

**DISSERTATION COMMITTEE ASSESSMENT OF PhD (OE) GRADUATE STUDENT****SUMMARY OF THE ASSESSMENT****Year: 2011-12****Number of students evaluated = 2****Evaluation Scale**

Scale: 0 ..... 5 ..... 10  
Poor                      Satisfactory              Excellent

**AVERAGE SCORES (OF THE TWO CANDIDATES EVALUATED)**

<b>Outcome</b>	<b>Average Score</b>
1. Student's knowledge of engineering and science subjects at advanced level.	8.4 (ie., above satisfactory)
2. Student's ability to independently carry out original and independent research in an engineering or applied science field.	8.75 (ie., above satisfactory)
3. Student's ability to effectively communicate topics and research in engineering and science.	8.6 (ie., above satisfactory)

## OUTCOMES ASSESSMENT OF PhD CANDIDATE

To be completed by all the members of the dissertation committee after the dissertation defense. Return the completed forms to Ms. Denise Haberly, Graduate Coordinator (dhaberly@fau.edu)

## SEMESTER OF THESIS DEFENSE AND GRADUATION: FALL 2011

**Name of the Student:** Binu Pundir

**Advisor (Chair of Dissertation Committee):** Dr. Manhar Dhanak ✓

**Other Committee Members:**

(1) Dr. Stewart Glegg	✓
(2) Dr. Karl von Ellenrieder	✓
(3) Dr. Rick Driscoll	
(4) Dr. P. Ananthakrishnan	✓

**Title of the Dissertation:** *Surface pressure fluctuations due to an impinging under-expanded supersonic jet*

**Evaluator (Thesis Committee Member) Name:** P. Ananthakrishnan

**Evaluator:** Based on the student's dissertation research, presentation and defense, please evaluate the three outcomes listed in the table below, on a scale of 0 to 10 with 0 meaning poor, 5 satisfactory and 10 excellent.

Scale: 0 .....	5 .....	10
Poor	Satisfactory	Excellent

	Outcome	Score (on above scale of 0 to 10)
1	Student's knowledge of engineering and science subjects at advanced (PhD) level.	9
2	Student's ability to independently carry out original and independent research in an engineering or applied science field.	9
3	Student's ability to effectively communicate topics and research in engineering and science	9

Use this space to provide other **general (not on thesis specifics)** comments and suggestions for any improvement of above and related outcomes: (Use additional pages if necessary)

This is a well-researched and –written dissertation. What is most commendable about the effort is that the candidate showed a thorough understanding of an advanced topic that is not really covered in any of the courses in the curriculum which demonstrates her ability to carry out original and independent research. With regard to presentation, the candidate may want to improve her skills to condense the presentation which is especially important for presentations at technical meetings where the allowed time will be very limited.

**OUTCOMES ASSESSMENT OF PhD CANDIDATE**

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**SEMESTER OF THESIS DEFENSE AND GRADUATION: FALL 2011**

**Name of the Student:** Binu Pundir

**Advisor (Chair of Dissertation Committee):** Dr. Manhar Dhanak

**Other Committee Members:**

(1) Dr. Stewart Glegg
(2) Dr. Karl von Ellenrieder
(3) Dr. Rick Driscoll
(4) Dr. P. Ananthakrishnan

**Title of the Dissertation:** *Surface pressure fluctuations due to an impinging under-expanded supersonic jet*

**Evaluator (Thesis Committee Member) Name:** ...Karl von Ellenrieder.....

Evaluator: Based on the student's dissertation research, presentation and defense, please evaluate the three outcomes listed in the table below, on a scale of 0 to 10 with 0 meaning poor, 5 satisfactory and 10 excellent.

Scale: 0 .....	5 .....	10
Poor	Satisfactory	Excellent

	Outcome	Score (on above scale of 0 to 10)
<b>1</b>	Student's knowledge of engineering and science subjects at advanced (PhD) level.	8
<b>2</b>	Student's ability to independently carry out original and independent research in an engineering or applied science field.	8
<b>3</b>	Student's ability to effectively communicate topics and research in engineering and science	8

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**SEMESTER OF THESIS DEFENSE AND GRADUATION: FALL 2011****Name of the Student:** Binu Pundir**Advisor (Chair of Dissertation Committee):** Dr. Manhar Dhanak**Other Committee Members:**

- (1) Dr. Stewart Glegg
- (2) Dr. Karl von Ellenrieder
- (3) Dr. Rick Driscoll
- (4) Dr. P. Ananthakrishnan

**Title of the Dissertation:** *Surface pressure fluctuations due to an impinging under-expanded supersonic jet***Evaluator (Thesis Committee Member) Name:** *Manhar Dhanak*

Evaluator: Based on the student's dissertation research, presentation and defense, please evaluate the three outcomes listed in the table below, on a scale of 0 to 10 with 0 meaning poor, 5 satisfactory and 10 excellent.

Scale: 0 ..... 5 ..... 10  
Poor                      Satisfactory              Excellent

	<b>Outcome</b>	<b>Score (on above scale of 0 to 10)</b>
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**SEMESTER OF THESIS DEFENSE AND GRADUATION: FALL 2011**

**Name of the Student:** Binu Pundir

**Advisor (Chair of Dissertation Committee):** Dr. Manhar Dhanak

**Other Committee Members:**

- (1) Dr. Stewart Glegg
- (2) Dr. Karl von Ellenrieder
- (3) Dr. Rick Driscoll
- (4) Dr. P. Ananthakrishnan

**Title of the Dissertation:** *Surface pressure fluctuations due to an impinging under-expanded supersonic jet*

**Evaluator (Thesis Committee Member) Name:** ...Binu Pundir.....

Evaluator: Based on the student's dissertation research, presentation and defense, please evaluate the three outcomes listed in the table below, on a scale of 0 to 10 with 0 meaning poor, 5 satisfactory and 10 excellent.

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	Outcome	Score (on above scale of 0 to 10)
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**SEMESTER OF THESIS DEFENSE AND GRADUATION:** Spring 2012

**Name of the Student:** **Fnu Lakitosh**

**Advisor (Chair of Dissertation Committee):** Dr. P. Ananthakrishnan

**Other Committee Members:**

- (1) Dr. Manhar Dhanak
- (2) Dr. Hassan Mahfuz
- (3) Dr. Presuel-Moreno

**Title of the Dissertation:** Analysis of Ship Hull and Plate Vibrations Caused by Wave Forces

**Evaluator (Thesis Committee Member) Name:** <Enter name of reviewer (Hassan Mahfuz)>

**Evaluator:** Based on the student's dissertation research, presentation and defense, please evaluate the three outcomes listed in the table below, on a scale of 0 to 10 with 0 meaning poor, 5 satisfactory and 10 excellent.

Scale: 0 .....	.....5 .....	.....10
Poor	Satisfactory	Excellent

	Outcome	Score (on above scale of 0 to 10)
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2	Student's ability to independently carry out original and independent research in an engineering or applied science field.	<9>
3	Student's ability to effectively communicate topics and research in engineering and science	<9>

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<The student made a very good presentation and showed good command over the theoretical and numerical work carried out in the thesis. He showed a pathway to analyze ship hulls under realistic and complex wave forces that was not performed before>

**OUTCOMES ASSESSMENT OF PhD CANDIDATE**

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**SEMESTER OF THESIS DEFENSE AND GRADUATION:** Spring 2012

**Name of the Student:** Fnu Lakinosh

**Advisor (Chair of Dissertation Committee):** Dr. Ananthakrishnan

**Other Committee Members:**

- (1) Dr. Dhanak
- (2) Dr. Mahfuz
- (3) Dr. Presuel-Moreno
- (4)

**Title of the Dissertation:** Analysis of Ship Hull and Plate Vibrations Caused by Wave Forces

**Evaluator (Thesis Committee Member) Name:** Manhar Dhanak

Evaluator: Based on the student's dissertation research, presentation and defense, please evaluate the three outcomes listed in the table below, on a scale of 0 to 10 with 0 meaning poor, 5 satisfactory and 10 excellent.

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**SEMESTER OF THESIS DEFENSE AND GRADUATION:** Spring 2012

**Name of the Student:** Fnu Lakitosh

**Advisor (Chair of Dissertation Committee):** Dr. Ananthakrishnan

**Other Committee Members:**

- (1) Dr. Dhanak
- (2) Dr. Mahfuz
- (3) Dr. Presuel-Moreno
- (4)

**Title of the Dissertation:** Analysis of Ship Hull and Plate Vibrations Caused by Wave Forces

**Evaluator (Thesis Committee Member) Name:** Dr. Presuel-Moreno

Evaluator: Based on the student's dissertation research, presentation and defense, please evaluate the three outcomes listed in the table below, on a scale of 0 to 10 with 0 meaning poor, 5 satisfactory and 10 excellent.

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**SEMESTER OF THESIS DEFENSE AND GRADUATION: Spring 2012**

**Name of the Student:** Fnu Lakitosh

**Advisor (Chair of Dissertation Committee):** Dr. P. Ananthakrishnan

**Other Committee Members:**

- (1) Dr. Manhar Dhanak
- (2) Dr. Hassan Mahfuz
- (3) Dr. Presuel-Moreno

**Title of the Dissertation:** Analysis of Ship Hull and Plate Vibrations Caused by Wave Forces

**Evaluator (Thesis Committee Member) Name:** Dr. P. Ananthakrishnan

Evaluator: Based on the student's dissertation research, presentation and defense, please evaluate the three outcomes listed in the table below, on a scale of 0 to 10 with 0 meaning poor, 5 satisfactory and 10 excellent.

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Lakitosh may work on improving his written and communication skills.