

# THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt Aided, Autonomous Institution Affiliated to Anna University)

MADURAI – 625015

## BONAFIDE CERTIFICATE

Certified that this report titled “LIFE CYCLE ASSESSMENT OF AN EXISTING BUILDING” (14IM410 PROJECT II) is the bonafide work of ARUNA M (16IM002) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



**Dr. B. SIVAGURUNATHAN**

Associate Professor and Head

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Madurai - 625 015



**Mr. R. JEGAN**

Assistant Professor

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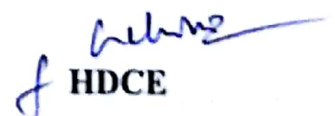
Submitted for the VIVA VOCE Examination of 14IM410 Project-II held at Thiagarajar College of Engineering, Madurai-625 015 on .05.05.2018.



**INTERNAL EXAMINER**



**EXTERNAL EXAMINER**



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MADURAI-625015



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Certified that this seminar report entitled on "SUSTAINABLE TRANSPORTATION PLANNING" is the bonafide work of K.PRIYANKA (Reg.No.17IM012) of II semester M.E (Infrastructure Engineering and Management) during the year 2017-2018.

Station: MADURAI

Date: 05.05.2018

Submitted for VIVA-VOCE examination held at Thiagarajar College of Engineering, Madurai-625015 on 05.05.2018

*D. Srinivas*  
HODCE  
5/5/2018

*[Signature]*  
5/5/18  
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Certified that this Report titled “RAILWAY ASSET VALUATION” (PROJECT II) is the bonafide work of **KEERTHANA.S (16IM007)** who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



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Certified that this Report titled “WATER MANAGEMENT PLAN FOR MADURAI CITY- A SUSTAINABLE APPROACH (PROJECT II)” is the bonafide work of HARI KUMAR MURUGESAN (16IM006) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



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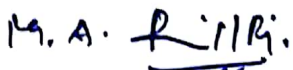


**Mr.M.A Ravindharraja**

Assistant Professor,  
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Certified that this Report titled “MANAGING CHALLENGES IN DESIGN CONSULTANCY OF CONSTRUCTION INDUSTRY” (PROJECT II) is the bonafide work of **VIGNESH R (16IM017)** who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



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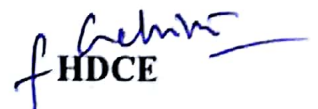
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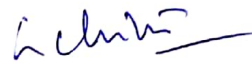
## BONAFIDE CERTIFICATE

Certified that this Report titled “SITE LAYOUT PLANNING AND MANAGEMENT” (PROJECT II) is the bonafide work of SUBANANTA KUMAR R (16IM015) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



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**Dr. G. Chitra**

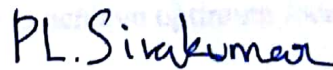
Associate Professor  
Department of Civil Engineering  
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Madurai - 625 015

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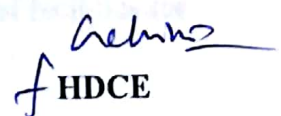
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Certified that this Report titled "FEASIBILITY OF PROPOSED TRANSPORTATION SYSTEM FOR TOURISM DEVELOPMENT IN MADURAI" (PROJECT II) is the bonafidework of S. AMEER HAMZA (16IM001) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



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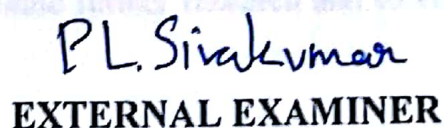
Madurai - 625 015

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PL. Sivakumar  
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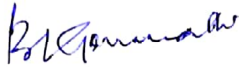
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Certified that this Report titled “STAKEHOLDER MANAGEMENT IN SMALL AND LARGE SCALE CONSTRUCTION PROJECTS” (PROJECT II) is the bonafide work of **SIVAKUMAR.R (16IM012)** who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

  
**Dr.B.Sivagurunathan**  
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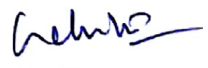
  
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Certified that this Report titled “**COMMUTER MANAGEMENT IN RAIL TERMINAL STUDY ON MADURAI JUNCTION**” (PROJECT II) is the bonafide work of **BRINDHA M (16IM004)** who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



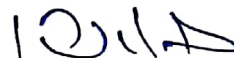
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**Dr. R. Velkennedy**

Associate Professor

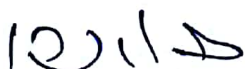
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