

# INVOICE

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**Billed To:**

The Director,  
E2 Infosystems Pvt.Ltd.  
Plot No.40,  
5th Avenue,  
Besant Nagar,  
Chennai- 600090

**Invoice Number:**

0111292017

**Date of Issue:**

29<sup>th</sup> November 2017

**PAN Number:**

AZRPP4123H

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**Description****Amount**

- Professional fees towards consultation service

₹ 59500

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**Thank You**

Hemant Puthran

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**Account Details:**

Hemant Puthran  
1280131000065  
Chennai Besant Nagar Branch[1280]

## ANNEXURE-I

### 1. Details of accounted days

- (a) **Duration:** *2<sup>nd</sup> November 2017 - 24<sup>th</sup> November 2017.*
- (b) **Total Working Days:** *17 days.*
- (c) **Personal Holidays:** *N.A*
- (d) **Company Holidays:** *N.A*
- (e) **Net Working Days**(2-3-4): *17 days.*

## ANNEXURE-II

### Task Log Report

**Project:** FPS - Demo

**Duration:** 99 Hrs.

Date	Task	Description	Hours
02/Nov/2017	Requirment Research	react within angular feasibility study. Technical accommoda-tions given your specific use case.	5
03/Nov/2017	Requirment Research	Prototype not completed. Bet-ter understanding of limitations. Suggestion redacted. Extra effort for proper integration into our ex-isting code	6
06/Nov/2017	Requirment Research	Prototype research. new consider-ations after discussion New high level designs proposed	4
07/Nov/2017	Requirment Research	Design 1 research and workflow breakdown. Time estimation sub-mitted	6
08/Nov/2017	Requirment Research	Design 2 research and workflow breakdown. estimate submitted	4
09/Nov/2017	Requirment Research	ARI documentation study	2
13/Nov/2017	Requirment Research	relevant php-ari, php-ami, socket libraries.	3
	Internal meeting	FPS preparation meeting regard-ing design.	2
14/Nov/2017	Internal meeting	clarifications from FPS. technol-ogy to be used and time estimate revised.	4
	Demo	websocket and client built on vanilla php.	4
15/Nov/2017	Requirment Research	based on demo compoenents cre-ated, performance and extensibil-ity very limited. new design for server ie. event driven has to be used technology to be used and time estimate revised.	5
16/Nov/2017	Demo	Event Driven PHP library study. ReactPHP and Amp shortlisted. Documentation study and indi-vidual components to be built to test feasability	5
17/Nov/2017	Demo	Async PHP library ReactPHP se-lected due to <7 and library avail-ability. Documentation study and http requests will be first compo-nents built	8

<b>Date</b>	<b>Task</b>	<b>Description</b>	<b>Hours</b>
20/Nov/2017	Demo	Aysnc Requests , web server and php websocket server using ReactPHP completed. Websocket client and connection to asterix ari next	8
21/Nov/2017	Demo	Php to asterisk ARI websocket connection complete. Major server components complete. To begin async logging	6
22/Nov/2017	Demo	async loggingg research done. various demethods avaliable. understanding of async mechanism incomplete	4
23/Nov/2017	Demo	possible issue of buffer overloading during async operations resulting in thread block. Limited documentation and material available.	3
24/Nov/2017	Demo	study of pthreads and child process forking. unable to gauge suitability in present project. however important components for async	8