Proffesional Practices in ICT

ITC4182

Lecture 2

Chamila Karunatilake

Chamilakarunatilake@sjp.ac.lk

Proffesional Bodies

Proffesional Body

- A **professional body** (also known as a professional association, society, or organization) is an organization that represents the interests, standards, and development of individuals within a particular profession.

- Professional bodies serve as governing or regulatory institutions within their fields, establishing codes of conduct, ethical guidelines, and professional standards that members are expected to follow.

Key Functions of a Professional Body

Setting Standards

Professional bodies define the skills, competencies, and ethical practices expected of professionals in the field. This ensures consistent quality and integrity in practice.

Certifications and Accreditation

Many professional bodies offer certifications, licenses, or charters that serve as recognized qualifications. These credentials validate a member's expertise and adherence to industry standards, enhancing credibility.

Professional Development

Through resources like workshops, training programs, and conferences, professional bodies help members continue developing their skills and knowledge to stay current in their profession.

Key Functions of a Professional Body

Code of Ethics and Conduct

Professional bodies establish codes of ethics that guide members in making responsible, ethical, and legal decisions in their professional work. This is particularly important in fields like ICT, where privacy, security, and integrity are vital.
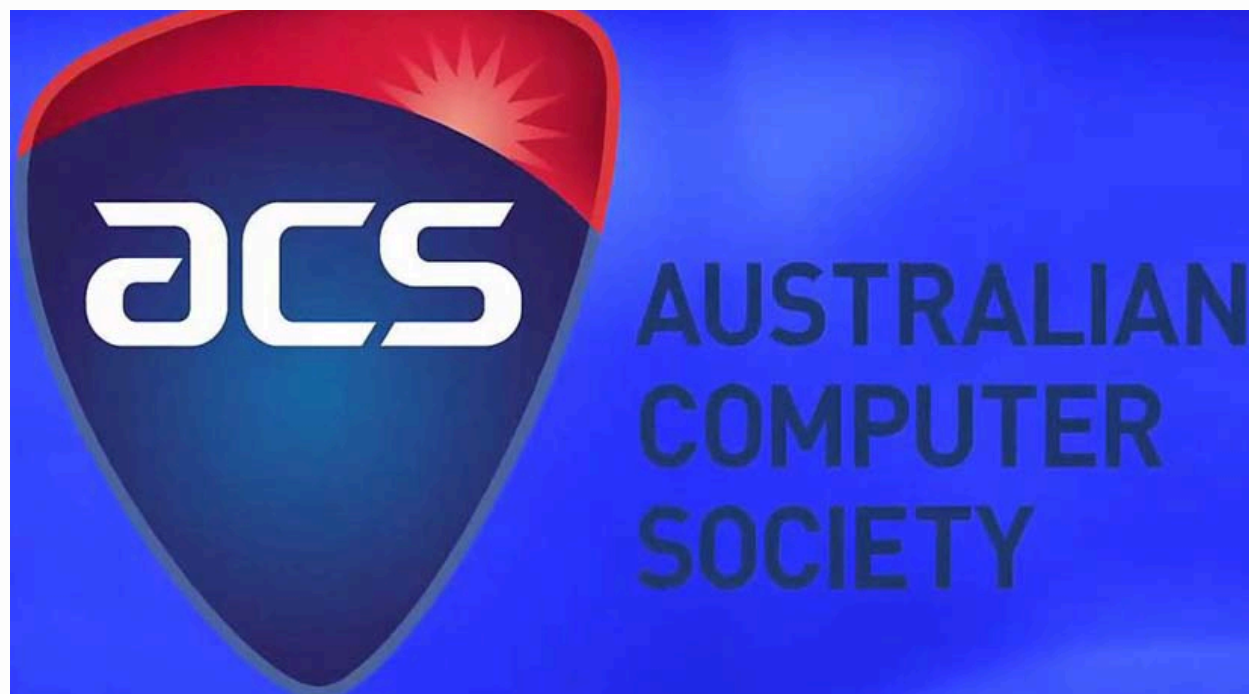
Advocacy and Representation

They represent the interests of their members at industry, governmental, and policy-making levels, advocating for favorable legislation, industry regulations, and advancements that benefit the profession.

Networking Opportunities

By organizing events, conferences, and forums, professional bodies help members connect with industry peers, build professional relationships, and expand their career opportunities.

IEEE

Advancing Technology
for Humanity

acm

bcs
The
Chartered
Institute
for IT

acs AUSTRALIAN
COMPUTER
SOCIETY

Major IT Professional Organizations

- ### Association for Computing Machinery (ACM)

  One of the oldest and largest professional organizations for computing professionals worldwide. Promotes computer science as a profession, advances computing as a science, and provides members with access to research publications, conferences, educational resources, and special interest groups in areas like artificial intelligence, data science, and cybersecurity. Has a well-defined code of ethics and professional conduct, guiding members in ethical decision-making.

- ### Institute of Electrical and Electronics Engineers (IEEE) Computer Society

  A branch of IEEE that focuses on advancing computing and IT. Supports research and development in computer engineering and related areas through publications, conferences, certifications, and educational programs. Has a detailed code of ethics emphasizing integrity, accountability, and professional competence.

- ### British Computer Society (BCS), The Chartered Institute for IT

  The UK's professional body for IT professionals, focusing on the ethical and responsible use of technology. Provides certifications, organizes training, and promotes standards for IT professionals in the UK and internationally. Grants Chartered IT Professional (CITP) status, a recognized mark of professionalism. Has a code of conduct focusing on integrity, competence, and confidentiality.

- ### Australian Computer Society (ACS)

  The professional association for Australia's ICT sector. Offers certifications, professional development, and resources for career advancement. Works closely with the government and industry to shape ICT policies in Australia. Has a code of ethics focusing on public interest, quality, and professional responsibility.

Professional Organizations in Sri Lanka's IT Sector

Computer Society of Sri Lanka (CSSL)

CSSL is the leading professional association for IT professionals in Sri Lanka, established in 1976. It aims to promote and advance the science and practice of Information and Communication Technology in the country. CSSL provides certifications and memberships for IT professionals, organizes conferences and events, and offers a code of conduct and ethical guidelines.

Sri Lanka Association for Software and Services Companies (SLASSCOM)

SLASSCOM is the main industry body representing Sri Lanka's IT and Business Process Management (BPM) industry. It primarily represents companies and is instrumental in setting professional standards across the industry. SLASSCOM focuses on expanding the IT/BPM industry and positioning Sri Lanka as a global technology and knowledge hub.

Information and Communication Technology Agency (ICTA) of Sri Lanka

ICTA is a government organization that serves as the national ICT policy and implementation agency. While not a traditional professional body, it plays a significant role in the advancement of IT professionals in Sri Lanka. ICTA promotes ICT development, provides resources and funding for skill-building, and collaborates with industry and academic institutions.

Federation of Information Technology Industry Sri Lanka (FITIS)

FITIS is a federation that includes various ICT associations and represents the entire ICT industry in Sri Lanka. Established in 1996, FITIS promotes industry growth and standards across sectors. FITIS conducts events, works on capacity-building programs, and engages with the government to advocate for policies that foster IT development in Sri Lanka.

Codes of Professional Conduct

Purpose of Codes of Conduct

Codes of conduct in ICT professions define the ethical principles and professional standards expected of practitioners, ensuring responsible practice and upholding the integrity of the field.

IEEE Code of Conduct

The IEEE Code of Ethics outlines principles such as honesty, integrity, and accountability, as well as a commitment to the public good and the advancement of the profession.

Codes of conduct in ICT professions serve as a crucial framework for ensuring responsible and ethical practice, guiding practitioners in upholding the integrity of the field and serving the greater good.

Codes of Professional Conduct

ACM Code of Ethics and Professional Conduct

The ACM Code of Ethics emphasizes responsibilities to the public, to clients and employers, to the computing profession, and to colleagues, including principles like respecting privacy, avoiding harm, and acknowledging contributions.

Codes of conduct in ICT professions serve as a crucial framework for ensuring responsible and ethical practice, guiding practitioners in upholding the integrity of the field and serving the greater good.

"A professional is someone who can do his best work when he doesn't feel like it."
Alistair Cooke