Office of Academic Affairs

Office of Engagement

Assessment Results

July 2016 - June 2017

Sean Ryan, Director – IPFW Office of Engagement

Jean Eisaman, Project Manager – IPFW Office of Engagement

July 2017

Summary of Assessments Submitted During Reporting Period

Assessment	Date		Change in Projects *	
	Jun 2017	Jun 2016	No.	%
Client Assessment (TAA)**	40	30	10	25%
Client Assessment for Student Projects	18	11	7	39%
Faculty Assessment	154	123	31	20%
Student Assessment	3	3	0	0%

Cumulative Number of Reporting Surveys (excluding TAP)
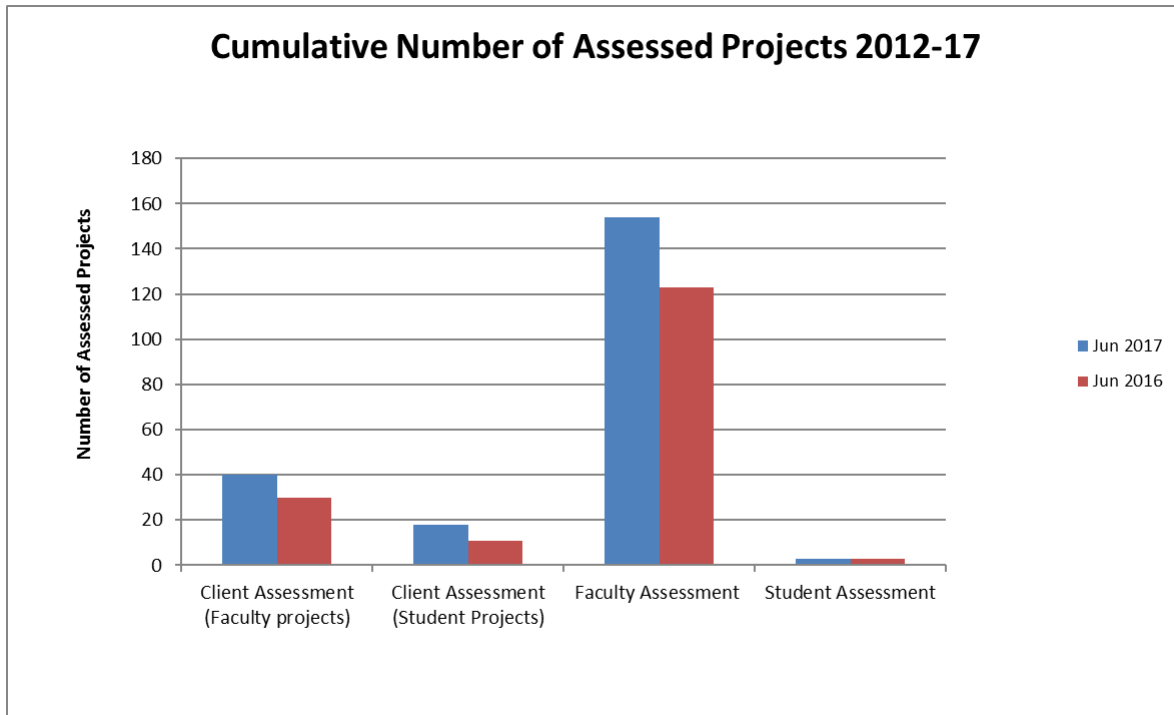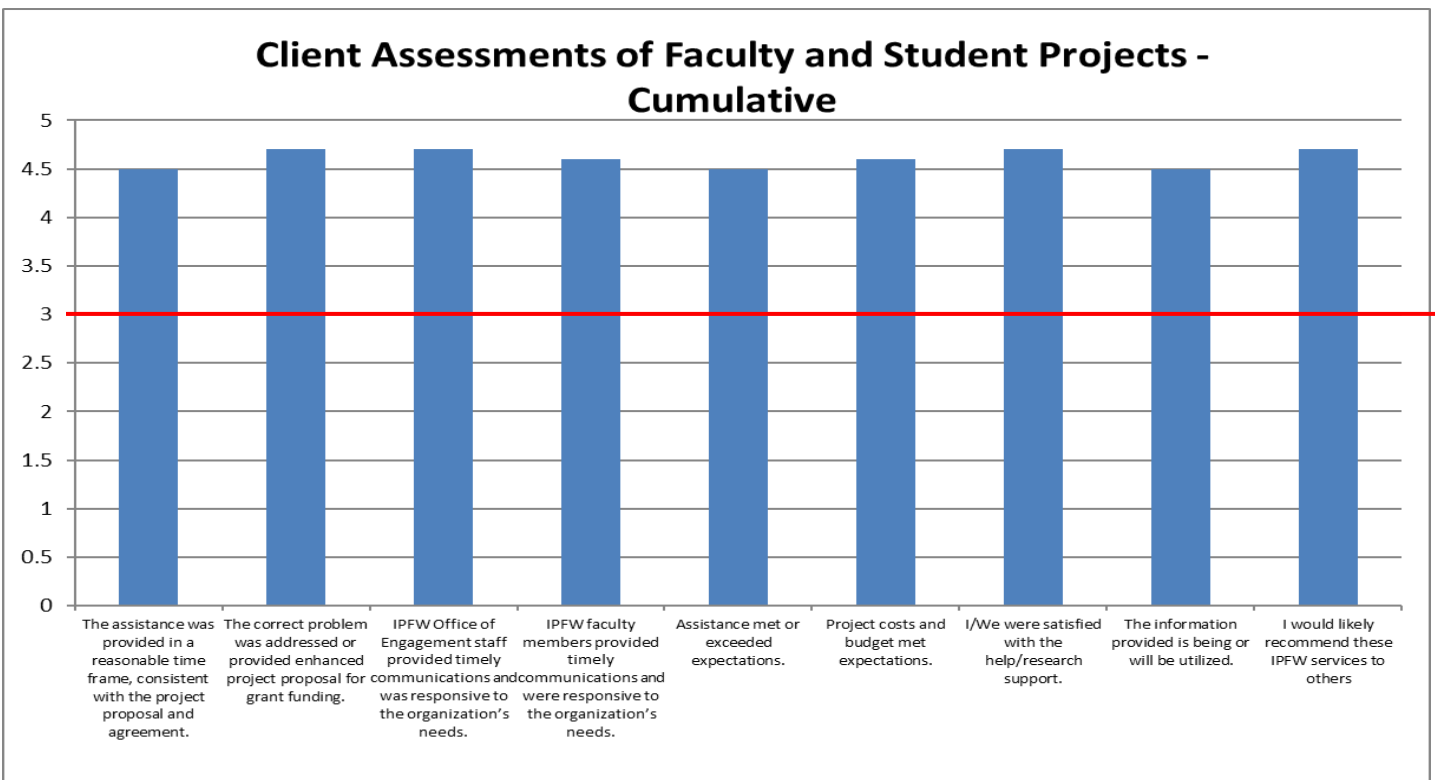

Clients Responding to Faculty Assistance Project Surveys (New - excluding TAP)

NOTE: To improve response rate, information about the clients who have responded is voluntary. Beginning with the most recent assessment period, information about the company who responded may not be available. Thirteen responses by clients to surveys for non-TAP faculty and student projects during the period, which is a significant increase over previous periods. The graph for the client assessment of faculty assessment projects (below) remains the same as in the previous report.

Client Survey Responses for Faculty Assistance (excluding TAP) and Student Projects

Questions	2016-17 Responses	2016-17 Score	Cumulative Responses	Overall Score
1) The assistance was provided in a reasonable time frame, consistent with the project proposal and agreement.	17	4.5	44	4.5
2) The correct problem was addressed or provided enhanced project proposal for grant funding.	20	4.8	44	4.7
3) IPFW Office of Engagement staff provided timely communications and was responsive to the organization's needs.	17	4.4	41	4.7
4) IPFW faculty members provided timely communications and were responsive to the organization's needs.	17	4.6	43	4.6
5) Assistance met or exceeded expectations.	17	4.5	44	4.5
6) Project costs and budget met expectations.	17	4.5	44	4.6
7) I/We were satisfied with the help/research support.	17	4.6	44	4.7
8) The information provided is being or will be utilized.	17	4.3	44	4.5
9) I would likely recommend these IPFW services to others	17	4.7	43	4.7

Client Assessments of Faculty and Student Projects - Cumulative

Clients Responding to Faculty & Student Project Surveys

Project Information		
Client Name	**Client Company**	**Project Title**
Gary Heal	Heartland Table Pad	Marketing and Communication Plan
Larry Kay	Fort Wayne Metals	SEM Analysis of Materials
John Sampson	Northeast Indiana Regional Partnership	General Research Services
Alan Tio	Northeast Indiana Regional Partnership	Business Development Research and News Monitoring
James Kinney	Indigital Telecom	RSIS Redundant IP Framework
Larry Kay	Fort Wayne Metals	In-Line Wire Coater
Les Gilbertson	L. Gilbertson Consulting	SEM Failure Analysis
	American Mitsuba	SEM Lab Warranty Claim Investigation
Alison Gudel	Trelleborg Sealing Solutions	Various SEM & EDS Analyses
Matt Williams	PHD, Inc.	Rotary Decelerator
Matt Williams	PHD, Inc.	Force Sensor for Grippers
Jum Baumgardner	General Motors	Electronic Dock Boards
Thomas Golden	Cornell University	ACCES VR Needs Assessment
Justin Freudenburger	Triton Metal Products	Test Tank
	Vocera Communications	Use of Bluetooth Smart for location in a hospital environment

Clients Responding to Purdue Technical Assistance (TAP) Project Surveys

Client Company	Tracking Number	Faculty Member	Project Title	Jobs added	Jobs retained	Increased Annual Sales ($)	Retained Annual Sales ($)	Cost Savings ($)	Increased investment ($)
	Project Information								
Metaldyne	14957	Momoh	One Line Diagram of Facility Electrical System for Power Factor Correction						
Modbar	16117	Chen/Dupen	Corrosion Assistance with Installed Equipment						
Bendix	16085	Blendell	Repurposing Waste Materials						
Lycro Products	16002	French	304SS Plate Machining						
Laketronics	16307	Sedlmeyer	IT System DFARS Gap Analysis						
Green Modular Systems	16014	French	Modular Home Transport Design Feedback						
Poseidon Barge	16579	Brunese	Development of Employee Training Procedure						

## Client Survey Responses for Purdue Technical Assistance (TAP) Project Surveys

Questions	Responses	Averages (1-10)
1) How likely is it that you would recommend the Technical Assistance Program to another company?	7	9.4
2) The assistance was provided in a reasonable time frame.	2	9.0
3) The information provided is being or will be utilized.	6	Yes

Comments on Technical Assistance and TAP Surveys

- TAP responses tabulated from Purdue TAP surveys based upon projects executed and client assessments received between July 2016 and June 2017.
- TAP project assessments recorded as a separate assessment program from the other engagement projects.
- Rating scale for TAP from 1 to 10, with 10 being the best. Rating scale for Faculty Assistance Projects (TAA's) from 1 to 5, with 5 being the best.
- Comments:
  - Modbar: Found a no-brainer problem. We were missing the obvious. Easy to work with.
  - Laketronics: It was very helpful to have an individual that has the expertise in the area of DFARS to help us with this project.
  - Green Modular Systems: I enjoyed the TAP program, it was helpful and a very good learning experience. My goal is to use this valuable resource many more times if that is possible.
  - Bendix: Although a feasable solution was not identified in the case of my project, I appreciated the thoughtful consideration to our problem provided by Purdue.

Faculty Survey Responses for Project Assistance (All)

	Questions	Responses	Averages (1-5)
1)	I feel that my/my students' efforts provided a needed service to the client or community.	31	4.9
2)	It is likely that I would perform a similar project for another company/organization or in a future class.	31	4.5
3)	The client was helpful in providing the required information in a timely manner.	30	4.6
4)	The client was prepared to work with you or with the students.	31	4.6
5)	The client's staff members were informed about the project and were helpful.	31	4.6
6)	IPFW Office of Engagement staff provided timely communications and was responsive.	31	4.9
7)	I gained experience that I could incorporate into teaching or lab assignments.	31	4.4
8)	I gained experience to help me prepare students to meet industry needs.	31	4.5
9)	I can develop a scholarly paper or presentation from this project.	30	2.9
10)	This project has supported achieving my professional development goals.	31	4.5
11)	The students gained experience that enhanced subject matter learning.	31	4.4
12)	The students gained experience to better meet industry needs.	31	4.5
13)	Overall, I would say that the project was successful.	31	4.8
14)	Funding was received to defray the cost of the project.	24	4.9

Faculty Assessment of Engagement Projects
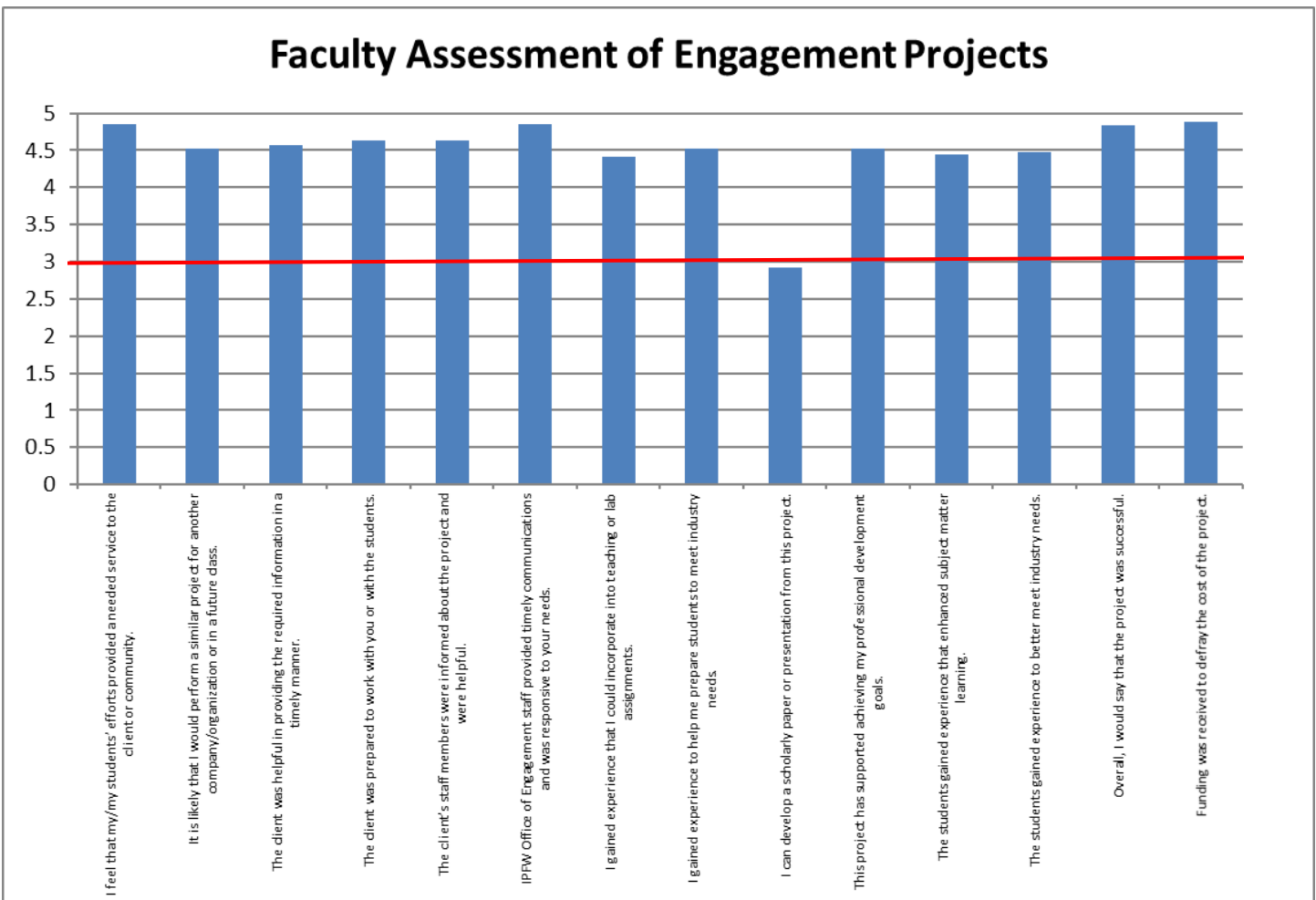
Student Survey Responses for Project Assistance

Questions	Responses	Averages (1-5)
1) I feel that my efforts provided a needed service to the client or community.	0	N/A
2) I would like to perform a similar project for another company/organization or in a future class.	0	N/A
3) The client was helpful in providing the required information in a timely manner.	0	N/A
4) The client's staff members were informed about the project and were helpful.	0	N/A
5) I gained experience that enhanced the class.	0	N/A
6) I feel better prepared to meet industry needs.	0	N/A
7) Overall I would say that the project was successful.	0	N/A

Comments on Faculty & Student Project Surveys

- Evaluation responses were high with the exception of whether scholarly papers could be developed from the work. This score is not surprising based upon the nature of the projects and is consistent with previous assessments.
- No student assessment surveys were completed during the period.
- No corrective actions required. No rankings were below 3, except for the question of "developing a scholarly paper or presentation on this project". Often with consulting projects with companies, the material is confidential and cannot be published without express consent of the faculty member and client contact. Other consulting projects are of a nature that they require application of knowledge rather than the discovery of new knowledge, thus not the type of result that lends itself to publication. This result is not unlike those received in the past.
- Rating scale is from 1 to 5, with 5 being the best.
- Faculty Survey Comments:
  - I actually taught the theory behind the project in my graduate course as I was doing it.
  - I gained more practical experience.
  - A real-world problem utilizing optimization is a great asset in teaching MA521 Optimization class.
  - One of my students is already employed to continue working on the project.
  - Students were quite impressed finding out that what they were taight has immediate application in an industry-related project.
  - Students practiced skills in test-driven development and software engineering principles.

Acknowledgements

- TAP client surveys managed with data provided by the Purdue Technical Assistance Program office in West Lafayette.
- Faculty and client survey data compiled for IPFW projects was extracted and provided to us by Kent Johnson, Director of the IPFW Office of Assessment.