



CIVIL ENGINEERING PROFESSION

Technologies and digital resources in civil engineering

CIVIL ENGINEERING



Source: (Manzoor et al. 2018)

Civil engineering has been defined as discipline of professional engineering which associates with designing, development, as well as maintenance of physical and naturally built environment. (Manzoor et al. 2018)

TECHNOLOGIES USED



Source: (Mei & Wang 2021)

Building Information Modeling: software for 3D design to model what will be built digitally
Drones: conduct site surveys more quickly and accurately (Mei & Wang 2021)
Virtual Reality (VR): help better understand complex projects (Ma and Liu 2018)

DIGITAL RESOURCES USED



Source: (Mei & Wang 2021)

NPTEL: various courses of NPTEL, are very useful in terms of expanding your knowledge (Hou & Xia, 2021)
American Society of Civil Engineers: ASCE library is full of technical papers and journals
ICE- Institution of Civil Engineers: forums, technical papers, conferences and latest news and technology are available (Kaveh & Eslamlou, 2020)

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