

Date:21/08/2015

Application for Internship Training

To

The HoD

Computer Science & Engineering Department,

TGPCET, Nagpur

Subject: Application for the issue the permission letter for Internship Training

Company Name: ICON Computers

Applicant Name: Chetan Nagpure, Ashish Patel

Respected Madam,

We the students of VII Semester Computer Science & Engineering Department of Tulsiramji Gaikwad-Patil College of Engineering & Technology Nagpur, request you to allow me to do internship. The duration of training is for 2 months.

So kindly permit me have been thoroughly preparing industrial working culture under the guidance of experienced employee and gaining practical knowledge will develop my professional level with effectiveness.

Thanking You.

Your's faithfully,

1. Chetan Nagpure[VII Sem CSE] 
2. Ashish Patel[VII Sem CSE] 

Tulsiramji Gaikwad-Patil College of Engineering & Technology
Department of Computer Science & Engineering
Session 2015-16

Ref: TGPCET/CSE/2015-16/ 256

Date : 24/08/2015

To,
The Manager,
ICON Computers
Nagpur.

Subject:- Internship Training for students of B.E. VII SEMESTER of Computer Science and Engineering Department in your esteemed organization.

Respected Sir/Madam,

Greetings from Tulsiramji Gaikwad-Patil College of Engineering and Technology, Mohagaon, Wardha Road, Nagpur.

We are conducting four years fulltime Engineering degree in Computer Science and Engineering course affiliated to R.T.M. Nagpur University, recognized by Maharashtra State Government and approved by AICTE , New Delhi.

Some of our students of B.E.(CSE) VII Semester are willing to take internship training in software technology practices in your esteem organization. After completion of training student has to submit their work as a Internship report to the Head of Department.

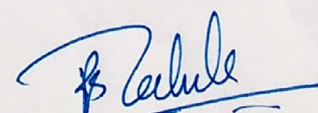
The following students of our college in B.E. VII Sem(CSE) had approached you for their Internship Training in your organization :-

Sr. No.	Name of Students
1	Chetan Nagpure
2	Ashish Patel

I assure you that the information collected by the students will be exclusively used for academic pursuits only. You are requested to co-operate and needful for giving the opportunity to work with your organization.

With Regards




Prof. Roshani Talmale
HoD (CSE)
T.G.P.C.E.T, Nagpur

Head of Dept. (Computer Science & Engg.)
Tulsiramji Gaikwad-Patil College of
Engineering and Technology, Nagpur

Ref No. ICON/gen/15-16/1276

Date: 26/06/2015

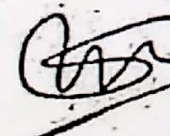
To,
The HOD[CSE,
TGPCET, Nagpur

Subject: Regarding joining of "Internship Programme" by the students of your college.

Respected Sir/Madam,

We are pleased to inform you that the Mr. Chetan Nagpure of BE final year students from Computer Science & Engineering department has been selected as an Software Development trainee in our company.

Duration of internship training is for 2 months from 29th June 2015 to 28th August 2015.

For Icon Computers

Authorized Signatory

ICON COMPUTERS
NAGPUR

Ref No. ICON/gen/15-16/1277

Date: 26/06/2015

To,
The HOD[CSE],
TGPCET, Nagpur

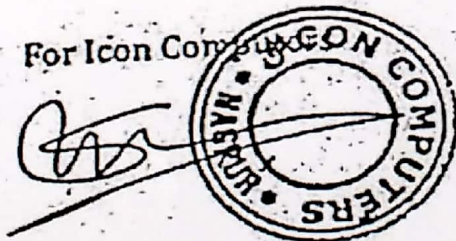
Subject: Regarding joining of "Internship Programme" by the students of your college.

Respected Sir/Madam,

We are pleased to inform you that the Mr. Ashish Patel of BE final year students from Computer Science & Engineering department has been selected as an Software Development trainee in our company.

Duration of internship training is for 2 months from 29th June 2015 to 28th August 2015.

For Icon Computers



Authorized Signatory



TULSIRAMJI GAIKWAD-PATIL
College of Engineering & Technology
Mohgaon, Wardha Road, Nagpur – 441 108
(Approved by AICTE, Recognised by Govt. of Maharashtra, Affiliated to RTM Nagpur University, Nagpur)

“Industrial Training Report on PHP”

*This Industrial Case Study report is submitted to
Rashtrasant Tukdoji Maharaj Nagpur University
in partial fulfillment of the requirement
for the award of the degree*

of

Bachelor of Engineering in Computer Science & Engineering

By

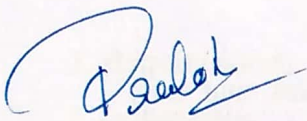
Mr. Chetan Nagapure



**COMPUTER SCIENCE & ENGINEERING
DEPARTMENT
SESSION 2015-16**

CERTIFICATE OF APPROVAL

This is to certify that the Industrial Case Study entitled '*Event organization web application*' carried out by **Chetan Nagapure** of the Final year Computer Science & Engineering, during the academic year 2015-2016, in partial fulfillment of the requirement for the award of the degree of **Bachelor of Engineering in Computer Science & Engineering** offered by the **Rashtrasant Tukdoji Maharaj Nagpur University**.



Pratik Andulkar
(Industry Mentor Name)



Prof. Roshani Talmale
(HOD of CSE Department)

Head of Dept. (Computer Science & Engg.)
Tulsiramji Gaikwad-Patil College of
Engineering and Technology, Nagpur

Date: 05/09/2015

Place: Nagpur

DECLARATION

I/We certify that,

- a. The work contained in this Industrial Case Study has been done by me under the guidance of my supervisors.
- b. The work has not been submitted to any other Institute for any degree or diploma.
- c. I/We have followed the guidelines provided by the Institute in preparing the Industrial Case Study report.
- d. I/We have conformed to the norms and guidelines given in the Ethical Code of Conduct of the Institute.
- e. Whenever I/We have used materials (data, theoretical analysis, figures, and text) from other sources, I/We have given due credit to them by citing them in the text of the report and giving their details in the references. Further, I/We have taken permission from the copyright owners of the sources, whenever necessary.



Mr. Chetan Nagapure

CONTENTS

Acknowledgement

Abstract

Abbreviations

CHAPTER 1: INTRODUCTION

- 1. Features**
- 2. Contributing**

CHAPTER 2: INSTALLING /CONFIGURING

- 1. Requirements**
- 2. Installation**
- 3. Using samples**

CHAPTER 3: STYLES

- 1. Section**
- 2. Font**
- 3. Paragraph**

CHAPTER 4: TEMPLATES PROCESSING

ABSTRACT

- Our main aim of this project is to make and provide an ideal software solution to book – events ,to cancel events, to protect user data and to save the valuable time of the user.
- To fulfill the requirements of user.
- To make the user experience of using this software is a pleasure one.
- Our AEM is a software which provides each and every information of the event like event calendaring, venue scheduling, providing details of manager and volunteer. It can be accessible from any place.

ACKNOWLEDGEMENT

I would like to take this opportunity to express my sincere thanks and gratitude to the organization AEM EVENT for all their guidance, inspiration, constructive suggestions which helped me in the project. The successful start of this project was made by their guidance and co-operation. I also owe my heartfelt gratitude and deep regards towards my guide MR. PRATIK ANDULKAR for leading and directing me at every step of the project. I would like to thank her for her invaluable help and for her crucial role throughout the course. Last but not the least I would like to thanks all the people who directly indirectly who have helped and encouraged me in completing the project effectively and timely

ABBREVIATION

It is designed in such a way that student can grasp maximum knowledge and can get practical exposure to the corporate world in minimum possible time. Business schools of today realize the importance of practical knowledge over the theoretical base. The research report is necessary as it provides an opportunity to the researcher in understanding the industry with special emphasis on the development of skills in analyzing and interpreting practical problems through the application of management theories and techniques. It is a new platform of learning through practical experience.

Chapter – 1

INTRODUCTION

PHP Word is a library written in pure PHP that provides a set of classes to write to and read from different document file formats. The current version of PHPWord supports Microsoft Office Open XML (OOXML or OpenXML), OASIS Open Document Format for Office Applications (OpenDocument or ODF), and Rich Text Format (RTF).

PHPWord is an open source project licensed under the terms of LGPL version 3. PHPWord is aimed to be a high quality software product by incorporating continuous integration and unit testing. You can learn more about PHPWord by reading this Developers' Documentation and the API Documentation.

1.1 Features :-

- Set document properties, e.g. title, subject, and creator.
- Create document sections with different settings, e.g. portrait/landscape, page size, and page numbering
- Create header and footer for each sections
- Set default font type, font size, and paragraph style
- Use UTF-8 and East Asia fonts/characters
- Define custom font styles (e.g. bold, italic, color) and paragraph styles (e.g. centered, multicolumns, spacing) either as named style or inline in text
- Insert paragraphs, either as a simple text or complex one (a text run) that contains other elements
- Insert titles (headers) and table of contents
- Insert text breaks and page breaks
- Insert right-to-left text
- Insert and format images, either local, remote, or as page watermarks
- Insert binary OLE Objects such as Excel or Visio • Insert and format table with customized properties for each rows (e.g. repeat as header row) and cells (e.g. background color, rowspan, colspan)

1.2 Contributing :-

We welcome everyone to contribute to PHPWord. Below are some of the things that you can do to contribute.

- Read our contributing guide.
- Fork us and request a pull to the develop branch.
- Submit bug reports or feature requests to GitHub.
- Follow @PHPWord and @PHPOffice on Twitter

Chapter – 2

INSTALLING/CONFIGURING

2.1 Requirements :-

Mandatory:

- PHP 5.3.3+
- XML Parser extension
- Zend\Escaper component
- Zend\Stdlib component
- Zend\Validator component

Optional:

- Zip extension
- GD extension
- XMLWriter extension
- XSL extension
- dompdf library

2.2 Installation :-

PHPWord is installed via Composer. You just need to add dependency on PHPWord into your package.

Example:

```
{  
    "require": {  
        "phpoffice/phpword": "v0.14.*"  
    }  
}
```

If you are a developer or if you want to help us with testing then fetch the latest branch for developers. Notice: all contributions must be done against the developer branch.

Example:

```
{  
  "require": {  
    "phpoffice/phpword": "dev-develop"  
  }  
}
```

2.3 Using samples:-

More examples are provided in the samples directory. For an easy access to those samples launch `php -S localhost:8000` in the samples directory then browse to `http://localhost:8000` to view the samples.

Chapter – 3

STYLES

3.1 Section :-

Available Section style options:

- `borderBottomColor`. Border bottom color.
- `borderBottomSize`. Border bottom size in twip.
- `borderLeftColor`. Border left color.
- `borderLeftSize`. Border left size in twip.
- `borderRightColor`. Border right color.
- `borderRightSize`. Border right size in twip.
- `borderTopColor`. Border top color.
- `borderTopSize`. Border top size in twip.
- `breakType`. Section break type (`nextPage`, `nextColumn`, `continuous`, `evenPage`, `oddPage`).
- `colsNum`. Number of columns.
- `colsSpace`. Spacing between columns.
- `footerHeight`. Spacing to bottom of footer.
- `gutter`. Page gutter spacing.
- `headerHeight`. Spacing to top of header.
- `marginTop`. Page margin top in twip.
- `marginLeft`. Page margin left in twip.
- `marginRight`. Page margin right in twip.
- `marginBottom`. Page margin bottom in twip.
- `orientation`. Page orientation (`portrait`, which is default, or `landscape`).

3.2 Font :-

Available Font style options:

- `allCaps`. All caps, true or false.
- `bgColor`. Font background color, e.g. `FF0000`.
- `bold`. Bold, true or false.
- `color`. Font color, e.g. `FF0000`.
- `doubleStrikethrough`. Double strikethrough, true or false.
- `fgColor`. Font highlight color, e.g. yellow, green, blue. See `\PhpOffice\PhpWord\Style\Font::FGCOLOR_`. ... constants for more values
- `hint`. Font content type, default, eastAsia, or cs.

- **italic.** Italic, true or false.
- **name.** Font name, e.g. Arial.
- **rtl.** Right to Left language, true or false.
- **size.** Font size, e.g. 20, 22.
- **smallCaps.** Small caps, true or false.
- **strikethrough.** Strikethrough, true or false.
- **subScript.** Subscript, true or false.
- **superScript.** Superscript, true or false.
- **underline.** Underline, single, dash, dotted, etc. See `\PhpOffice\PhpWord\Style\Font::UNDERLINE_` .. constants for more values
- **lang.** Language, either a language code like en-US, fr-BE, etc. or an object (or as an array) if you need to set eastAsian or bidirectional languages See `\PhpOffice\PhpWord\Style\Language` class for some language codes.
- **position.** The text position, raised or lowered, in half points

3.3 Paragraph :-

Available Paragraph style options:

- **alignment.** Supports all alignment modes since 1st Edition of ECMA-376 standard up till ISO/IEC 29500:2012. See `\PhpOffice\PhpWord\SimpleType\Jc` class for the details.
- **basedOn.** Parent style.
- **hanging.** Hanging in twip.
- **indent.** Indent in twip.
- **keepLines.** Keep all lines on one page, true or false.
- **keepNext.** Keep paragraph with next paragraph, true or false

Chapter – 4

TEMPLATES PROCESSING

You can create an OOXML document template with included search-patterns (macros) which can be replaced by any

value you wish. Only single-line values can be replaced.

To deal with a template file, use new TemplateProcessor statement. After TemplateProcessor instance creation the document template is copied into the temporary directory. Then you can use

TemplateProcessor::setValue method to change the value of a search pattern. The search-pattern model is: `${search-pattern}`.

Example:

```
TemplateProcessor = new TemplateProcessor('Template.docx');  
TemplateProcessor->setValue('Name', 'John Doe');  
TemplateProcessor->setValue(array('City', 'Street'), array('Detroit', '12th Street  
, →'));
```

It is not possible to directly add new OOXML elements to the template file being processed, but it is possible to transform headers, main document part, and footers of the template using XSLT (see

TemplateProcessor::applyXslStyleSheet).

See Sample_07_TemplateCloneRow.php for example on how to create multirow from a single row in a template by using TemplateProcessor::cloneRow.

See Sample_23_TemplateBlock.php for example on how to clone a block of text using TemplateProcessor::cloneBlock and delete a block of text using TemplateProcessor::deleteBlock.

01/09/2015

To Whom It May Concern

This is to certify that Mr Chetan Nagpure has successfully completed his internship as Junior Software Developer for duration of 2 months from 29th June 2015 to 28th August 2015.

During his internship we found him sincere, hardworking, technically sound and result oriented. Chetan Nagpure has a friendly, outgoing personality and works well as part of a team. We take this opportunity to thank him for his contribution and wish him success in his future endeavours.

For Icon Computers



Authorized Signatory

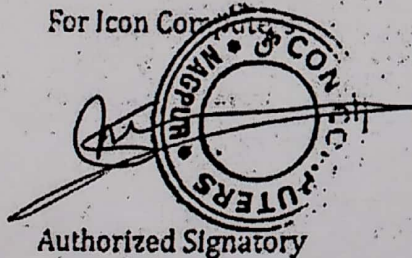
01/09/2015

To Whom It May Concern

This is to certify that Mr Ashish Patel has successfully completed his internship as Junior Software Developer for duration of 2 months from 29th June 2015 to 28th August 2015.

During his internship we found him sincere, hardworking, technically sound and result oriented. Ashish Patel has a friendly, outgoing personality and works well as part of a team. We take this opportunity to thank him for his contribution and wish him success in his future endeavours.

For Icon Computers

A circular stamp with the text "ICON COMPUTERS" around the perimeter and "NAGPUR" in the center. A handwritten signature is written across the stamp.

Authorized Signatory



Vidarbha Bahu-uddeshiya Shikshan Sanstha's

TULSIRAMJI GAIKWAD-PATIL College of Engineering & Technology

Mohgaon, Wardha Road, Nagpur - 441 108 Tel: 07103-645410 Mob: 09922966173
Approved by AICTE, New Delhi, Govt. of Maharashtra & Affiliated to RTM Nagpur University
E-mail: principal@tgpceL.com Website: www.tgpceL.com
An ISO 9001:2008 Certified Institution



GAIKWAD-PATIL
GROUP OF INSTITUTIONS

Ojaswini Complex
Gayatri Nagar, IT Park Road
Nagpur - 440 022
Tel: 0712 664 8252
Fax: 0712 224 0656
E-mail: vidarbhabuss@yahoo.co.in

Ref: TGPCET/EE/2015-16/167

Date: 1st Jan 2016

To,
The Manager,
CSTPS,
Chandrapur

Subject: Letter regarding Summer Internship Program in your organization.

Respected Sir,

Warm greetings from **GAIKWAD-PATIL GROUP OF INSTITUTIONS**

GAIKWAD-PATIL GROUP OF INSTITUTIONS is one of the most prestigious educational groups in Nagpur. Tulsiramji Gaikwad-Patil College of Engineering & Technology (TGPCET) and Abha Gaikwad-Patil College of Engineering (AGPCE) offers a range of disciplines in Engineering & Technology and Management.

As a professional educational group involved in producing engineers, it is imperative for us that our students are industry relevant and ready and therefore we would like to request you to allow our following Student of **Electrical Engineering**, from **Tulsiramji Gaikwad-Patil College of Engineering & Technology, Nagpur** in your esteemed organization so that it will help us as well as to students to understand what an industry such as yours needs from a fresh engineering graduate. We are hoping to get our students work under your guidance. We will take the responsibility of Students Behavior and assure you that they will not break any regulations of your esteemed company.

1. Tejaswini Chahare
2. Aishwarya Upare
3. Vishal Shankarbhatlwar
4. Anal Burhan
5. Ajay Balkhande



Regards,


Head, T&P

GAIKWAD-PATIL GROUP OF INSTITUTIONS



Tulsiramji Gaikwad-Patil College of Engineering and Technology
Wardha Road, Nagpur-441 108

Department of Electrical Engineering

Application for Internship Training

To

The HoD

Department of Electrical Engineering,
Nagpur

Subject: Application for the issue the permission letter for Internship Training

Company Name: CSTPS , chandrapur

Applicant Name: Aishwarya Upare, Tejaswini chahare,
Anal burhan, Vishal Shankarbhratalwar,
Ajay Balkhande

Respected Sir,

I am the students of 6th Semester Electrical Engineering Department of Tulsiramji Gaikwad Patil College of Engineering & Technology Nagpur, request you to allow me to do internship. The duration of training is 6/1 - 28/1/16

So kindly permit me as I have been thoroughly preparing industrial working culture under the guidance of experienced employee and gaining practical knowledge will develop my professional level with effectiveness.

Thanking You.

- 1) Anal Burhan ABurhan
- 2) Aishwarya Upare Aupare
- 3) Ajay Balkhande Ajay
- 4) Tejaswini chahare T.chahare
- 5) V.Shankarbhratalwar Vishal

Department of Electrical Engineering

*Forwarded to
Tnp department
for permission
letter*

HOD
HOD

Department of Electrical Engineering
Tulsiramji Gaikwad Patil College of
Engineering & Technology, Nagpur



Radharam Shaha<hod.ee@tgpcet.com>

Final result.

3 messages

HR CSTPS<hr@cstps.com>

Fri, Jan 5, 2016 at 6:36 PM

To: Radharaman Shaha<hod.ee@tgpcet.com>

Greetings authority,

We are glad to inform you that your application for request of internship has been accepted by the organization, and you have been selected for the Internship in our company.

This e-mail is regarding your internship application as on 1/0/2016. The recruitment team has expressed a positive response and confidence, and given list of candidates are one of the best candidates from the rest of all the applicants. Sessions and terms of internship have been discussed earlier as well.

As you know it may be a very bustling time, we advise you to be mentally and physically equipped, and of course, you can get along with our expectations. You will get compensation from the company for the internship period thereof as discussed.

Note: This offer holds valid for two weeks from today's date. If you are failing to join us in the expected period, this opportunity will be invalid and considered as oblivion and unoccupied.

The below said candidates shall have 5 weeks of internship.



MAHARASHTRA STATE POWER GENERATION COMPANY LIMITED
CHANDRAPUR SUPER THERMAL POWER STATION, CHANDRAPUR - 442 404

AN ISO 9001. 14001 & OHSAS 18001 UNIT

Certificate

INDUSTRIAL TRAINING COURSE

This is to certify that,

Mr. / Mrs. / Miss Aishwarya Upare

Student from Tulsiramji Gaikwad Patil College of Engineering
and Technology. of 6th *sem.*

Has successfully completed Industrial Training Course at
Chandrapur Super Thermal Power Station,
Chandrapur.

From 06/01/2016 *to* 29/01/2016

This certificate is issued to him / her for successfully completion
of Industrial Training with satisfactory performance.



Date : 29/01/2016
Place : CSTPS, CHANDRAPUR

CHIEF ENGINEER
CSTPS : CHANDRAPUR



MAHARASHTRA STATE POWER GENERATION COMPANY LIMITED
CHANDRAPUR SUPER THERMAL POWER STATION, CHANDRAPUR - 442 404

AN ISO 9001. 14001 & OHSAS 18001 UNIT

Certificate

INDUSTRIAL TRAINING COURSE

This is to certify that,

Mr. / Mrs. / Miss Tejaswini Chahare

*Student from Tulsiramji Gaikwad Patil College of Engineering
and Technology. of 6th sem.*

*Has successfully completed Industrial Training Course at
Chandrapur Super Thermal Power Station,*

Chandrapur.

From 06/01/2016 to 29/01/2016

*This certificate is issued to him / her for successfully completion
of Industrial Training with satisfactory performance.*



Date : 29/01/2016
Place : CSTPS, CHANDRAPUR

[Signature]
CHIEF ENGINEER
CSTPS : CHANDRAPUR



MAHARASHTRA STATE POWER GENERATION COMPANY LIMITED

CHANDRAPUR SUPER THERMAL POWER STATION, CHANDRAPUR - 442 404

AN ISO 9001. 14001 & OHSAS 18001 UNIT

Certificate

INDUSTRIAL TRAINING COURSE

This is to certify that,

Mr. / Mrs. / Miss Anal Burhan

Student from Tulsiramji Gaikwad Patil College of Engineering
and Technology. of 6th *sem.*

Has successfully completed Industrial Training Course at
Chandrapur Super Thermal Power Station,

Chandrapur.

From 06/01/2016 *to* 29/01/2016

This certificate is issued to him / her for successfully completion
of Industrial Training with satisfactory performance.



Date : 29/01/2016

Place : CSTPS, CHANDRAPUR

† CHIEF ENGINEER
CSTPS : CHANDRAPUR



MAHARASHTRA STATE POWER GENERATION COMPANY LIMITED

CHANDRAPUR SUPER THERMAL POWER STATION, CHANDRAPUR - 442 404

AN ISO 9001. 14001 & OHSAS 18001 UNIT

Certificate

INDUSTRIAL TRAINING COURSE

This is to certify that,

Mr. / Mrs. / Miss Vishal Shankarbhratalwar

*Student from Tulsiramji Gaikwad Patil College of Engineering
and Technology. of 6th sem.*

Has successfully completed Industrial Training Course at

Chandrapur Super Thermal Power Station,

Chandrapur.

From 06/01/2016 to 29/01/2016

*This certificate is issued to him / her for successfully completion
of Industrial Training with satisfactory performance.*



Date : 29/01/2016

Place : CSTPS, CHANDRAPUR

CHIEF ENGINEER
CSTPS : CHANDRAPUR



MAHARASHTRA STATE POWER GENERATION COMPANY LIMITED
CHANDRAPUR SUPER THERMAL POWER STATION, CHANDRAPUR - 442 404

AN ISO 9001. 14001 & OHSAS 18001 UNIT

Certificate

INDUSTRIAL TRAINING COURSE

This is to certify that,

Mr. / Mrs. / Miss Ajay Balkhande

Student from Tulsiramji Gaikwad Patil College of Engineering

and Technology. of 6th *sem.*

Has successfully completed Industrial Training Course at

Chandrapur Super Thermal Power Station,

Chandrapur.

From 06/01/2016 *to* 29/01/2016

*This certificate is issued to him / her for successfully completion
of Industrial Training with satisfactory performance.*



Date : 29/01/2016

Place : CSTPS, CHANDRAPUR

CHIEF ENGINEER
CSTPS : CHANDRAPUR



TULSIRAMJI GAIKWAD-PATIL
College of Engineering & Technology

Mohgaon, Wardha Road, Nagpur – 441 108

(Approved by AICTE, Recognised by Govt. of Maharashtra, Affiliated to RTM Nagpur University, Nagpur)

An IAO & ISO 9001:2008 Certified Institution

*This Industrial Case Study report is submitted to
Rashtrasant Tukdoji Maharaj Nagpur University
in partial fulfillment of the requirement
for the award of the degree*

of

Bachelor of Engineering in_Electrical_Engineering

By

1. Tejaswini Chahare
2. Aishwarya Upare
3. Vishal Shankarbhatlwar
4. Anal Burhan
5. Ajay Balkhande



ELECTRICAL ENGINEERING DEPARTMENT

SESSION 2015-16

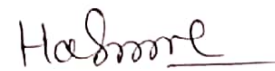
CERTIFICATE OF APPROVAL

This is to certify that the Industrial Case Study entitled CSTPS carried out by the students of Electrical Engineering, during the academic year 2015-2016, in partial fulfillment of the requirement for the award of the degree of **Bachelor of Engineering in Electrical Engineering** offered by the **Rashtrasant Tukdoji Maharaj Nagpur University**.

1. Tejaswini Chahare
2. Aishwarya Upare
3. Vishal Shankarbhatlwar
4. Anal Burhan
5. Ajay Balkhande

Date: 29/1/2018

Place: Nagpur



Hod, EE
HOD

Department of Electrical Engineering
Tulsiramji Gaikwad P.E. College of
Engineering & Technology, Nagpur

DECLARATION

I/We certify that,

- a. The work contained in this Industrial Case Study has been done by me under the guidance of my supervisors.
- b. The work has not been submitted to any other Institute for any degree or diploma.
- c. I/We have followed the guidelines provided by the Institute in preparing the Industrial Case Study report.
- d. I/We have conformed to the norms and guidelines given in the Ethical Code of Conduct of the Institute.
- e. Whenever I/We have used materials (data, theoretical analysis, figures, and text) from other sources, I/We have given due credit to them by citing them in the text of the report and giving their details in the references. Further, I/We have taken permission from the copyright owners of the sources, whenever necessary.

- 1. Tejaswini Chahare
- 2. Aishwarya Upare
- 3. Vishal Shankarbhatlwar
- 4. Anal Burhan
- 5. Ajay Balkhande

CONTENTS

Declaration

Acknowledgement

Executive Summary

Overview of Organization

Plan of your Internship

SWOT Analysis

Conclusion

Recommendation

Acknowledgment

I first and foremost thank the almighty for having bestowed his blessings on me to complete the project.

I am indebted to our beloved Principal Dr. Prabha Nair, Tulsiramji Gaikwad Patil College of Engineering & Technology for his support and encouragement.

I take this opportunity to thank Prof. Radharaman Shaha, HoD of Department of Electrical Engineering, Tulsiramji Gaikwad Patil College of Engineering & Technology for his support and encouragement.

Also I wish to thank Assistant Manager of HR for providing me an opportunity to undertake my summer training in their esteemed organization.

I like to express my gratitude to all the faculty members of Department of Electrical Engineering, Tulsiramji Gaikwad Patil College of Engineering & Technology for his support and encouragement.

My special thanks to my parents, Friends and well wishers for their moral support throughout the training period.

ABSTRACT

Chandrapur Super Thermal Power Station (CSTPS) is one of the coal based power plants of MAHAGENCO situated in the Chandrapur District of Maharashtra. The coal for the power plant is sourced from Durgapur and Padmapur Collieries of Western Coalfields Limited. The plant was officially inaugurated by the then Prime Minister Indira Gandhi on 8 October 1984. With the total capacity of 3340MW, the plant is largest power plant in the Maharashtra. It accounts to more than 25% of total Maharashtra needs. The plant gets water supply from Erai Dam .Mahagenco has the highest overall generation capacity and the highest thermal installed capacity amongst all the state power generation utilities in India. In terms of installed capacity, it is the second highest generation company after NTPC. Mahagenco having generation capacity of 11237 MW comprising 7980 MW thermal, 2585 MW hydel and 672 MW gas turbine was established by government of Maharashtra under the central electricity act-2003 with the principal objective of engaging in the business of generation of electricity, & mahagenco produces cheapest power for consumers in state. It is committed to expanding the generation capacity to meet the ever-growing power supply need of maharashtra. The company is implementing a huge capacity addition programme. It generates power for more than 1,50,00,000 end consumers in Maharashtra at economical and affordable rates. It believes in quality management. All major thermal, hydel and gas turbine power stations have adopted the ISO 9001:2000 certification. It is an eco-friendly power generating company and has received certification under ISO:14001 and ISO:18001 for its major power stations at Chandrapur, Koradi, Khaperkheda, Nasik, Parli and at Koyna and Uran power stations also. Mahagenco has a gross fixed asset base of Rs. 28346 crores (March 2014) with an annual turn over of about Rs. 16538 crores (March 2014).It is powered by a dedicated and committed highly skilled work force of more than 15000.

2. INTRODUCTION

With the total capacity of 3340MW, the plant is largest power plant in the Maharashtra. It accounts to more than 25% of total Maharashtra needs. The plant gets water supply from Erai Dam when in normal conditions. In the summer of 2010 due to less water in Erai, the plant also got water supply from Chargaon Dam. A thermal power station is a power station in which heat energy is converted to electric power. In most of the places in the world The turbine is steamdriven. Water is heated, turns into steam and spins a steam turbine which drives an electrical generator. After it passes through the turbine, the steam is condensed in a condenser and recycled to where it was heated; this is known as a Rankine cycle. The greatest variation in the design of thermal power stations is due to the different heat sources fossil fuel dominates here, although nuclear heat energy and solar heat energy are also used. Some prefer to use the term energy center because such facilities convert forms Of heat energy into electrical energy. Certain thermal power stations also are designed to produce heat energy for industrial purposes, or district heating, Or desalination of water, in addition to generating electrical power. The thermal power plant has serious impact on land, soil ,and various social impact the thermal power plant are also said to emit large amount of mercury and generate large amount of water. Due to these problem they required which is not done judiciously in our country

EQUIPMENT'S REQUIRED IN CSTPS

There are different equipment's required for running CSTPS they are :-

1. COAL HANDLING PLANT (CHP)
2. WATER TREATMENT PLANT (WTP)
3. BOILER
4. TURBINE
5. CONDENSOR
6. GENERATOR
7. ASH HANDLING PLANT (AHP)
8. COOLING TOWER
9. CONTROL ROOM
10. SWITCH YARD

ADVANTAGES AND DISADVANTAGES OF THERMAL POWER STATIONS:

ADVANTAGES:

1. Economical for low initial cost other than any generating plant.
2. Land required less than hydro power plant.
3. Since coal is main fuel and its cost is quite cheap than petrol or diesel so generation cost is economical.
4. These are having easier maintenance.
5. Thermal power plant can be installed in any location where transportation and bulk of water are available.

DISADVANTAGES:

1. The running cost for a thermal power station is comparatively high due to fuel maintenance etc.
2. Large amount of smoke causes air pollution. The thermal power station is responsible for global warming.
3. Overall efficiency of thermal power plant is low like 30%.

Conclusion

The first thing we learnt that steam can be incredibly dangerous (for the reasons outlined in the box up above): it contains a huge amount of energy that will burn you very badly if you touch it. So do be very careful if you're doing experiments with steam turbines and steam engines. However, for exactly the same reason, steam is incredibly useful: if we harness the energy it contains, we can do extraordinary things—like driving ships and locomotives or generating electricity. The Industrial Revolution that powered the world through the 18th and 19th centuries largely ran on the power of boiling water. That's an amazing thought!

A special thanks to all the member of Electrical Department of CSTPS, whose has provided us necessary guidance while summer training session.

Thank You


HOD
Department of Electrical Engineering
Gulabramji Gailwad Patil College of
Engineering & Technology, Nagpur



Tulsiramji Gaikwad-Patil College of Engineering and Technology

Wardha Road, Nagpur-441 108
NAAC Accredited

Department of Civil Engineering

Application for Internship Training

To

The HoD

Civil Engineering Department ,

T.G.P.C.E.T., Nagpur

Subject: Application for the issue the permission letter for Internship Training

Company Name: Pyramid Ashok Megastructures Pvt. Ltd.

Applicant Name: 1. Mrunalini Somkuwar

2. Bhagyashri Sangikar

3. Sumit Kotangale

4. Rashmi Atram

Respected Sir,

I am the students of 6th Semester Civil Engineering Department of Tulsiramji Gaikwad Patil College of Engineering & Technology Nagpur, request you to allow me to do internship. The duration of training is 30 days.

So kindly permit me as I have been thoroughly preparing industrial working culture under the guidance of experienced employee and gaining practical knowledge will develop my professional level with effectiveness.

Thanking You.

Forwarded to T & P Department for Permission

forwarded to T & P

HOD

H.O.D.

Department of Civil Engineering
T.G.P.C.E.T. Nagpur.
Department of Civil Engineering



Ref. No-/SIP/TGPCET/2019-20/ 01

Date: 20/05/2015

To,
Mr.,
Pyramid Ashok
Megastructure Pvt. Ltd.,
Nagpur.

Subject: Letter regarding Summer Internship Program in your organization.

Respected Sir,

Warm greetings from **GAIKWAD-PATIL GROUP OF INSTITUTIONS**

GAIKWAD-PATIL GROUP OF INSTITUTIONS is one of the most prestigious educational groups in Nagpur. Tulsiramji Gaikwad-Patil College of Engineering & Technology (TGPCET) offers a range of disciplines in Engineering & Technology and Management.

As a professional educational group involved in producing engineers, it is imperative for us that our students are industry relevant and ready and therefore we would like to request you to allow our following Student of **6th Semester Civil Engineering**, from **Tulsiramji Gaikwad-Patil College of Engineering & Technology, Nagpur** in your esteemed organization so that it will help us as well as to students to understand what an industry such as yours needs from a fresh engineering graduate. We are hoping to get our students work under your guidance. We will take the responsibility of Students Behavior and assure you that they will not break any regulations of your esteemed company.

1. Mrunalini Somkuwar

2. Bhagyashri Sangikar

3. Sumit Kotangale

4. Rashmi Atram

Regards

Head, T&P

GAIKWAD-PATIL GROUP OF INSTITUTIONS



H.O.D.
Department of Civil Engineering
T.G.P.C.E.T.Nagpur.

ABSTRACT

As per the university curriculum, internship case study on pyramid city. This was completed during 1 June 2015 to 30 June 2014. That training was helpful to built up some confidence and knowledge to work on site and handle the labors. Site engineer has explained the plan and how to implement it on actual site. There must be proper co-ordination between site engineer, labors and site supervisor. Site engineer must promote sprit for site internship. Case study helps to know the work takes place, which type of construction material, tools, equipment are used. These reports provide the information about construction of building it include all information, observation, drawing related with case study.

CONTENTS

<i>List of Tables</i>	<i>i</i>
<i>List of Figure</i>	<i>ii</i>
<i>Abstract</i>	<i>iii</i>
CHAPTER 1: INTRODUCTION	1-3
1.1 Project Details	2
1.2 Sequence of Work	3
CHAPTER 2: MATERIAL	4-8
2.1 Cement	5
2.2 Aggregate	5
2.3 Reinforcement	6
2.4 Cover Block	7
2.5 Scaffolding	8
2.6 Shuttering or Formwork	8
CHAPTER 3: CONSTRUCTION PROCESS	
3.1 Site Clearance	10
3.2 Levelling	10
3.3 Centre Line Marking	11
3.4 Excavation	11
3.5 PCC Work	12
3.6 Footing	13
3.7 Plinth Beam and Plinth Slab	14
3.8 Erection of Column	16
3.9 Brick Masonry	17
3.10 Erection of Doors and Window	18
3.11 Lintel and Chejja	18
3.12 Roofing	19
3.13 Staircase and lift	20
3.14 Concealing	20
3.15 Plastering	21
3.16 Flooring	21
CHAPTER 4: CONCLUSION	22-23
4.1 Conclusion	23

1.1 PROJECT DETAILS

OBJECTIVE OF STRUCTURE :

The main objective of construction was to provide flats construction with modern facility like 2BHK, 3BHK flats , parking, open terrace etc.

Duration of training: 1st June 2015 to 30th June 2015

Name of Consultant: 1) Mr. Tatawar 2) Mr. Kashyap

Name of Project: Residential Building (Flat System of Residential Building G+7)

Name of Architect: Mrs. Sneha Khobragade

Name of Contractor: Durga Construction

Name of Site Engineers: Er. Rahul Kapse

Location of Project: Pyramid City, Besa , Nagpur

Cost : 25 Crore

Constructed Area: 5 Acres

Sequence of work

The various stages through which the construction for the project was carried out are as follows:

- SITE CLEARANCE
- LEVELLING
- CENTRE LINE MARKING
- EXCAVATION
- PCC WORK
- FOOTING
- PLINTH BEAM AND SLAB
- ERECTION OF COLUMNS
- BRICK MASONRY
- ERECTION OF DOORS AND WINDOWS
- LINTEL AND CHEJJA
- ROOFING
- STAIRCASE AND LIFT
- CONCEALING
- PLASTERING
- FLOORING
- FINAL FINISHING

Conclusion

This five week training programmed in **Pyramid City III, V, VI Besa Nagpur** proved to be very beneficial. In this span of five week I tried to learn management skill, construction techniques, equipments etc. if I would have got more time, it could have been more beneficial to me.

From this training, there has been a substantial increase in my technical knowledge and I came to know about the construction of foundation, Column, Beam, Walls etc. in building work. Consequently confidence of working on field has boosted than earlier. The entire staff on the site guided me so well. So, I am very thankful to them for solving my difficulty despite of their busy schedule.

I am heartily thankful to the Mr. Tatawar & Mr. Kashyap of Pyramid City III, V, VI Besa, for giving me opportunity on the construction site.

STAIRCASE AND LIFT

- ❖ A stair is set of steps leading from one floor to another floor.
- ❖ It is provided to afford the means of ascent & descent between various floors of a building.
- ❖ The opening or space occupied by the stair is known as Stairway.
- ❖ Dog legged stair is provide at Entrance.

CONCEALING

- ❖ The wall is cut to the required depth using wall cutter or hammer and chisel.
- ❖ Sanitary and electrical pipes are then placed in position.
- ❖ Plastering of the wall is carried out.



Fig.13: Concealing