

**A PRACTICAL TRAINING AT JONES FOUNDATION
PRIVATE LIMITED**

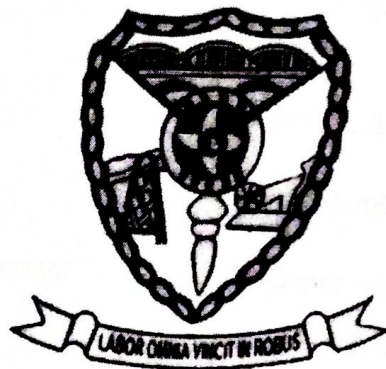
A TRAINING REPORT

Submitted by

VARSHAA LAXMI P

(311520418006)

in partial fulfilment for the award of the degree of
**MASTER OF ENGINEERING IN
CONSTRUCTION ENGINEERING AND MANAGEMENT**



**DEPARTMENT OF CIVIL ENGINEERING
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE,
KODAMBAKKAM, CHENNAI – 600 024**

ANNA UNIVERSITY: CHENNAI 600 025

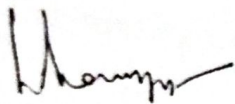
May 2021

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363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024

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Certified that this report titled "A PRACTICAL TRAINING AT "JONES FOUNDATION PVT. Ltd" is the bonafide work of VARSHAA LAXMI. P (Reg No: 311520418006) who carried out the work under my supervision. Certified further that to the best of my knowledge that the work reported here in does not 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.L.Ramajeyam

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Mr. S. Saravanan

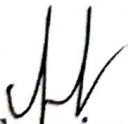
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ACKNOWLEDGEMENT

I would like to express my gratitude for all those who had helped me by lending a supporting hand in making it possible in the completion of practical training in **JONES FOUNDATION PVT. Ltd** from 23/04/2021 to 21/05/2021, Ottiambakkam, Chennai. I would like to thank our beloved Secretary, **Dr.K.S.Babai** who has been our guiding light for our endeavors.

My hearty gratitude to our **Dr.L.Ramajeyam** Dean and Head of Civil Engineering Department and **Mr.S.Saravanan**, Assistant Professor and all the staff members of Civil Engineering Department, Meenakshi Sundararajan Engineering College, Kodambakkam, Chennai.

I would like to convey my hearty thanks to **Mr. V. Subbanaidu**, HR Manager and the authorities who all guided and encouraged me all through the internship training and imparted in-depth knowledge of the project.



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CHAPTER 6

CONCLUSION

Thus in this report, I have briefed out the things which I have studied and trained in this project.

It was a wonderful learning experience at **Jones Foundations Pvt Ltd**, one of the prestigious project '**JONES CASSIA**', at Ottiambakkam, Chennai, for a period of 4 weeks and I am grateful to everyone who has given me an opportunity to observe and learn the construction practices. This opportunity to work in the project has given good exposure in almost all the departments at the site and the office. My learning in the technical side has been in the areas of planning, design, and marketing, with more involvement in project management. Apart from technical knowledge that has been gained, this internship has helped me to improve my personality, enhance my lateral thinking capabilities, problem solving and also interpersonal skills which includes communication, leadership skills and qualities that are required to evolve as a successful manager in the future.

This internship gave me an overall view about the organization and work culture. This experience and learning will surely help me in the future for shaping up my career.



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Fax : 91-44-22245069
E-mail : jfpheadoffice@gmail.com
www.jonesfoundations.com

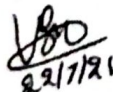
Ref: HRD/ADMIN/TRAINEE

July 22, 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Shri. P. Varshaa Laxmi**
(Reg.No.311520418006) ME student of **MEENAKSHI SUNDARARAJAN**
Engineering College, Chennai-24 has undertaken project work in **JONES**
FOUNDATIONS PVT LTD during 23rd April, 2021 to 21st May, 2021.

For JONES FOUNDATIONS PVT LTD.,


22/7/21
V.SUBBANAI DU
MANAGER - HR & ADMIN




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IN PLANT TRAINING AT KSK ENGINEERS

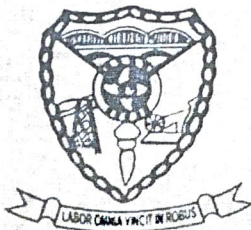
A TRAINING REPORT

Submitted by

HARIHARAN.S
(311519418001)

in partial fulfillment for the award of the degree of

MASTER OF ENGINEERING IN
CONSTRUCTION ENGINEERING AND MANAGEMENT



DEPARTMENT OF CIVIL ENGINEERING
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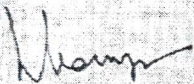
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Certified that this report titled **"IN PLANT TRAINING AT KSK ENGINEERS"** is the bonafide work of **HARIHARAN.S (311519418001)** who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported here in does not 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.



Prof Dr. L. Ramajeyam

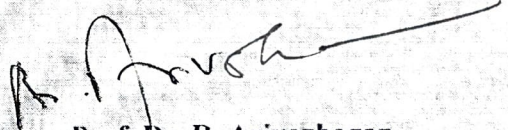
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Prof. Dr. R. Arivazhagan

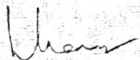
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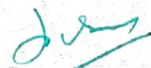
ACKNOWLEDGEMENT

I am extremely thankful to **KSK ENGINEERS** for giving me the opportunity to undergo the in-plant training in spite of the pandemic situation. I have understood the various techniques in construction practice during the finishing stages of the project through this training.

I wish to convey my sincere thanks to **Er. Naveen, Site Engineer** who was extremely calm and explained all the procedures of the work carrying out and clarified my doubts. Thanks to his guidance I was able to understand the plan and other structural drawings.

I am fortunate that, I had the kind association as well as supervision of our beloved secretary, **Prof. Dr. K.S. Babai** who has been the guiding light for our endeavors and always empower and encourage students for this kind of training. I take immense pride in thanking our correspondent **Dr. K.S Lakshmi** and our Principal **Dr.P.K.Suresh** for their consistent support to our college students.

My hearty gratitude to our **Prof. Dr.L.Ramajeyam**, Dean of Civil Department for his constant encouragement and motivation, who has also shared his knowledge about the design drawings that I obtained from the site to everyone. I also thank **Dr.R.Arivazhagan**, P.G Coordinator and other faculty members of the Department of Civil, Meenakshi Sundararajan Engineering College for their constant support and encouragement.



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05/10/2020

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. S. HARIHARAN** (Reg.no:311519418001)
2nd year M.E in Construction Engineering and Management, a student
of Meenakshi Sundararajan Engineering college – Chennai, has
successfully completed his Internship from **21/09/2020 to 03/10/2020**
at this organization.

For K.S.K. ENGINEERS


Partners.

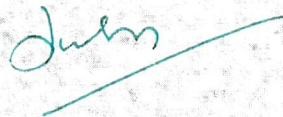


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CHAPTER 5

CONCLUSION

The 15 days of training experience at the construction of "pond construction" project site was such an informative and knowledge gaining experience for me. I found that pile driving, dewatering, inlet and outlet connection, etc. I gained great exposure to almost all the departments in the site namely safety, quality control, planning, construction management, stores etc. The friendly welcome from all the employees was very appreciable. I came to know about the various types of pile driving and how the process of pile driving is carried out in site. The friendly welcome from all the employees was very appreciable. This internship helped me to an intense knowledge about how the works are performed on site and what are the issues faced in site during the pandemic I'm pretty sure that this experience will help me in my upcoming years and help me shape a great career. It gives me immense pleasure in thanking the renowned "KSK ENGINEERS" for permitting me to experience such a great training program. This in plant training was very useful for my future endeavours.



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**INPLANT TRAINING AT CONSTRUCTION OF
CENTRAL REVENUE QUARTERS IN
D.E.C INFRASTRUCTURES & PROJECTS**

A TRAINING REPORT

Submitted by

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(311519418002)

in partial fulfilment for the award of the degree of

**MASTER OF ENGINEERING IN CONSTRUCTION
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FEBRUARY 2021

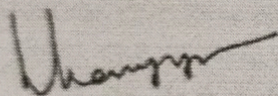
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BONAFIDE CERTIFICATE

Certified that this report titled "INPLANT TRAINING AT CONSTRUCTION OF CENTRAL REVENUE QUARTERS IN DEC INFRASTRUCTURES & PROJECTS" is the bonafide work of HARIPRIYA R (Reg No: 311519418002) who carried out the internship work during the month of February, in partial fulfilment for the Outcome Based Education in Master of Engineering in Construction Engineering and Management for the academic year 2020-2021.



Prof. Dr. L. Ramajeyam. Ph.D,
M.E., F.I.E., F.I.V., C.Engg.(Ind)

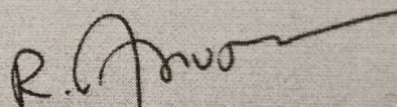
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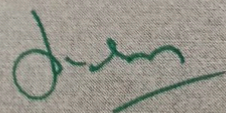
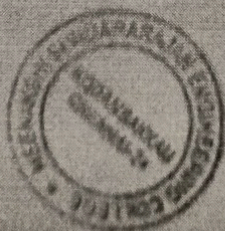
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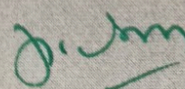
ACKNOWLEDGEMENT

I am very thankful to **DEC INFRASTRUCTURE & PROJECTS PVT Ltd** for giving me the opportunity to take- up my inplant training in the project that they have undertaken. I have understood the various techniques and modern methods of construction practice during the initial stages and also during the finishing stages through this training.

I want to express my deepest thanks to **Mr. MAHIPAL REDDY, Project Director**. I convey my gratitude to **Mr. JAHANGIR, Planning and Design Circle**. Thanks to his guidance, I was able to understand the construction of various structural and non-structural elements. I personally want to thank **Ms.SOWMIYA** of DEC for her consistent support throughout the training. I also thank **Er.MAHESH** for his guidance in the technical aspects which helped me to clearly understand the construction process and the quality tests in site.

I am fortunate that, I had the kind association as well as supervision of our beloved secretary, **prof. Dr. K.S. Babai** who has been the guiding light for our endeavors and always empower and encourage students for this kind of training.

My hearty gratitude to our **prof. Dr.L.Ramajeyam**, dean of civil department for his constant encouragement and motivation. Who has also shared his site experience, knowledge with us which helped me a lot during this training. Finally I am thankful to all the technicians and staff who gave their valuable guidance during my internship program. I also express my sincere gratitude to the Faculty Members, Department of civil Engineering, Meenakshi Sundararajan Engineering College for their valuable suggestions and guidance.



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ENGINEERS ♦ CONTRACTORS

(Certified by ISO 9001:2015)

Date : 05.03.2021

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It is to certify that Ms. Haripriya. R ME., (CONSTRUCTION ENGINEERING AND MANAGEMENT) II Year student of Meenakshi Sundararajan Engineering college did her Fifteen days implant training at M/s D.E.C Infrastructure & Projects (India) Pvt. Ltd, Central Revenue Quarters, Anna Nagar, Chennai -600 040 for the period of 15th February 2021 to 1st March 2021. During her training period, we found her to be sincere and hardworking.

We wish her all the very best in her future endeavours.



With Proper

9191648396
05/03/2021

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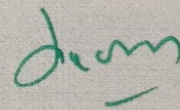
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CHAPTER 5

CONCLUSION

These 15 days of training and site experience helped me to understand what actually happens in the construction site. Visualizing the practical difficulties faced during construction and the techniques developed to overcome them improved my knowledge on those activities. This opportunity provided me the way to analyse my theoretical knowledge on field settings and this training helped me to improve my capabilities vastly.

I conclude this report by having compiled all my 15 days of experience in this document. This training program for sure will help me in my future endeavours.



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LIFE CYCLE COST ANALYSIS OF GREEN BUILDING

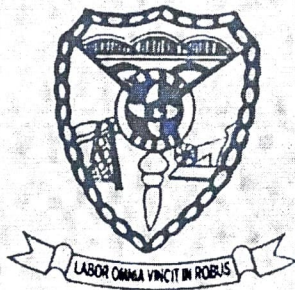
PROJECT WORK(PHASE I REPORT)

Submitted by

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(311519418001)

in partial fulfillment for the award of the degree of

**MASTER OF ENGINEERING IN
CONSTRUCTION ENGINEERING AND MANAGEMENT**



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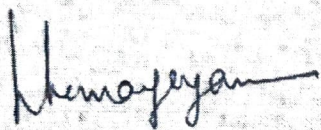
DECEMBER 2020

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Dr.L.Ramajeyam

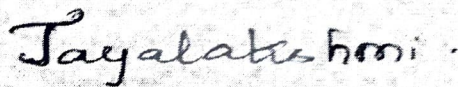
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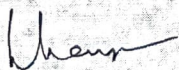
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Submitted for the viva -voce examination on 05-08-2021



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ABSTRACT

Designing of green building and identifying the raw materials for the green building for the construction and also identify the suitable renewable resource considering the availability of raw materials and climatic conditions favourable for the renewable source. Through the literature review, and collecting the primary data for renewable source design and usage and its work load and also by conducting life cycle cost analysis of green building and relating the cost analysis for normal building and green building and difficulties in implementing of green building. This study also deals with the various costs involved in life cost analysis of building. Basically construction of green building is costlier than normal building but other than initial capital cost maintenance cost, power cost, repair cost are comparatively less than normal building, this study shows clear image of previous statement.



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ACKNOWLEDGEMENT

An endeavour over a long period can be successful only with the advice and support of many well-wishers. I take this opportunity to express my gratitude and appreciations to all of them. The project has been successfully initiated due to the blessings showered on me by God. I thank God for giving physical and mental stamina to complete the phase I project report.

I deem it great pride in expressing my heartfelt gratitude to our beloved correspondent **Dr. K.S. Lakshmi**, our secretary **Dr.K.S. Babai** and our principal **Dr.P.K.Suresh**.

I am highly thankful to **Dr. L. Ramajeyam**, Dean and Head of the department of civil engineering and P.G. Coordinator **Dr. R. Arivazhagan** for giving me guidance throughout, for the successful completion of phase I project.

Sincerest thanks to my Internal guide **Mrs. M.S. Jayalakshmi** for giving me her valuable suggestions and encouragement at all stages of my phase I project.

Most importantly, I would like to thank all my family, friends, staff members and classmates who helped me in every possible way and guiding me in the completion of phase I project.

PRINCIPAL

CHENNAI ENGINEERING COLLEGE

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S.HARIHARAN

**RISK AND CRISIS MANAGEMENT IN
CONSTRUCTION PROJECTS - AN IMPLICATION
APPROACH**

A THESIS

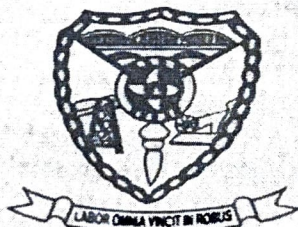
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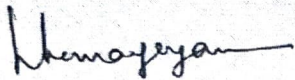
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BONAFIDE CERTIFICATE

Certified that this thesis titled "RISK AND CRISIS MANAGEMENT IN CONSTRUCTION PROJECTS - AN IMPLICATION APPROACH" is the bonafide work of **HARIPRIYA R (Reg No: 311519418002)** who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not 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.



Prof. Dr. L. Ramajeyam Ph.D.

M.E., F.I.E., F.I.V., C.Engg.(Ind)

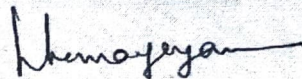
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Prof. Dr. L. Ramajeyam Ph.D.

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ABSTRACT

Risk management is expecting the unexpected — it is a tool that helps to control risks in construction projects. It gives the framework for managing and minimizing the risks in construction projects at all levels. The literature study has been done to know the different types of risk management systems and techniques used for risk analysis in construction projects and to know about the varied perceptions of risk, crisis management in construction projects in various developed countries like London, USA, Australia and Germany. The main aim of the research was first to know the attitude of construction stakeholders and practitioners towards risk and crisis management through questionnaire, second is to explore the management systems, tools for risk and crisis analysis, monitoring, controlling. It also aims to check their utility for actual practice in construction and tries to find out the effective approach for the complete incorporation. This paper examines the seven major type of risks in construction named as Saptha Sort, and tries to minimize the losses during construction by making the common public informed about the basic elements of construction risks and crisis management in construction.



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CHAPTER 7

CONCLUSION

Usually construction risks are constrained and limited only to cost and time overruns, but in the deeper sense less awareness and poor participation of construction stakeholders projects the construction environment to be complex. Construction projects are facing a number of risks which have negative effects on project objects such as time, cost, safety and quality.

Although numerous papers have been written on the subject of risk management, most of the surveys are conducted in the developed countries and little information exists on the perception of risk in developing countries. This study is based on findings of a questionnaire-based survey on risk management perception in construction projects in India, reporting the significance of different types of risk, ultimate responsibility for them and the effectiveness of some most common risk management techniques practiced in the industry. Risks which are not recognized cannot be assessed and dealt with. However, a complete coverage of the risks is also impossible. The task of risk management is therefore to cover the essential risks as completely as possible. Thus for making the defect free construction environment it is mandatory to adopt risk management, if not completely but at least risk identification measures have to be given due importance.

From the survey analysis it is very clear that people are willing to take up risk management but the lack of awareness is identified as the major constraint for actual utilization of risk techniques. Since there is no regulated guidelines briefing the roles of construction stakeholders, a huge ambiguity exist for deciding the responsibilities and liabilities of the work process. Among the seven major types of risks, the management risk creates huge impact as the



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