

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM  
KARNATAKA, INDIA



*This is to certify that*

*Naveena C*

*has been conferred the Degree of*

**Doctor of Philosophy**

*C. Naveena*

*in*

Faculty of Computer and Information Sciences

Dr. Naveena. C. B.E., M.Tech., Ph.D.,  
Professor, Dept. Of CSE  
SJB Institute of Technology,  
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*for the thesis entitled*

Bi-HCR: Bi-Lingual Handwritten  
Character Recognizer

*in recognition of the fulfillment of requirements  
for the said degree*

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13

Given under the seal of the University

USN: 1DS09PEM02



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DATE : MAY 20, 2014

VICE CHANCELLOR