

Development of canal design software as an educational tool

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Abstract One of the tools frequently used for rehabilitation and modernisation of irrigation projects is the canal flow model. Various models do exist with almost similar accuracy, which can simulate the actual flow conditions, although very few models are user-friendly. In view of this, a computer application tool for canal design was developed, which would empower the irrigation officials/managers to redesign the existing canals, and construct newer stretches of the canal, to enhance their carrying capacities by way of improving the discharge capability within the available cross-section of the canal by taking up lining works under modernization and renovation of existing irrigation projects.

Key words canal design; simulation; irrigation training tools