. But later in the evening, on second thought, he once again scrutinizes his plans and drawings, and finds that his junior was indeed right.
- Accepting his mistake would tarnish his reputation for Manoj. If any accident happens, which is certain to happen at certain point of time in future, it would affect the reputation of the company that constructed it. It will embarrass the government too.
- Also, replacing the pillars would inflate the cost for the company and would further delay the project.

• Questions & Answers:

1) What should Manoj ideally do?

Ans:- Having realised that there is a possibility of flaw in the structure of the pillars erected, he should prepare a report considering the design, structure, flaws and the consequences of such an erection. The report should also take into consideration the costs of reconstruction and the time stipulated for completion. He should then give this report to his seniors and take their written views on the same. In the situation, he is solely responsible for the Project, having analysed and being convinced about the structural flaws, he should take steps to amend the same even if it means a slight blow on the reputation and costs and time.

2) What would be the legal and ethical consequences of Manoj's continued silence?

Ans: - Continued silence may bring him and his team accolades for timely completion of a prestigious and big project in short term, but in the event of an almost certain accident will bring in lot of legal implications, the company can be sued for faulty design and negligence on charges of causing death due to negligence, imposed with heavy penalties, ex-gratia to the deceased & injured and even black listed for further business. The costs incurred will be many times larger for the company if he does not proceed with design and pillar position change. Ethically he may not forgive himself for keeping silent over this known negligence which causes deaths of many innocent citizens. Despite being warned by his team mate within time.

3) What are the qualities that are tested in this case study? Examine.

Ans:- This case study tests the quality of "putting others before self" of an individual. By admitting his mistake, his reputation will suffer drastically and may even result in demotion or loss of job, while by keeping silent he would put lives of large number of innocent lives in danger. Thus, this case study examines whether a person is capable to take a tough stand to ensure greatest benefit to greatest number people, even if at his own cost.

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.

TITLE 7: Providing on Insight-rights & Ethical Behaviour.

METHOD: Submit a Writeup on Various Short Stories based on Good Teamwork.

Good Teamwork - Football game.

It was bright sunny morning & the football ground was shining with rays from Sun. Seeing this a group of boys nearby decided that we will play a football match & each one of us can bring something used for matches. One can bring football, another other flag, goalpost etc. After sometimes everyone gathered on ground started picking teams. Soon there was a slight argument about who had bought most important objects to play game will pick team. Time passed, but they couldn't decide which is most important thing. Then they decided will start playing game with an object the boys have bought one by one will get rid of objects & see finally which is important for playing.

The game started. First thing they get rid of was whistle then goalkeeper removed his gloves & started saving ball without gloves then they replaced goal post with couple of bins each side & finally. They replaced football with old tin kept playing while they were playing game a father & son were passing nearby seeing this father said to his son, son see the boys & learn from kids, without football they were managing to play football even though they never going to improve the game by playing with those objects.

MORAL:

In our life, everyone has an individual goal which we want to achieve but what is more important is team's good when you work as team it's very important to set aside your individual pride & ego work towards team goals. In this process you will also achieve your individual goal learning a new process etc.

OUTCOMES

helping us look at success stories from an ethical point of view Develop critical thinking & evaluation of Circumstances.

TITLE 8: Contemplating about ideas & safe Professional environment & decide on making right decisions on codes of conduct.

METHOD: write down most important codes of conduct that they feel that every energy computer Engineer should follow.

1.Be inclusive:

We welcome and support people of a background identifies this include but is not limited to mem. beers of any several orientation gender identities. hake callus national origin. Economic sausage. Size, religion etc.

2. Be considerate:

we depend on each other to produce the best work we come a company; your decisions will affect. diets & Colleague She take those consequents. aces into account when making decisions.

3.Be respected:

we won't agree all the time, but disagreement is no excuse for disrespect & I behaviour in environment where people feel uncomfortable are treated is not a productive or Creative.

4.Choose your words carefully:

Always conduct yourself Professionally Baking to others. Do not insult or put down others. This includes but is not limited to in

- Threats of violence.
- Discriminatory jokes & languages.
- Personal insults especially using racist.

5.Making differences into strengths:

we can find Strength in diversity. Different people have different perspective an issues & that can be variable for solving problem Being unable to understand why some he holds a viewpoint -defend mean that they're wrong. Instead focus on resolving issues & Learning from mistakes.

OUTCOMES:

Introspects a think about how to shape the Professional environment also when they carry back with them their own codes of conduct they feel bound to as here to these ethics.