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SONET/SDH: Review of Technology and Developments

Abstract: This paper attempts to describe how SONET/SDH works, down to the octet level. The SONET/SDH development for the current technology has been discussed and analyzed for better communication and improvement is SONET/SDH Technology. The STS-1 frame, Concatenation, VT’s etc. Architectures will be discussed, analyzed and the ways that how we can implement by means of the FPGA and ARM-11 core will be formulated and reviewed. When the SONET/SDH comes in market and today’s Telecommunication market has lots of differences. The differences are based on the technology, new ideas, Implementation algorithm, computing architectures etc. are evolutionary enhanced. What is the impact of technology on the SONET and what more we can implement to enhance the SONET/SDH architecture has been discussed in this paper.

Keywords: SONET/SDH, STS, Optical carrier, FPGA for SONET, ARM for SONET.

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<thead>
<tr>
<th>Paper Title:</th>
<th>Generation of Java Code Structure from UML Class Diagram</th>
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<tr>
<td>Abstract:</td>
<td>Unified modelling language (UML) is a visual modelling language, which has gained popularity among software practitioners. The significance of automatic generation of object-oriented code from UML diagrams has increased due to its benefits, such as, cost reduction and accuracy. This paper extends our work on a tool for automatic generation of Java code structure from UML diagrams. In this UML class diagram is given as input to the tool to generate java code structure. We can use that structure for any program by coding manually for the desire output. Using already defined structure reduces cost to build the complete executable code. The extension includes a more detailed overview of the code generation tool regarding its architecture and code generation process. The propose approach only uses UML class diagram to build java code structure which is convenient for programmers and for cost reduction.</td>
</tr>
<tr>
<td>Keywords:</td>
<td>UML, Unified, Generatio.</td>
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<td>Keywords:</td>
<td>Spacial filtering, matter filtering, connexion computation, and document ranking.</td>
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