



# **T.J.S ENGINEERING COLLEGE**

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai.  
TJS Nagar, Peruvoyal, Near Kavaraipettai, Gummidipoondi Taluk, Thiruvallur District -601206



**APVK INFRA PRIVATE LTD**

**CHENNAI**

**01.02.2022 TO 02.03.2022**



# T.J.S. ENGINEERING COLLEGE

(Approved by AICTE, Affiliated to Anna University, Chennai & Accredited by NAAC)  
An ISO 9001:2015 Certified Institution



Dr.J.PRAKASH, M.E, Ph.D.,  
PRINCIPAL ,  
E-mail : principal@tjsenggcollege.com  
7373730006,044-27967602

20/01/2022

TO  
The Manager,  
APVK Infra pvt ltd,  
Chennai-600101.

Sir,

Sub: 1241 — T.J.S Engineering College — T.J.S. Nagar,  
Peruvoyal, Near Kavaraipettai, Gummidipoondi Taluk,  
Thirvallur Dist — 60106. Internship at APVK Infra  
pvt ltd Chennai 600101–Requested

The following students are studying in final year and second  
year civil engineering in the academic year 2021-2022.The following  
Civil students are interested to undergo Internship at APVK Infra  
pvt ltd

1. Deepika. M	112818103001
2. Divakar. S	112818103002
3. Ezhilarasan. D	112818103003
4. Rajesh. S	112818103004
5. Sekar. S	112818103005
6. Bandaru Himanth	112818103301
7. Manoj M	112820103305
8. Narasimma S	112820103306
9. Siva kumar v	112820103310
10. Sathiyamoorthy S	112820103309

Hence, necessary permission may please be accorded to them

Thanking you,

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Gummidipoondi Taluk,  
Thirvallur Dist - 601 206.

T.J.S.Nagar, Peruvoyal, Near Kavaraipettai, Gummidipoondi Taluk, Thirvallur Dist - 601 206.  
Phone : 044 27967600, 27967602, 27967604, 27967605, Fax : 044 2796 7606.

E-mail : [tjsivanandam@ymail.com](mailto:tjsivanandam@ymail.com), [tjsivanandam@gmail.com](mailto:tjsivanandam@gmail.com) Website : [www.tjsec.in](http://www.tjsec.in)



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## CONFIRMATION LETTER

Date: 28.01.2022

**From**

Head of the Department,  
Department of Civil Engineering,  
T.J.S. Engineering College.

**To**

The Principal,  
T.J.S. Engineering College.

**PRINCIPAL**  
**T.J.S. ENGINEERING COLLEGE**  
Peruvoyal, Kavaraipettai,  
Gummidipoondi Taluk,  
Thiruvallur Dist - 601 206.



**Sub: Seeking Permission for Internship – Reg.**

**Respected Sir,**

I would like to inform you that, the request letter send to APVK infra pvt ltd Chennai, regarding Internship for II & IV year CIVIL students. We received a confirmation letter from APVK infra pvt ltd, Chennai, In this regard ,permission may kindly be granted from 01.02.2022 to 02.03.2022.

Thanking You Sir,

Yours Faithfully,

(Mr. S.SIVACHANDRAN)



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## DEPARTMENT OF CIVIL ENGINEERING

### Students Name List for Internship

APVK Infra pvt ltd, Chennai

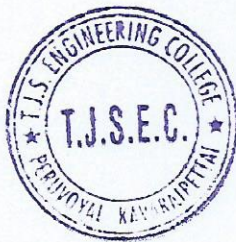
Duration Period: 01.02.2022 to 02.03.2022

S.No	Register Number	Name of the Student
1.	Deepika.M	112818103001
2.	Divakar.S	112818103002
3.	Ezhilarasan.D	112818103003
4.	Rajesh.S	112818103004
5.	Seakar S	112818103005
6.	Bandaru Himanth	112818103301
7.	Manoj M	112820103305
8.	Narasimma S	112820103306
9.	Siva Kumar V	112820103310
10.	Sathiyamoorthy S	112820103309

Class In charge

HOD/CIVIL

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CIN : U45203TN2022PTC152509

DATE: 27/01/2022

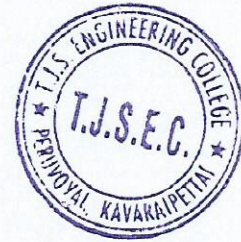
Respected Sir / Madam

We herewith are giving our permission to your students for doing Internship at our site on 01.02.2022 to 02.03.2022 on Academic interest. You are requested to ensure that students should follow the conditions

- 1) The students and faculty staff should cooperate with the department's officials, for which the principal should take all responsibilities.
- 2) This visit only for academic interest. Any other activity will not be entertained
- 3) All the students should produce college id card during the visit

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HRD



D.No.1160, West End Colony, Anna Nagar West Extension, Chennai - 600 101.

PAN NO: AAXCA0523C, GST NO: 33AAXCA0523C1Z2

Phone No: 044-27925544 / 27925245

Email : apvkinfra@gmail.com



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## INTERNSHIP REPORT

A report submitted in partial fulfilment of the requirements  
for the Degree of

BACHELOR OF ENGINEERING

In

CIVIL ENGINEERING

By

1) Deepika. M	112818103001
2) Divakar. S	112818103002
3) Ezhilarasan. D	112818103003
4) Rajesh. S	112818103004
5) Sekar. S	112818103005
6) Bandaru Himanth	112818103301
7) Manoj M	112820103305
8) Narasimma S	112820103306
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## ACKNOWLEDGMENT

We are very thankful to **APVK INFRA PVT LTD.** For having given use the opportunity to undertake our two months internship class in their working area. It was good learning experience for use to have worked at this area.

We would like to convey my heartiest thanks to resident **ENGINEERS** and all **STAFF** members. The endless support at site by consulting use how does things in the site and how to write this report in outstanding manner.



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## ABSTRACT

Broad spectrum of our purpose of this course is to apply the theoretical knowledge into practical work.

- Parts in our training the
- First part was practical part and
- Second part is office work.

Trained as site engineer to have the opportunity to supervise the construction work closely.



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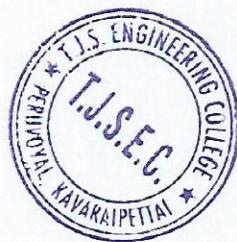
## CONTENTS

1. INTRODUCTION
2. DETAIL OF THE PROJECT
3. REPORT ON CONSTRUCTION OF BUILDING
  - Curing
  - De shuttering
  - Brick work
  - Plastering
  - Flooring

REPORT ON DAILY PROGRESS REPORT.

REPORT ON DAILY LABOUR REPORT.

REPORT ON SAFETY AND FIRST CONCLUSION.



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## INTRODUCTION

Engineering is the professional art of applying science to the optimum Conservation of the resource of nature to benefit a person.

- a. Apply theoretical knowledge in industrial application.
- b. Acquire knowledge of various stages of construction, project management and team-work.
- C. Provide opportunity for students to work with industrial practitioners.
- d. Implement health safety environment practices at work Place.



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## DETAIL REPORT ON CONSTRUCTION OF RESIDENTIAL & COMMERCIAL BUILDING

### CURING

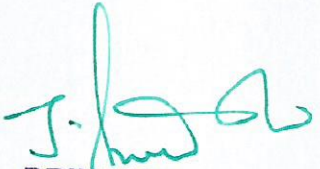
Covering concrete surface (or) gunny bags, sprinkling of water, ponding method, shade concrete work, membrane curing, steam curing.

### Method of curing

Concrete curing methods may be divided broadly into four categories:

- a) Water curing
- b) Membrane curing
- c) Application curing
- d) Miscellaneous



  
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## DESHUTTERING

The process required for de-shuttering of formwork as well as the time period to remove the formwork from column, walls, beam, slab, staircase, foundation footing etc.

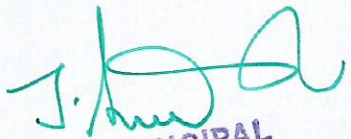
The removal of concrete formwork is also known as strike off or stripping of formwork. It should be performed when the concrete obtains adequate strength.

While removing formworks,

- freeze thaw damage
- Development of cracks because of thermal contraction of concrete

Special consideration should be given for formwork removal of flexural members like beams and slabs because these members are dependent on self load and live load even throughout construction, they may deflect if adequate strength is not obtained to manage the loads.



  
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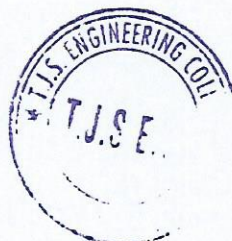


## BRICK WORK

A brick is a building material used to make walls, pavements and other elements.

## TYPES OF BRICK

- Conventional mud brick
- Factory made mud bricks
- Concrete solid bricks and hollow bricks
- Fly ash brick
- Acid resistant brick



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## USED IN MASONRY

- Common burnt clay bricks
- Sand lime brick
- Engineering brick
- Concrete brick

Brick used in site: Clay brick (1<sup>st</sup> class brick).

Size: 19x9x9(cm).



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## PLASTERING

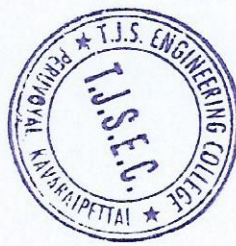
The process of covering rough walls and uneven surfaces in the construction of houses and other structures with plastic material

This is a mixture of lime or cement concrete and sand along with the required quantity of water.

**Plastering mix ratio: 1:3 for external walls and ceiling.**

**1:4 for internal walls.**

**Grade of cement used for plastering: M43 grade.**

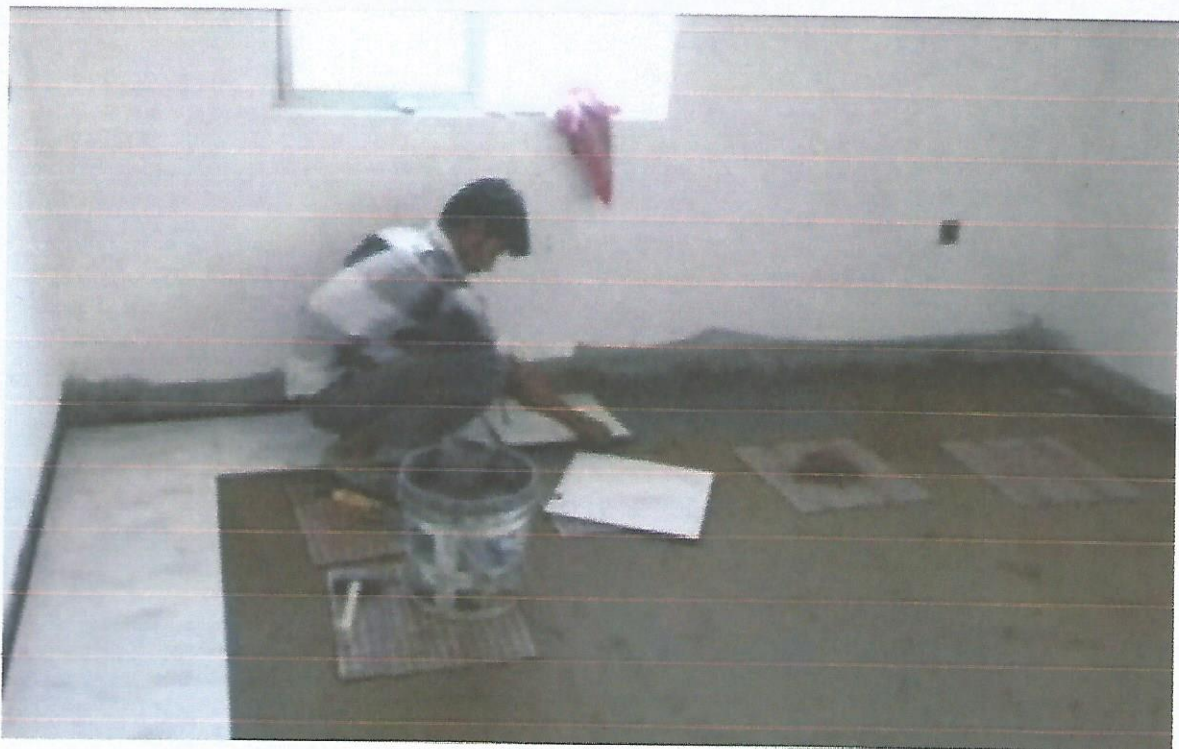


*J. Anand*  
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601 206



## FLOORING

Flooring is the general term for a permanent covering of a floor, or for the work of installing such a floor covering. Floor covering is a term to generically describe any finish material applied over a floor structure to provide a walking surface. Both terms are used interchangeably but floor covering refers more to loose-laid materials.



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## REPORT ON DAILY PROGRESS REPORT

It includes number of working hours, type of work performed, potential delay, completed task.

### PURPOSE

- It includes delays and other issues.
- It improves customer relation.
- It helps to manage our time.
- It can settle disputes.

### DETAILS IN DAILY REPORT

- Project information.
  - Weather condition.
  - Labour time spent.
  - Equipment used and received.
- Task in progress and task completed.
- Potential risk, issues, delays.
  - Safety observation and accidents.



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## USES

- It helps to how project is doing and going.
- It helps to calculate manpower details.

## DAILY REPORT CHECK

### General

1. No of peoples working.
2. Activities in progress or done.
3. Activities to do tomorrow.

### Delays

1. Delay due to weather.
2. Due to material / equipment availability.

## REPORT ON DAILY LABOUR REPORT

## DAILY LABOUR REPORT CLASSIFICATION

- Rate work
- Nominal mazdoor role (NMR)


## RATE WORK

Rate work means for quantity of work they will fix a rate and  
Then they will work.

## NOMINAL MAZDOOR ROLE

NMR means labour they work for daily wages.



  
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## REPORT ON SAFETY AND FIRST AID

### CONSTRUCTION AREA

- Authorised persons only.
- Safety helmet required.
- Warning boards falling materials.
- Warning boards for moving equipment.
- Watch for uneven surfaces.

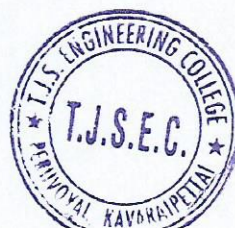
### SAFETY

Safety is a way of our life.

### SAFE WORKING PLACE, DUE TO OUR NATURE OF WORK

- Working environment, mostly hot and under the SUN
- Temporary Road
- Temporary Electrical connection
- Temporary lift
- Temporary shed
- Temporary fixtures and more

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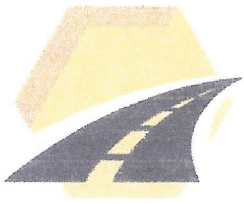
## CONCLUSION

We would like to say that this internship program is an excellent opportunity for us get to the ground level and experience the things that we would have never gained through going straight into a job.

The internship program is to provide an opportunity to undergraduate to identify, observe and practice how engineering is applicable in the real industry. It is more useful for experience needed to be successful.



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# APVK INFRA PRIVATE LIMITED

CIN : U45203TN2022PTC152509

DATE : 04/03/2022

## CERTIFICATE

This is to certify that Ms.Deepika M, 4th year B.E ( Civil ) student of T.J.S Engineering College, Peruvoyal, Chennai - 601 206 had undergone Internship Training in APVK Infra private limited at Anna nagar Chennai – 601101 from 01.02.2022 to 02.03.2022 and completed the same satisfactorily.

HRD



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D.No.1160, West End Colony, Anna Nagar West Extension, Chennai - 600 101.

PAN NO: AAXCA0523C, GST NO: 33AAXCA0523C1Z2

Phone No: 044-27925544 / 27925245

Email : apvkinfra@gmail.com



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## CERTIFICATE

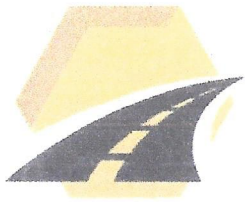
This is to certify that Mr. Divakar.S, 4th year B.E ( Civil ) student of T.J.S Engineering College, Peruvoyal, Chennai - 601 206 had undergone Internship Training in APVK Infra private limited at Anna nagar Chennai – 601101 from 01.02.2022 to 02.03.2022 and completed the same satisfactorily.

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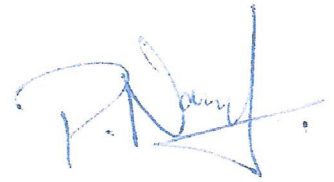
CIN : U45203TN2022PTC152509

DATE : 04/03/2022

## CERTIFICATE

This is to certify that Mr. Ezhilarasan.D, 4th year B.E ( Civil ) student of T.J.S Engineering College, Peruvoyal, Chennai - 601 206 had under gone Internship Training in APVK Infra private limited at Anna nagar Chennai – 601101 from 01.02.2022 to 02.03.2022 and completed the same satisfactorily.

  
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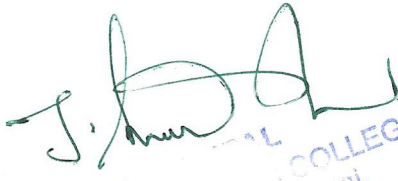
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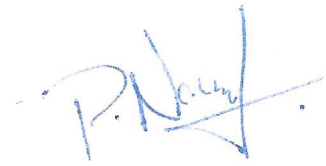
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## CERTIFICATE

This is to certify that Mr. Rajesh.S, 4th year B.E ( Civil ) student of T.J.S Engineering College, Peruvoyal, Chennai - 601 206 had undergone Internship Training in APVK Infra private limited at Anna nagar Chennai – 601101 from 01.02.2022 to 02.03.2022 and completed the same satisfactorily.

  
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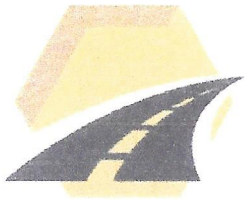
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Phone No: 044-27925544 / 27925245

Email : apvkinfra@gmail.com





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DATE : 04/03/2022

## CERTIFICATE

This is to certify that Mr. Sekar.S, 4th year B.E ( Civil ) student of T.J.S Engineering College, Peruvoyal, Chennai - 601 206 had undergone Internship Training in APVK Infra private limited at Anna nagar Chennai - 601101 from 01.02.2022 to 02.03.2022 and completed the same satisfactorily.

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CIN : U45203TN2022PTC152509

DATE : 04/03/2022

## CERTIFICATE

This is to certify that Mr. Sekar.S, 4th year B.E ( Civil ) student of T.J.S Engineering College, Peruvoyal, Chennai - 601 206 had undergone Internship Training in APVK Infra private limited at Anna nagar Chennai – 601101 from 01.02.2022 to 02.03.2022 and completed the same satisfactorily.

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Phone No: 044-27925544 / 27925245

Email : apvkinfra@gmail.com



# APVK INFRA PRIVATE LIMITED

CIN : U45203TN2022PTC152509

DATE : 04/03/2022

## CERTIFICATE

This is to certify that Mr. Bandaru Himanth, 4th year B.E ( Civil ) student of T.J.S Engineering College, Peruvoyal, Chennai - 601 206 had under gone Internship Training in APVK Infra private limited at Anna nagar Chennai – 601101 from 01.02.2022 to 02.03.2022 and completed the same satisfactorily.

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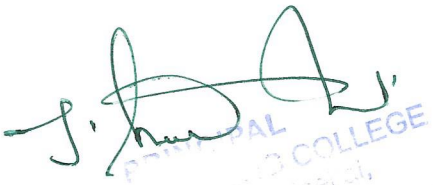
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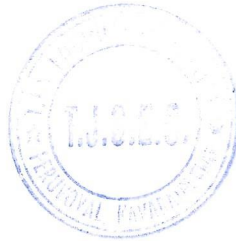
CIN : U45203TN2022PTC152509


DATE : 04/03/2022

## CERTIFICATE

This is to certify that Mr. Manoj M, 2nd year B.E ( Civil ) student of T.J.S Engineering College, Peruvoyal, Chennai - 601 206 had undergone Internship Training in APVK Infra private limited at Anna nagar Chennai – 601101 from 01.02.2022 to 02.03.2022 and completed the same satisfactorily.

  
T.J.S. ENGINEERING COLLEGE  
Peruvoyal, Kanchipuram Dist,  
Gummidipoondi - 601 206,  
Thiruvallur Dist - 601 206.





HRD

D.No.1160, West End Colony, Anna Nagar West Extension, Chennai - 600 101.  
PAN NO: AAXCA0523C. GST NO: 33AAXCA0523C1Z2  
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# APVK INFRA PRIVATE LIMITED

CIN : U45203TN2022PTC152509

DATE : 04/03/2022

## CERTIFICATE

This is to certify that Mr. Sivakumar V, 2nd year B.E ( Civil ) student of T.J.S Engineering College, Peruvoyal, Chennai - 601 206 had under gone Internship Training in APVK Infra private limited at Anna nagar Chennai – 601101 from 01.02.2022 to 02.03.2022 and completed the same satisfactorily.

HRD

PRINCIPAL  
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CIN : U45203TN2022PTC152509

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## CERTIFICATE

This is to certify that Mr. Sathiyamoorthy S, 2nd year B.E ( Civil ) student of T.J.S Engineering College, Peruvoyal, Chennai - 601 206 had under gone Internship Training in APVK Infra private limited at Anna nagar Chennai – 601101 from 01.02.2022 to 02.03.2022 and completed the same satisfactorily.

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