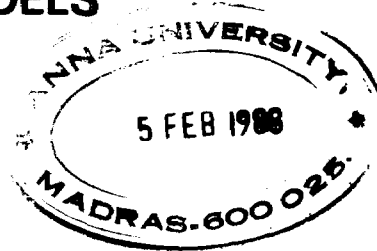


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**A THESIS**

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