

Developing a Digital National Library for Science, Mathematics, Engineering and Technology Education: Building upon NEEDS—The National Engineering Education Delivery System

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Abstract: A Digital National Library for Science, Mathematics, Engineering and Technology Education is envisioned as a one-stop shop for digital learning resources to support a wide range learners from K-12 through higher education and beyond. With funding from the National Science Foundation, we are developing an Information Portal into Science, Mathematics, Engineering and Technology Education (SMETE) based upon our past five years of experience developing NEEDS, a digital library for the engineering education community. This digital learning space supports cataloging, searching, displaying and reviewing digital learning materials from target SMETE disciplines. We will demonstrate the Information Portal, see www.smete.org, and present our findings about the SMETE community's views regarding the potential value of a digital library for SMET education; level of probable use, as well as how community members envision using it; and type(s) of editorial oversight needed.