

الفصل الرابع
أخلاقيات ممارسة المهنة

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﴿وَأَنَّكَ لَعَلَىٰ خُلُقٍ عَظِيمٍ﴾ [القلم: ٤] :

﴿لَقَدْ كَانَ لَكُمْ فِي رَسُولِ اللَّهِ أُسْوَةٌ حَسَنَةٌ لِّمَن كَانَ يَرْجُوا اللَّهَ وَالْيَوْمَ الْآخِرَ وَذَكَرَ اللَّهَ كَذِكْرٍ كَبِيرًا﴾

[الأحزاب: ٢١]. ﴿١٦﴾

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﴿وَأِنْ كَانَتْ ذُو عُسْرَةٍ فَنَظِرَةٌ﴾

إِلَى مَيْسَرَةٍ وَأَنْ تَصَدَّقُوا خَيْرٌ لَكُمْ إِنْ كُنْتُمْ تَعْلَمُونَ ﴿٦٨﴾ [البقرة: ٢٨٠].

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﴿قَالَ اجْعَلْنِي عَلَى خَزَائِنِ الْأَرْضِ ۗ إِنِّي حَفِيظٌ عَلَيْه﴾

﴿٥٥﴾ [يوسف: ٥٥].

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: ﴿ وَمَا كَانَ لِنَبِيِّ أَنْ يَقُولَ وَمَنْ يَفْعَلْ يَأْتِ بِمَا عَلَّ يَوْمَ الْقِيَمَةِ ثُمَّ تَوَفَّى كُلُّ

نَفْسٍ مَا كَسَبَتْ وَهُمْ لَا يُظْلَمُونَ ﴾ [آل عمران: ١٦١].

: ﴿ إِنَّ اللَّهَ يَأْمُرُ بِالْعَدْلِ وَالْإِحْسَانِ

وَالِاتِّبَاعِ ذِي الْقُرْبَىٰ ﴾ [النحل: ٩٠]

: ﴿ إِنَّ اللَّهَ يَأْمُرُكُمْ أَنْ تُؤَدُّوا الْأَمَانَاتِ إِلَىٰ أَهْلِهَا وَإِذَا حَكَمْتُمْ بَيْنَ النَّاسِ أَنْ تَحْكُمُوا

بِالْعَدْلِ ﴾ [النساء: ٥٨]. : ﴿ قُلْ أَمَرَ

رَبِّي بِالْقِسْطِ ﴾ [الأعراف: ٢٩].

إِنَّهُ لَا يُحِبُّ الظَّالِمِينَ [:] وَاللَّهُ لَا يَهْدِي الْقَوْمَ الظَّالِمِينَ ﴿٥٨﴾ [:]

إِنَّهُ لَا يُفْلِحُ الظَّالِمُونَ ﴿٦١﴾ [:] وَقَدْ خَابَ مَنْ حَمَلَ ظُلْمًا ﴿١١٣﴾ [:]

﴿وَتِلْكَ الْقُرَىٰ أَهْلَكْتَهُم لَمَّا ظَلَمُوا وَجَعَلْنَا لِمَهْلِكِهِم مَّوْعِدًا﴾ ﴿٥٨﴾ [الكهف: ٥٩].

﴿فَتِلْكَ بُيُوتُهُمْ خَاوِيَةً بِمَا ظَلَمُوا﴾ [:]

﴿قَالَ أَمَّا مَنْ ظَلَمَ فَسَوْفَ نُعَذِّبُهُ ثُمَّ يُرَدُّ إِلَىٰ رَبِّهِ فَيُعَذِّبُهُ عَذَابًا ثَكْرًا﴾ ﴿٨٧﴾ [الكهف: ٨٧].

﴿وَكَذَلِكَ أَخْذُ رَبِّكَ إِذَا أَخَذَ الْقُرَىٰ وَهِيَ ظَالِمَةٌ إِنَّ أَخْذَهُ أَلَمٌ شَدِيدٌ﴾ ﴿١٠٢﴾ [هود: ١٠٢].

﴿وَلَا تَرْكَبُوا إِلَى الَّذِينَ ظَلَمُوا فَمَا تَمْسِكُ النَّارُ وَمَا لَكُمْ مِنْ دُونِ اللَّهِ مِنْ أَوْلِيَاءَ ثُمَّ لَا تُنصَرُونَ﴾ ﴿١١٣﴾ [هود: ١١٣].

﴿وَمَا كَانَ رَبُّكَ لِيُهْلِكَ الْقُرَىٰ بِظُلْمٍ وَأَهْلِهَا مُصْلِحُونَ﴾ ﴿١١٧﴾ [هود: ١١٧].

: ﴿وَالسَّمَاءَ رَفَعَهَا وَوَضَعَ

الْمِيزَانَ ﴿٧﴾ أَلَّا تَطْغَوْا فِي الْمِيزَانِ ﴿٨﴾ وَأَقِيمُوا الْوَزْنَ بِالْقِسْطِ وَلَا تُخْسِرُوا الْمِيزَانَ

﴿٩﴾ [الرحمن: ٧-٩].

﴿ ﴿ يَتَأْتِيهَا الَّذِينَ ءَامَنُوا كُونُوا قَوَّامِينَ بِالْقِسْطِ شُهَدَاءَ لِلّٰهِ وَلَوْ عَلَىٰٓ أَنفُسِكُمْ أَوْ

الْوَالِدِينَ وَالْأَقْرَبِينَ ﴾ [النساء: ١٣٥].

﴿ يَتَأْتِيهَا الَّذِينَ ءَامَنُوا كُونُوا قَوَّامِينَ لِلّٰهِ شُهَدَاءَ بِالْقِسْطِ وَلَا يَجْرِمَنَّكُمْ شَنَاٰنُ قَوْمٍ عَلَىٰٓ أَلَّا تَعْدِلُوا ءَاعْدِلُوا هُوَ أَقْرَبُ لِلتَّقْوَىٰ ۖ وَاتَّقُوا اللّٰهَ ۚ إِنَّ اللّٰهَ خَبِيرٌ بِمَا تَعْمَلُونَ ﴾ [المائدة: ٨].

﴿ وَإِذَا قُلْتُمْ

فَاعْدِلُوا وَلَوْ كَانَ ذَا قُرْبَىٰ ﴾ [الأنعام: ١٥٢].

﴿ وَأَشْهَدُوا ذَوَىٰ

عَدْلٍ مِّنكُمْ وَأَقِيمُوا الشَّهَادَةَ لِلّٰهِ ﴾ [الطلاق: ٢] ﴿ كُونُوا قَوَّامِينَ لِلّٰهِ شُهَدَاءَ بِالْقِسْطِ ﴾ [المائدة: ٨].

﴿ ﴿ إِنَّ اللّٰهَ يَأْمُرُكُمْ أَنْ تُؤَدُّوا الْأَمَانَاتِ إِلَىٰٓ أَهْلِهَا وَإِذَا حَكَمْتُمْ بَيْنَ النَّاسِ أَنْ تَحْكُمُوا بِالْعَدْلِ ﴾ [النساء: ٥٨].

﴿وَبِلِّئْلِ الْمُطَفِّفِينَ ﴿١﴾ الَّذِينَ إِذَا أَكَالُوا عَلَى النَّاسِ يَسْتَوْفُونَ ﴿٢﴾ وَإِذَا كَالُوهُمْ أَوْ
 وَزَنُوهُمْ يُخْسِرُونَ ﴿٣﴾ أَلَا يَظُنُّ أُولَئِكَ أَنَّهُمْ مَبْعُوثُونَ ﴿٤﴾ لِيَوْمٍ عَظِيمٍ ﴿٥﴾ يَوْمَ يَقُومُ النَّاسُ لِرَبِّ
 الْعَالَمِينَ ﴿٦﴾﴾ [المطففين: ١-٦].

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﴿يَأْتِيهَا الَّذِينَ ءَامَنُوا اتَّقُوا﴾ :

﴿رِجَالٌ﴾ :

﴿١١٩﴾ [التوبة: ١١٩]

﴿وَالصَّادِقَاتِ وَالصَّادِقِينَ﴾ :

﴿[الأحزاب: ٢٣].﴾

﴿وَالَّذِي جَاءَ بِالصِّدْقِ وَصَدَّقَ بِهِ ءَأُولَئِكَ هُمُ الْمُتَّقُونَ﴾ :

[الأحزاب: ٣٥] .

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﴿[الزُّمَر: ٣٣].﴾

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﴿وَلَا تَأْكُلُوا أَمْوَالَكُمْ بَيْنَكُمْ بِالْبَاطِلِ وَتُدْلُوا بِهَا إِلَى الْحُكَّامِ

لِتَأْكُلُوا فَرِيقًا مِّنْ أَمْوَالِ النَّاسِ بِالْإِثْمِ وَأَنْتُمْ تَعْلَمُونَ﴾ [البقرة: ١٨٨].

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﴿يَا أَيُّهَا الَّذِينَ آمَنُوا اجْتَنِبُوا كَثِيرًا مِّنَ الظَّنِّ إِنَّكُم بِبَعْضِ الظَّنِّ إِثْمٌ وَلَا تَجَسَّسُوا وَلَا يَغْتَب بَّعْضُكُم بَعْضًا

أَيُّجِبُ أَحَدُكُمْ أَنْ يَأْكُلَ لَحْمَ أَخِيهِ مَيْتًا فَكَرِهْتُمُوهُ^{١٢} وَانفُوا^{١٣} اللَّهُ إِنَّ اللَّهَ نَوَّابٌ رَّحِيمٌ

[الحجرات: ١٢].

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﴿ وَأَوْفُوا بِعَهْدِ اللَّهِ إِذَا

عَاهَدْتُمْ ﴾ [النحل: ٩١].

﴿ وَأَوْفُوا بِالْعَهْدِ إِنَّ الْعَهْدَ كَانَتْ مَسْئُولًا ﴾ [الإسراء: ٣٤].

﴿ يَتَأْتِيهَا الَّذِينَ ءَامَنُوا أَوْفُوا بِالْعُقُودِ ﴾ [المائدة: ١].

﴿ وَادْكُرْ فِي الْكِتَابِ إِسْمَاعِيلَ ۖ إِنَّهُ كَانَ صَادِقَ الْوَعْدِ وَكَانَ رَسُولًا نَبِيًّا ﴾

[مريم: ٥٤].

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﴿يَأْتِيهَا الرُّسُلُ كُلُّهَا مِنْ الطَّيِّبَاتِ وَأَعْمَلُوا صَالِحًا إِنِّي بِمَا تَعْمَلُونَ عَلِيمٌ﴾

﴿٥١﴾ [المؤمنون: ٥١] :

﴿وَلَا تَأْكُلُوا أَمْوَالَكُمْ بَيْنَكُمْ بِالْبَاطِلِ﴾ [البقرة: ١٨٨]

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﴿وَقُلْ رَبِّ زِدْنِي عِلْمًا﴾ [طه: ١١٤]

﴿قُلْ هَلْ يَسْتَوِي الَّذِينَ يَعْمَلُونَ وَالَّذِينَ لَا يَعْمَلُونَ﴾ [الزُّمَر: ٩]

﴿يَرْفَعُ اللَّهُ الَّذِينَ ءَامَنُوا مِنْكُمْ وَالَّذِينَ أُوتُوا الْعِلْمَ

دَرَجَاتٍ ۗ وَاللَّهُ بِمَا تَعْمَلُونَ خَبِيرٌ﴾ [المجادلة: ١١]

﴿﴾ :

﴿وَاللَّيْلِ إِذَا يَغْشَاهَا﴾ ٤ ﴿وَالسَّمَاءِ وَمَا بَنَاهَا﴾ ٥ ﴿وَالْفَجْرِ﴾ ١ ﴿وَاللَّيْلِ عَشْرِ﴾ ٢ ﴿وَالضُّحَى﴾
﴿١﴾ وَاللَّيْلِ إِذَا سَجَى ﴿٢﴾ ﴿وَالْعَصْرِ﴾ ١ ﴿إِنَّ الْإِنْسَانَ لِفِي خُسْرٍ﴾ ٢ .

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CODE OF ETHICS : - -

FUNDAMENTAL PRINCIPLES

Engineers uphold and advance the integrity, honor, and dignity of the engineering profession by:

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1. Using their knowledge and skill for the enhancement of human welfare and the environment;

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2. Being honest and impartial and serving with fidelity the public, their employers and clients;

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3. Striving to increase the competence and prestige of the engineering profession; and

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4. Supporting the professional and technical societies of their disciplines.

FUNDAMENTAL CANONS

1. Engineers shall hold paramount the safety, health, and welfare of the public and shall strive to comply with the principles of sustainable development in the performance of their professional duties.

2. Engineers shall perform services only in areas of their competence.

3. Engineers shall issue public statements only in an objective and truthful manner.

4. Engineers shall act in professional matters for each employer or client as faithful agents or trustees, and shall avoid conflicts of interest.

5. Engineers shall build their professional reputation on the merit of their services and shall not compete unfairly with others.

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6. Engineers shall act in such a manner as to uphold and enhance the honor, integrity, and dignity of the engineering profession.

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7. Engineers shall continue their professional development throughout their careers, and shall provide opportunities for the professional development of those engineers under their supervision.

Guidelines to Practice under the Fundamental Canons of Ethics

CANON 1

Engineers shall hold paramount the safety, health, and welfare of the public and shall strive to comply with the principles of sustainable development in the performance of their professional duties.

a. Engineers shall recognize that the lives, safety, health and welfare of the general public are dependent upon engineering judgments, decisions, and practices incorporated into structures, machines, products, processes, and devices.

b. Engineers shall approve and seal only those design documents, reviewed or prepared by them, which are determined to be safe for public health and welfare in conformity with accepted engineering standards.

c. Engineers whose professional judgment is overruled under circumstances where the safety, health, and welfare of the public are endangered, or the principles of sustainable development are ignored, shall inform their clients or employers of the possible consequences.

d. Engineers who have knowledge or reason to believe that another person or firm may be in violation of any of the provisions of Canon 1 shall present such information to the proper authority in writing and shall cooperate with the proper authority in furnishing such further information or assistance as may be required.

E. Engineers should seek opportunities to be of constructive service in civic affairs and work for the advancement of the safety, health, and well-being of their communities, and the protection of the environment through the practice of sustainable development.

f. Engineers should be committed to improving the environment by adherence to the principles of sustainable development so as to enhance the quality of life of the general public.

CANON 2

Engineers shall perform services only in areas of their competence.

a. Engineers shall undertake to perform engineering assignments only when qualified by education or experience in the technical field of engineering involved.

b. Engineers may accept an assignment requiring education or experience outside of their own fields of competence, provided their services are restricted to those phases of the project in which they are qualified. All other phases of such project shall be performed by qualified associates, consultants, or employees.

c. Engineers shall not affix their signatures or seals to any engineering plan or document dealing with subject matter in which they lack competence by virtue of education or experience or to any such plan or document not reviewed or prepared under their supervisory control.

CANON 3.

Engineers shall issue public statements only in an objective and truthful manner.

a. Engineers should endeavor to extend the public knowledge of engineering and sustainable development, and shall not participate in the dissemination of untrue, unfair, or exaggerated statements regarding engineering.

b. Engineers shall be objective and truthful in professional reports, statements, or testimony. They shall include all relevant and pertinent information in such reports, statements, or testimony.

c. Engineers, when serving as expert witnesses, shall express an engineering opinion only when it is founded upon adequate knowledge of the facts, upon a background of technical competence, and upon honest conviction.

d. Engineers shall issue no statements, criticisms, or arguments on engineering matters that are inspired or paid for by interested parties, unless they indicate on whose behalf the statements are made.

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e. Engineers shall be dignified and modest in explaining their work and merit, and will avoid any act tending to promote their own interests at the expense of the integrity, honor, and dignity of the profession.

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CANON 4.

Engineers shall act in professional matters for each employer or client as faithful agents or trustees and shall avoid conflicts of interest.

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a. Engineers shall avoid all known or potential conflicts of interest with their employers or clients and shall promptly inform their employers or clients of any business association, interests, or circumstances which could influence their judgment or the quality of their services.

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b. Engineers shall not accept compensation 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 to and agreed upon, by all interested parties.

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c. Engineers shall not solicit or accept gratuities, directly or indirectly, from contractors, their agents, or other parties dealing with their clients or employers in connection with work for which they are responsible.

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d. Engineers in public service as members, advisors, or employees of a governmental body or department shall not participate in considerations or actions with respect to services solicited or provided by them or their organization in private or public engineering practice.

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e. Engineers shall advise their employers or clients when, as a result of their studies, they believe a project will not be successful.

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f. Engineers shall not use confidential information coming to them in the course of their assignments as a means of making personal profit if such action is adverse to the interests of their clients, employers, or the public.

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g. Engineers shall not accept professional employment outside of their regular work or interest without the knowledge of their employers.

CANON 5.

Engineers shall build their professional reputation on the merit of their services and shall not compete unfairly with others.

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a. Engineers shall not give, solicit, or receive either directly or indirectly, any political contribution, gratuity, or unlawful consideration in order to secure work, exclusive of securing salaried positions through employment agencies.

b. Engineers should negotiate contracts for professional services fairly and on the basis of demonstrated competence and qualifications for the type of professional service required.

c. Engineers may request, propose, or accept professional commissions on a contingent basis only under circumstances in which their professional judgments would not be compromised.

d. Engineers shall not falsify or permit misrepresentation of their academic or professional qualifications or experience.

e. Engineers shall give proper credit for engineering work to those to whom credit is due, and shall recognize the proprietary interests of others. Whenever possible, they shall name the person or persons who may be responsible for designs, inventions, writings or other accomplishments.

f. Engineers may advertise professional services in a way that does not contain misleading language or is in any other manner derogatory to the dignity of the profession. Examples of permissible advertising are as follows:

Professional cards in recognized, dignified publications, and listings in rosters or directories published by responsible organizations, provided that the cards or listings are consistent in size and content and are in a section of the publication regularly devoted to such professional cards.

Brochures which factually describe experience, facilities, personnel, and capacity to render service, providing they are not misleading with respect to the engineer's participation in projects described.

Display advertising in recognized dignified business and professional publications, providing it is factual and is not misleading with respect to the engineer's extent of participation in projects described.

A statement of the engineers' names or the name of the firm and statement of the type of service posted on projects for which they render services.

Preparation or authorization of descriptive articles for the lay or technical press that are factual and dignified. Such articles shall not imply anything more than direct participation in the project described.

Permission by engineers for their names to be used in commercial advertisements, such as may be published by contractors, material suppliers, etc., only by means of a modest, dignified notation acknowledging the engineer's participation in the project described. Such permission shall not include public endorsement of proprietary products.

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g. Engineers shall not maliciously or falsely, directly or indirectly injure the professional reputation, prospects, practice, or employment of another engineer or indiscriminately criticize another's work.

h. Engineers shall not use equipment, supplies, laboratory or office

facilities of their employers to carry on outside private practice without the consent of their employers.

CANON 6.

Engineers shall act in such a manner as to uphold and enhance the honor, integrity, and dignity of the engineering profession.

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a. Engineers shall not knowingly act in a manner which will be derogatory to the honor, integrity, or dignity of the engineering profession or knowingly engage in business or professional practices of a fraudulent, dishonest or unethical nature.

CANON 7.

Engineers shall continue their professional development throughout their careers, and shall provide opportunities for the professional development of those engineers under their supervision.

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a. Engineers 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 seminars.

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b. Engineers should encourage their engineering employees to become registered at the earliest possible date.

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c. Engineers should encourage engineering employees to attend and present papers at professional and technical society meetings.

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d. Engineers shall uphold the principle of mutually satisfying relationships between employers and employees with respect to terms of employment, including professional grade descriptions, salary ranges, and fringe benefits.

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خاتمة :

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