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Empowering Cities In Smarter Way

SMART CITY. With the world's rapidly growing population, urbanization and our increased environmental impact, the demands on modern cities are increasing. Sustainability and quality of life should go hand in hand in a modern city, and thanks to state-of-the-art communication and information technology this might become a reality. The environmental footprint of the modern society is one of our biggest challenges. Pollution and waste from cities have increased drastically as the quality of life for its citizens has improved. A development that cannot continue. This is where the concept of the Smart City comes in.

Ethical Consideration

The environmental benefit is the main reason to why Smart Cities should be constructed. It is however not the sole purpose of these cities. They are also built to improve the overall quality of life for the inhabitants. The strive for energy efficiency should not go as far as to compromise the wellbeing of the city's inhabitants. Consider, for example, temperature regulators such as heaters in buildings. Regulating the temperature to a certain level could be great from an environmental aspect but that might not be pleasant for the people in the building. If this is the case then the regulation should not be done. There needs to be a balance between the possible environmental savings and the comfort of the people. To get the most out of a smart system both aspects need to be taken into consideration. A functioning Smart City will improve citizens' health as well as lower the environmental impact of our Society.

Further studies

within this context could lead to discoveries and applications that present great opportunities for future cities. The possibility to look at more parameters than have been done so far would extend the range of most of the projects presented here. Multi-parametric sensing through biosensors in the water, considering a more general protocol structure in the networks and examining further ways that occupancy can be detected to the HVAC controllers are all possible extensions of the projects that would give a deeper understanding of the studied problems. Finally, to implement the systems on a larger scale with other systems running at the same time would truly test the results. The most basic idea of a Smart City is that systems should work in a symbiosis with shared ways of information and communication. This will be a huge challenge for security, sustainability, and robustness of the system. If the systems cannot work in connection with each other, the whole concept of a Smart City

Students Achievement : Educational Tour FOR STUDENTS OF 4th SEMESTER

As per the prerequisite of curriculum, the students of 4th semester (Batch 2018-21) went for the industrial visit at CDAC, Pune (M.H.) On 16th March 2020 under the guidance of Faculty members Prof. Syed Zishan Ali , Prof. Sana Tak and Mr. Anant Raj Dubey. The Centre for Development of Advanced Computing (C-DAC) is an Autonomous Scientific Society of the Ministry of Electronics and Information Technology (MeitY), of the Government of India. The National Centre for Software Technology (NCST), ER&DCI and CEDTI were merged into C-DAC in 2003. Students visited The infrastructure Which was up to the mark. All the facilities which are required for course are available here. Lab here is well-equipped with the latest hardware and software. There is a big seminar hall where lecture takes place. Labs and classroom are air-conditioned. The hostel is provided here for 90 students. All the facilities are available inside for hostellers. The canteen here serves delicious food and is available for both hostellers and day scholars. Students Along with the faculties attended the Student orientation program class which created enough enthusiasm among students about educating environment and a lot of technical support.

