The world of an Architect
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Abstract:
The paper discusses about the technical world of an architect. It is about the technologies in architectural field such as software and many other devices which makes the work of an architect easier. All the wireless services that are available helps the network transport easier, 5G wireless communication is expected to spread all over the world by 2020. The paper lets the reader know about the different software for architectural use and it also how it helps the user. It contains information about the existing technologies and the ones expected to come up in the future.

Keywords: Architecture, Cellular networks, E-learning, Hybrid cache, Femtocells

INTRODUCTION
The world in which we are living, it’s a world of change. While living in this modern world change is inevitable we are supposed to change with the world. As days go by people come up with different idea. Architects are people who make their constructional dreams come true. To do this we must know about the new innovations that came up in this field. Innovation is very important in the field of architecture, as people always want new things to happen and want things to be best and unique. For coming up with new innovative ideas technology helps us a lot. Technology helps us to face with the professional challenges and focus on our goal. Technology is important in coming up with new innovations. Also technology helps us to know what is happening around the world and come up with new ideas for sustainable architecture.

LITERARY SURVEY
[1] A failure to satisfy next generation’s communication requirements, technologies for architecture by electric power grid lead to the formation of gridstat. The power grid engineering community developed their own communication infrastructure that supports its operation. But power grid was not able to implement many control and protection schemes. This calls up for the necessity of a new communication architecture. Gridstat which was formed later is a communication architecture for power grid. The frame work of Gridstat is higher than low level IP. [2] There are many tools and technologies for architectural knowledge management. Most of technologies that have been developed for architecture has been by organizing tools such that it supports architectural knowledge. Many tools such as the ADDSS, Archium, AREL helps architects or any of its users to document the architectural design they have planned. Many of the architectural knowledge management (AKM) tools were built by using the help of other existing technologies. AKM tools are built more so that more architectural knowledge would be used in practice. [3] Spectrum efficient and scalable elastic optical path network architect (SLICE). This deals with benefits that we get by using technologies in architecture. The development of the spectrum efficient optical network architecture helps in the better network transporting of the architectural data. As the present world is facing a problem due to the sustained growth of data traffic, SLICE helps the user for transporting the architectural data in an efficient manner. The proposed architecture accommodates the subwavelength multiple rate data traffic in a very efficient manner. The most important advantage of SLICE for its users is that it is cost efficient with appreciable connectivity services. SLICE is coming up with proposals in which optics will be having...
more significant role in transport network. [4] As the use of network transport is increasing by each day and the data traffic is very high which calls for the need for wireless 5G communication networks. For the development of the cellular architecture it requires the separation of the outdoor and indoor scenarios which would be avoiding the loss by penetrating through walls. The development of the cellular architecture is been assisted by distributed antenna system (DAS) and massive MIMO technology. To bring up the cellular network to the expected level of performance, MFemtocells, and green communication are the other important key technologies which urges the spread of 5G wireless communication all over the world. There was a proposal about the concept of mobile femtocells to acquire high speed data for people travelling. [5] A survey was conducted to know better how 5G network could help architecture and the emerging technologies. The survey mainly focused 5G network was for the better understanding of the capacity, data rate, spectral efficiency, latency, energy efficiency and the quality of the service provided. Some of the earlier mentioned technologies like massive MIMO helps to enhance the quality of the wireless communication. People are expecting 5G networking and technologies to reach all over the world by 2020 which not only improves the service quality but also enhances the increase of data volume and the wireless service in mobiles. [6] In Hybrid cache architecture, the cache techniques have been very useful in reducing the consequences due to the processor memory speed gap. Onchip cache hierarchies with differing memory technologies could be constructed with the help of hybrid cache. Many hybrid caches with the combination of SRAM, Edram, MRAM and PRAM was been recently introduced. There a research going on about applying the hybrid caches to rebalance the cache subsystem designs. Multithreaded workloads on chip multiprocessors introduces more way for exploration. [7] Model driven architecture which was introduced by the object management group focuses more on the visions, standards and on the emerging technologies. The core concepts of model driven architecture includes several OMG standards, in which some of them are modelling language meta object facility and XML Metadata interchange. Many of the core standards and the languages of the model driven architecture is their base for building coherent schemes for their proper functioning. [8] The research done on cloud storage architecture and on their technologies lead to many findings as well as ways to improve. The cloud storage consists of many key technologies and many of it’s uses have been found out rapidly. The area which cloud storage deals with is about the security, data organization, deployment, virtualization and availability. Cloud storage to be more efficient and usable had planned to combine itself with some other cloud technologies. This combination paves the way to better services. [9] The research done on the role of internet on architecture, the feedback after the survey was that the future of internet of things was very much fascinating. The role of internet of things in architecture was immense and that it was still under construction. The ideas related to architecture in future was introduced with the help of two concepts. The two concepts are unit IoT and Ubiquitous IoT. Unit IoT is used at times to find solutions for some special applications while ubiquitous IoT which is global is like social organization framework model. [10] The knowledge tree is a software which benefits the user in adaptive E-learning. Architecture helps adaptive E-learning is based on the distributed intelligent learning activities and it also combines the knowledge and the benefits that are available from the modern LMS and the educational material repositories.

**FINDINGS**

Architecture which we could see in everything is nowadays been greatly supported by technology. Many technologies like ADDS, Archium, helps in documentation of the architectural data. Also better network transport services have now been developed by SLICE which helps to work more even during our tours and travel. The 5G wireless network system helps lot in wireless communication and better connectivity services. The 5G wireless services are expected to spread to the world by
2020. The role played by internet in this field is immense. Knowing things better and apply it. The development of cellular network combining the cloud services helps in reducing the data traffic. Gridstat which was developed recently brings better communication facilities and helps in the implementation of many schemes. Many tools and technologies has been introduced to gain better knowledge about architectural tools and about their usage.

RECOMMENDATIONS AND CONCLUSIONS
This paper helps the readers to get more information about the present century’s architecture and the technologies that are been introduced which makes the work much easier for the user. Many technologies like SLICE which enhances the network transport, the architectural knowledge management tools (AKM) seems to be very useful for people to gather information. The paper contains information that makes the reader aware of the technologies that exists and how to make use of it. As an architect should be always aware of the changing world and the ideas. All these internet facilities help us stay aware to it. The development of the 5G wireless network service would be making all the next generation communication better. We could expect that all the potential key technologies would help to built more efficient technologies needed for architecture in coming years.

REFERENCE


