Faculty of
Engineering
Science &
Technology

NEWS

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# Orientation for New Students

The faculty of Engineering Science And Technology welcomes new students joining the faculty this semester. They will be studying Computer Science, Information Technology, Architecture, Interior Design, and Civil Engineering.

Our Computer Science students will get hands-on experience with the latest state-of-the-art technologies and also will work on modern projects like building machines with some intelligence. Our networking subjects are benchmarked with international bodies such as CISCO and Oracle. Students will graduate with a CISCO certification.

We have well-equipped studios and qualified lecturers for our architecture students. They will do regular site visits and will work on projects suitable for the Maldives.

The faculty will do their best to make sure that the learning environment is up to the standard and graduates are ready to take on jobs in the respected area of study. Many of our past students are leaders in their fields and spearheading the development of their fileds of expertise.

## Message from ENG Department

The Faculty of Engineering, Science and Technology is the first faculty in the Maldives to offer a Bachelor's degree program in the area of Civil Engineering.

Bachelor of Civil Engineering (Honours) course is aimed ultimately to yield productive employable professionals with up-to-date skills in the field of Civil Engineering. Civil Engineering graduates will be employed as project engineers, project managers, designers, draftsman, technicians and supervisors.

The course facilitates the learning process encouraging an enquiring and critical attitude to the craft of engineering. Students are educated to adapt to a changing environment, seeking creative and innovative solutions to open-ended problems, working independently or cooperatively in a group. It also develops individuals to cater to the built industry of the Maldives with technical proficiency in the principles and methods essential to modern civil engineering practice in order to design, construct and operate safe, reliable, healthy, practical, quality and sustainable infrastructures. The curriculum provides competencies in graduates that satisfy the needs of the built industry of the country. So far, we have produced over 50 civil engineering graduates and most of our graduates are currently working in leading organizations in the Maldives.

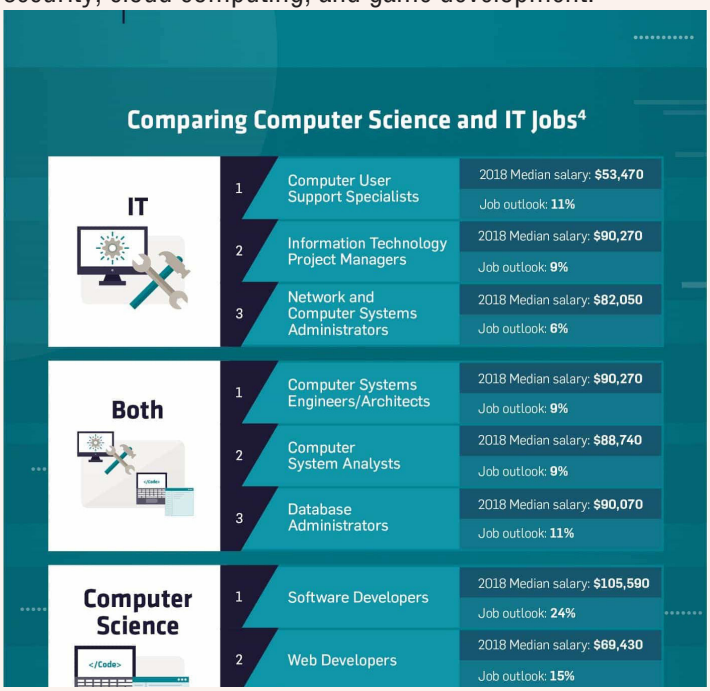
Currently our department is in the final stages of developing the Bachelor of Electrical & Electronics Engineering degree curriculum and the course expected to begin during the next academic year. This new engineering program will offer exciting career opportunities in variety of areas including electrical system design and maintenance of electrical control systems, machinery and equipment to computer engineering and communication. With the specializations this program will bring qualified engineers to fill gaps in the national skills shortage list. Specializations such as power and renewable energy engineering could support national level programs promoting green and sustainable energy by training and increasing qualified workforce across the nation. Currently there is no course running in Maldives in Electrical engineering with components of electronics and communication engineering. The graduates of this course can work with all kinds of electronic devices and they can specialize themselves to build a career in telecommunication, computer engineering and even into power sectors.

## Computer Science OR Information Technology which degree is for you?

Computer Science and Information are two popular areas where students want to build a carrier. However there is a big misunderstanding between these two areas. Individuals outside the technical industry believe that Computer Science and Information Technology mean the same thing and could be used interchangeably. There is a distinction between these two areas.

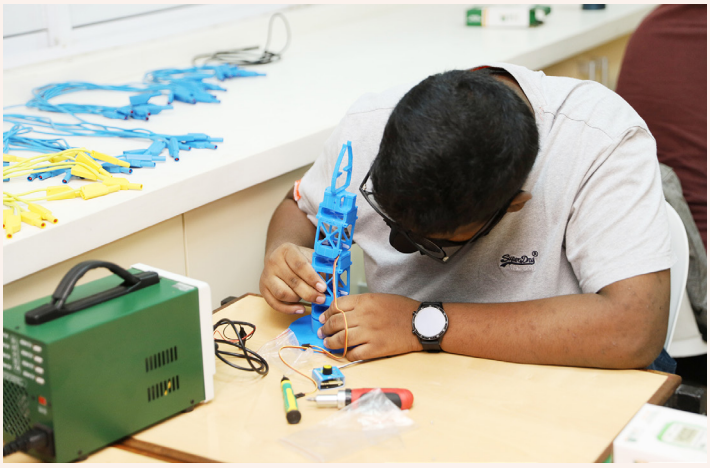
Information Technology deals with the development, implementation, support and management of computers and Information Systems. Information Technology involves working with both the hardware and software but on a smaller scale than computer science students. Information Technology graduates will be taught problems related to the business process. In general Information Technology graduates work as a team with other departments or clients. Information Technology graduates involve finding new technologies with existing systems and implementing technologies with existing systems that help meet the goals of the client or employer.IT professional make sure computers, networks, and systems are functioning properly and should be able to recoomend solutions to problems related technology. specializations include Network administration, System administration, Security, IT management, IT strategy and innovation.

Computer Science deals with the development and testing of software and software systems. Computer Science involves working with mathematical models, data analysis and security, algorithms, and computational theory. Computer science graduates can work in areas of artificial intelligence, machine learning, Human-Computer Interaction, Data science, cyber security, cloud computing, and game development.



Computer scientists are the ones who establish the computational principles that are the basis of all software we are using. Their work is behind data transfers and storage, security standards and encryption, and so on. Computer science graduates can work on artificial intelligence, machine learning, human computer interaction, Data science, cloud computing.

In general Computer science is a more technical degree and Information Technology is more business oriented degree. If the student want to work on applications and recommend applications and solutions to problems then Information technology is for the student. If the student want to work on the more scientific side of computing then Computer science is for that student.



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