

# Revamp of High Energy Physics Laboratory's Computer Systems: Milestone 5

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Eric Pereira  
Ryan Wojtyla

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# Contents

<b>1</b>	<b>High Energy Physics (HEP) Senior Design</b>	<b>1</b>
<b>2</b>	<b>Faculty Sponsor</b>	<b>1</b>
<b>3</b>	<b>Client</b>	<b>1</b>
<b>4</b>	<b>Meeting with Faculty Sponsor</b>	<b>1</b>
<b>5</b>	<b>Meeting with Client</b>	<b>1</b>
<b>6</b>	<b>Progress of current Milestone</b>	<b>2</b>
<b>7</b>	<b>Discussion - Current Milestone</b>	<b>2</b>
7.1	Existing MTS Progress . . . . .	2
7.2	Development MTS Computer Progress . . . . .	2
7.3	Computing Cluster . . . . .	2
7.4	GEM Machines . . . . .	2
<b>8</b>	<b>Parts Worked On</b>	<b>2</b>
8.1	Josef Bostik . . . . .	2
8.2	Eric Pereira . . . . .	2
8.3	Ryan Wojtyla . . . . .	3
<b>9</b>	<b>Task Matrix - Next Milestone</b>	<b>3</b>
<b>10</b>	<b>Discussion - Next Milestone</b>	<b>3</b>
10.1	Existing MTS . . . . .	3
10.2	Development MTS Computer . . . . .	3
10.3	Computing Cluster . . . . .	3
10.4	GEM Machines . . . . .	3
<b>11</b>	<b>Sponsor Feedback</b>	<b>4</b>
11.1	Existing MTS . . . . .	4
11.2	Development MTS Machine . . . . .	4
11.3	Computing Cluster . . . . .	4
11.4	GEM Computers . . . . .	4
11.5	Sponsor Signature . . . . .	5



## **1 High Energy Physics (HEP) Senior Design**

- Josef Bostik - jbstik2015@my.fit.edu
- Eric Pereira - epereira2015@my.fit.edu
- Ryan Wojtyla - rwojtyla2015@my.fit.edu

## **2 Faculty Sponsor**

Eraldo Ribeiro - eribeiro@fit.edu

## **3 Client**

Marcus Hohlmann - hohlmann@fit.edu  
Head of the Florida Institute of Technology HEP group

## **4 Meeting with Faculty Sponsor**

- 18 March 2019

## **5 Meeting with Client**

- 11 February 2019
- 18 February 2019
- 25 February 2019
- 11 March 2019

## 6 Progress of current Milestone

Task	Eric	Josef	Ryan
Continue to Care for Existing MTS	60%	20%	20%
Compile Instructions for MTS Operation	20%	40%	40%
Prepare Development MTS Machine	20%	50%	30%
Integrate Nodes into Cluster	10%	10%	80%
Assist Researchers	70%	10%	20%

## 7 Discussion - Current Milestone

### 7.1 Existing MTS Progress

### 7.2 Development MTS Computer Progress

### 7.3 Computing Cluster

### 7.4 GEM Machines

## 8 Parts Worked On

### 8.1 Josef Bostik

- 

### 8.2 Eric Pereira

-

### 8.3 Ryan Wojtyla

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## 9 Task Matrix - Next Milestone

## 10 Discussion - Next Milestone

### 10.1 Existing MTS

### 10.2 Development MTS Computer

### 10.3 Computing Cluster

### 10.4 GEM Machines

## 11 Sponsor Feedback

### 11.1 Existing MTS

### 11.2 Development MTS Machine

### 11.3 Computing Cluster

### 11.4 GEM Computers

## 11.5 Sponsor Signature

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Sponsor Signature

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Date

## 12 Sponsor Evaluation

Josef Bostik	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Eric Pereira	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Ryan Wojtyla	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10