



PARSHVANATH CHARITABLE TRUST'S

A. P. SHAH INSTITUTE OF TECHNOLOGY

Department of Information Technology

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What is the Open Source Security Testing Methodology Manual (OSSTMM)?

The Open Source Security Testing Methodology Manual, or OSSTMM, is a peer-reviewed methodology for security testing, maintained by the [Institute for Security and Open Methodologies](#) (ISECOM).

ISECOM says its main objective with the OSSTMM is to provide a scientific process for the accurate characterization of operation security that can be used for penetration testing, ethical hacking, and other security testing.

ISECOM focuses on verified facts to make sure that organizations using the OSSTMM for their own penetration testing methodologies can know they are making fact-based decisions.

OSSTMM Testing Channels & Methodology:

The OSSTMM provides guidance on how to test the operational security of five channels so organizations can understand the full extent of their security and determine how well their security processes actually function.

These five channels include:

1. **Human Security:** The security of human interaction and communication is evaluated operationally as a means of testing
2. **Physical Security:** The OSSTMM tests physical security defined as any tangible element of security that takes physical effort to operate
3. **Wireless Communications:** Electronic communications, signals, and emanations are all considered wireless communications that are part of the operational security testing
4. **Telecommunications:** Whether the telecommunication network is digital or analog, any communication conducted over telephone or network lines are tested in the OSSTMM
5. **Data Networks:** The security testing of data networks includes electronic systems and data networks that are used for communication or interaction via cable and wired network lines.

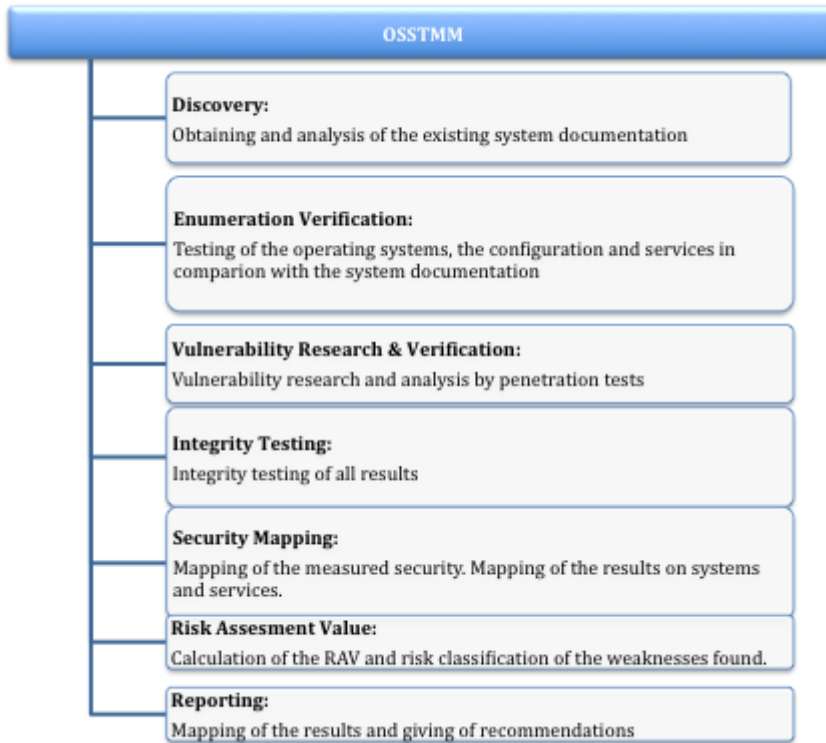


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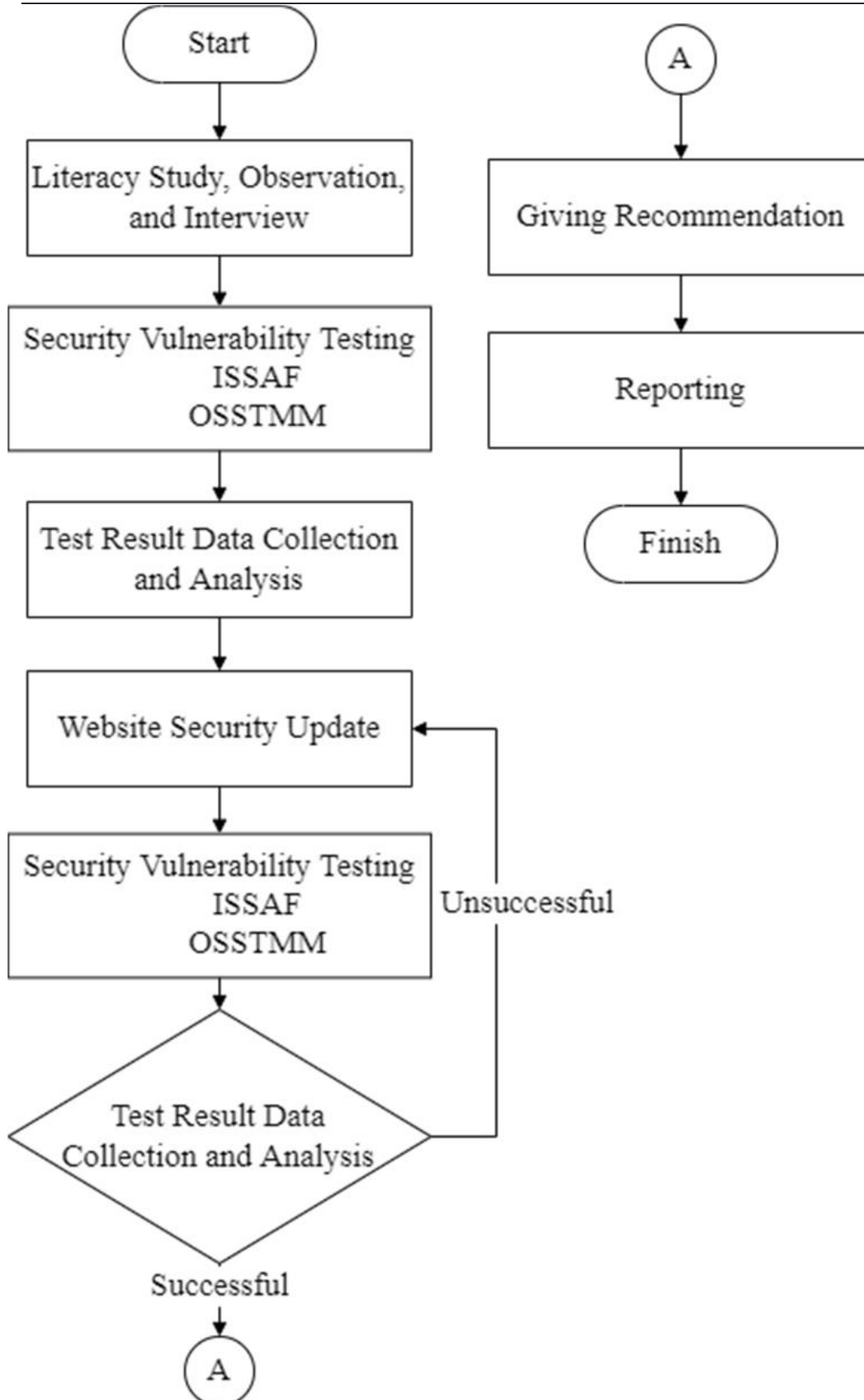


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