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This work deals with the vector variational-like inequalities, namely Stampacchia and Minty type under invexity in the framework of convexificators. Equivalence between both the problems along with the link to vector optimization problem is analyzed. Further the bilevel version of these problems are formulated followed by the study on the solution procedure involving the auxiliary principle technique. An iterative algorithm is constructed. It is proved that the approximates obtained converge strongly to the exact solution. (Received September 14, 2020)