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## Certificate

*It is here by certified that the paper ID : IJRASET76050, entitled*

*Dual-Role Group Dynamics as a Practical and Inclusive Framework for Teaching  
Digital Forensic Analysis - Think Like a Hacker and Think Like an Investigator*

*by*

*Ivo Ricardo Dias Rosa*

*after review is found suitable and has been published in*

*Volume 13, Issue XII, December 2025*

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*Good luck for your future endeavors*

*By [Signature]*

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