

Administrative and Educational Support Report*

Department of Manufacturing Engineering

**Annual Action Plan
Annual Assessment Report**

June 2006 – May 2007

***Student Learning Outcomes for this department are available at
<http://ie.panam.edu/CoSELearningOutcomes.htm>**



Annual Action Plan: June 1, 2006–May 31, 2007

Unit: Department of Manufacturing Engineering

UTPA Mission: The University of Texas-Pan American (UTPA) serves the higher education needs of a rapidly growing, international, multicultural population in the South Texas Region. The University preserves, transmits and creates knowledge to serve the cultural, civic, and economic advancement of the region and the state. The University provides students advanced instruction in academic programs offered through innovative delivery systems that lead to professional certification, and baccalaureate, master’s and doctoral degrees. Through teaching, research, creative activity and public service, UTPA prepares students for lifelong learning and leadership roles in the state, nation and world community.

Division: Academic Affairs **Unit Head:** Dr. Doug Timmer

Unit Mission: The Manufacturing Engineering Department will provide students a quality education to prepare them for the practice of engineering, with sufficient depth to continue their education toward a Doctoral degree. The curriculum will provide skills that enhance the understanding of the applications of engineering sciences. The faculty will be readily accessible and will continually strive to improve their instructional materials and the methods of dissemination. The faculty will also practice life long learning by keeping abreast of and participating in the latest developments in their chosen areas of expertise and interacting across disciplines

UTPA Goal: Provide students with a quality educational experience that enables them to complete their educational goals in a timely fashion.

Academic Affairs Objective: Review and restructure all educational programs to ensure that students complete their educational goals in a timely fashion.

College/AVP Objective: Give students and design programs with more flexibility to meet core requirements, and reduce time to graduation.

Unit Objective	Strategy(ies) to Achieve Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	New Resources Needed in FY07
Maintain an ongoing self-assessment (student learning improvement program) process as	<ul style="list-style-type: none"> Appoint a “point” person to supervise and manage the process. 	Completed academic assessment cycle each year, including assessment pre-tests and survey.	<ul style="list-style-type: none"> 100% of the pre-test results are evaluated and documented by May 2007. 	None

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Unit Objective	Strategy(ies) to Achieve Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	New Resources Needed in FY07
required by ABET, the University and SACS standards. (1)	<ul style="list-style-type: none"> Assign a faculty member to administer specific tests. 		<ul style="list-style-type: none"> 80% or more of the May 2007 graduates will have completed the exit survey. 	
Prepare a revised BS Manufacturing Engineering degree plan. (2)	<ul style="list-style-type: none"> Set up a BS curriculum revision committee. Review curriculum from other Texas BS programs. 	<ul style="list-style-type: none"> Completion of report on other Texas BS Engineering programs. Submitted draft of the BS Manufacturing Engineering curriculum for faculty approval. Submitted revised draft of curriculum to the University Curriculum Committee. 	<ul style="list-style-type: none"> Report on other Texas BS Engineering programs submitted by Fall 2006. First draft of BS Manufacturing Engineering curriculum submitted to faculty by February 1, 2007. Revised draft of BS Manufacturing Engineering curriculum submitted by April 1, 2007. 	Faculty time only.
Provide more flexible scheduling of coursework. (3)	<ul style="list-style-type: none"> Offer more sections of classes. Develop flexible class schedules for working students. 	<ul style="list-style-type: none"> Increased number of sections of large classes. Offer online classes. 	<ul style="list-style-type: none"> Add one evening section of MANE3364 in spring 2007. Offer one course fully online in Spring 2007 	None

Annual Action Plan June 1, 2006–May 31, 2007

UTPA Goal: Provide students with a quality educational experience that enables them to complete their educational goals in a timely fashion.

Academic Affairs Objective: Create the academic infrastructure to improve student learning and success.

College/AVP Objective: Provide more flexible and coordinated scheduling of coursework.

Unit Objective	Strategy(ies) to Achieve Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	New Resources Needed in FY07
Ensure that all students receive effective advising to properly sequence courses. (4)	<ul style="list-style-type: none"> Improve departmental advising by keeping individual records of advising sessions. Continue annual ME student convocation 	<ul style="list-style-type: none"> Students attending advising. Students attending convocation. 	<ul style="list-style-type: none"> At least 80% attendance at pre-registration advising, as measured by individual advising records. At least 55% attendance at convocation, measured by meal tickets collected. 	None
Make scheduling more flexible for students. (5)	<ul style="list-style-type: none"> Offer more sections of classes. Develop flexible class schedules for working students. 	<ul style="list-style-type: none"> Increased number of sections of large classes. Offer online classes. 	<ul style="list-style-type: none"> Add one evening section of MANE3364 in spring 2007. Offer one course fully online in spring 2007. 	None

Annual Action Plan June 1, 2006–May 31, 2007

UTPA Goal: Provide students with a quality educational experience that enables them to complete their educational goals in a timely fashion.

Academic Affairs Objective: Establish a separate Learning and Teaching Excellence Center to improve instructional practices and promote student engagement in learning.

College/AVP Objective: Plan and develop new academic programs and centers of excellence.

Unit Objective	Strategy(ies) to Achieve Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	New Resources Needed in FY07
Implement the new graduate MS degree program in Engineering Management. (6)	Appoint a graduate program coordinator.	Courses in Engineering Management offered on AY2006-2007	Offer courses in Engineering Management in Fall 2006 and Spring 2007	None
Develop a new Ph.D. program in manufacturing engineering. (7)	<ul style="list-style-type: none"> Appoint “point person” to supervise and manage proposal writing. Hire a technical consultant to review and comment on the draft of the Ph.D. proposal. Work with dean, and AVPG Studies to ensure timely submission. 	Final submission of proposals to graduate council.	Revised proposal submitted no later than March 31, 2007.	None

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UTPA Goal: Provide students with a quality educational experience that enables them to complete their educational goals in a timely fashion.

Academic Affairs Objective: Assist students in defining their educational goals and support them in reaching those goals in a timely manner.

College/AVP Objective: Provide students with resources needed to succeed.

Unit Objective	Strategy(ies) to Achieve Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	New Resources Needed in FY07
Ensure that all students receive effective advising to properly sequence courses. (8)	<ul style="list-style-type: none"> Improve departmental advising by keeping individual records of advising sessions. Continue annual ME student convocation. 	<ul style="list-style-type: none"> Students attending advising. Students attending convocation. 	<ul style="list-style-type: none"> At least 80% attendance at pre-registration advising, as measured by individual advising records. At least 55% attendance at convocation, measured by meal tickets collected. 	None

UTPA Goal: Provide students with a quality educational experience that enables them to complete their educational goals in a timely fashion.

Academic Affairs Objective: Ensure that graduate programs are academically rigorous and research centered, promoting independent learning and preparing graduates to contribute successfully to their chosen professions.

College/AVP Objective: Infuse hands-on, field-base, and research experiences/opportunities into COSE curriculum.

Annual Action Plan June 1, 2006–May 31, 2007

Unit Objective	Strategy(ies) to Achieve Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	New Resources Needed in FY07
Increase proposal submissions. (9)	<ul style="list-style-type: none"> Ensure that faculty members have prompt notification of grant opportunities. Ask senior faculty to mentor or collaborate with junior faculty in grant writing. Adjust teaching assignments for research active faculty. 	An average of at least one major external proposal per tenured/tenure-track faculty should be submitted.	Over period 6/1/06-5/31/07, over three major (over \$50K) external proposals should be submitted.	None
Maintain student involvement in research. (10)	Provide assistantships for students.	At least five undergraduate and ten graduate students should be formally involved in research projects.	Department will identify names of at least five students in each category who had support doing research from 6/1/06 – 5/31/07.	None.

UTPA Goal: Become an outstanding research institution, emphasizing collaborative partnerships and entrepreneurship.

Academic Affairs Objective: Foster intramural and extramural collaborative research partnerships.

College/AVP Objective: Increase research collaborations among departments and other colleges and universities.

Unit Objective	Strategy(ies) to Achieve Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	New Resources Needed in FY07
Increase proposal	<ul style="list-style-type: none"> Ensure that faculty 	An average of at least one	Over period 6/1/06 –	None

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Unit Objective	Strategy(ies) to Achieve Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	New Resources Needed in FY07
submissions. (11)	<p>members have prompt notification of grant opportunities.</p> <ul style="list-style-type: none"> Ask senior faculty to mentor or collaborate with junior faculty in grant writing. Adjust teaching assignments for research active faculty. 	major external proposal per tenured/tenure-track faculty should be submitted.	5/31/07, over three major (over \$50K) external proposals should be submitted.	

UTPA Goal: Become an outstanding research institution, emphasizing collaborative partnerships and entrepreneurship.

Academic Affairs Objective: Establish a framework for external support of research and entrepreneurial activities.

College/AVP Objective: Increase funding for research through endowments, grants, contracts, and gifts.

Unit Objective	Strategy(ies) to Achieve Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	New Resources Needed in FY07
Increase proposal submissions. (12)	<ul style="list-style-type: none"> Ensure that faculty members have prompt notification of grant opportunities. Ask senior faculty to mentor or collaborate with junior faculty in grant writing. 	An average of at least one major external proposal per tenured/tenure-track faculty should be submitted.	Over period 6/1/06 – 5/31/07, over three major (over \$50K) external proposals should be submitted.	None

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Unit Objective	Strategy(ies) to Achieve Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	New Resources Needed in FY07
	<ul style="list-style-type: none"> Adjust teaching assignments for research active faculty. 			

UTPA Goal: Become an outstanding research institution, emphasizing collaborative partnerships and entrepreneurship.

Academic Affairs Objective: Enhance and capitalize on faculty research capabilities.

College/AVP Objective: Provide incentives to existing faculty for research.

Unit Objective	Strategy(ies) to Achieve Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	New Resources Needed in FY07
Ensure that tenure and merit documents recognize and reward research. (13)	Re-evaluate merit document to be consistent with the tenure document.	Revised merit document.	Submit revised merit document for approval by March 31, 2007.	None

UTPA Goal: Enhance UTPA's engagement with the community to meet challenges and maximize opportunities.

Academic Affairs Objective: Promote faculty and staff engagement in identifying and developing partnerships with external constituencies.

College/AVP Objective: Create partnerships with local businesses and organizations to serve needs of the community.

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Unit Objective	Strategy(ies) to Achieve Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	New Resources Needed in FY07
Increase number of industry based senior design projects. (14)	<ul style="list-style-type: none"> Contact local and EAC companies. Promote industry based projects to students. 	Industry supported or suggested design projects	At least two senior design projects from industry for 2006-2007 academic year, as reported by Senior Design Coordinator.	None

UTPA Goal: Enhance UTPA's engagement with the community to meet challenges and maximize opportunities.

Academic Affairs Objective: Provide resources necessary to accomplish, maintain, and/or develop outreach activities.

College/AVP Objective: Continue to participate in and promote community events.

Unit Objective	Strategy(ies) to Achieve Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	New Resources Needed in FY07
Encourage faculty attendance at outreach and recruitment events. (15)	<p>Appoint a "point person" who will assign faculty to specific events.</p> <p>Work with University Relations to identify opportunities.</p>	All faculty will attend an increased number of events, with emphasis on recruitment.	The faculty members will average at least one recruitment related event attended per semester.	None.
Maintain undergraduate student involvement in educational activities. (16)	Give extra credit for student participation.	At least ten students should participate in departmental educational activities like HESTEC and Math Counts competitions.	At least 80% of students participate in the programs.	None

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UTPA Goal: Infuse Inter-American and global perspectives throughout the University community.

Academic Affairs Objective: Increase and improve international activities on campus.

College/AVP Objective: Promote and enhance collaborations with universities and organizations with international emphasis.

Unit Objective	Strategy(ies) to Achieve Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	New Resources Needed in FY07
Increase number of ITESM exchange students in Manufacturing Engineering. (17)	<ul style="list-style-type: none"> Work with international programs office. Possibly offer special summer course for ITESM students. 	Students enrolled.	At least 5 ITESM student enrollments in manufacturing engineering courses during 2006-2007 academic year, as measured by Office of International Programs.	None, except support for summer course if viable

UTPA Goal: Infuse Inter-American and global perspectives throughout the University community.

Academic Affairs Objective: Increase the number of international students on campus.

College/AVP Objective: Recruit international students to College of Science and Engineering.

Unit Objective	Strategy(ies) to Achieve Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	New Resources Needed in FY07
Increase international enrollment in MS program. (18)	<ul style="list-style-type: none"> Leverage faculty contacts overseas. 	International students enrolled.	At least 4 international students enrolled in Spring 2007, 6 international	Assistantships with early decision dates.

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Unit Objective	Strategy(ies) to Achieve Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	New Resources Needed in FY07
	<ul style="list-style-type: none"> • Arrange more assistantships. • Get earlier decisions on admission and assistantships. 		students in Fall 2007, as reported by Office of Institutional Research & Effectiveness (OIRE).	
Increase number of ITESM exchange students in Manufacturing Engineering. (19)	<ul style="list-style-type: none"> • Work with international programs office. • Possibly offer special summer course for ITESM students. 	Students enrolled.	At least 5 ITESM student enrollments in manufacturing engineering courses during 2006-2007 academic year, as measured by Office of International Programs.	None, except support for summer course if viable

UTPA Goal:

Optimize institutional effectiveness and efficiency consistent with high quality organizational standards.

Academic Affairs Objective:

Define and implement standards and performance measures for business processes and stakeholders.

College/AVP Objective:

Streamline undergraduate and graduate admissions so they are more user-friendly to applicants.

Unit Objective	Strategy(ies) to Achieve Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	New Resources Needed in FY07
Improve graduate admissions process. (20)	Work with Graduate Office to identify and remove roadblocks and barriers to enrollment.	Students given admission	At least 5 new MS admissions for Spring 2007 and Fall 2007.	Assistance from Graduate Office.

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UTPA Goal: Optimize institutional effectiveness and efficiency consistent with high quality organizational standards.

Academic Affairs Objective: Provide infrastructure to maximize utilization of human intellectual capital.

College/AVP Objective: Prioritize space needs.

Unit Objective	Strategy(ies) to Achieve Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	New Resources Needed in FY07
Identify research space needs for new PhD in Manufacturing Engineering program. (21)	Work through CoSE Space Committee.	Square feet net increase in research space.	At least 1000 sq ft of space identified.	Space



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Division: Academic Affairs **Unit Head:** Dr. Doug Timmer

Unit Mission: The Manufacturing Engineering Department will provide students a quality education to prepare them for the practice of engineering, with sufficient depth to continue their education toward a Doctoral degree. The curriculum will provide skills that enhance the understanding of the applications of engineering sciences. The faculty will be readily accessible and will continually strive to improve their instructional materials and the methods of dissemination. The faculty will also practice life long learning by keeping abreast of and participating in the latest developments in their chosen areas of expertise and interacting across disciplines

UTPA Goal: Provide students with a quality educational experience that enables them to complete their educational goals in a timely fashion.

Academic Affairs Objective: Review and restructure all educational programs to ensure that students complete their educational goals in a timely fashion.

College/AVP Objective: Give students and design programs with more flexibility to meet core requirements, and reduce time to graduation.

Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	Assessment Results (Use actual data to describe annual performance)	Use of Results (What change was made?)
Maintain an ongoing self-assessment (student learning improvement)	Completed academic assessment cycle each year, including assessment	<ul style="list-style-type: none"> 100% of the pre-test results are evaluated and documented by May 	All pretest results were evaluated in Fall 2006.	New instructional techniques were introduced to Engineering Statistics,

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Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	Assessment Results (Use actual data to describe annual performance)	Use of Results (What change was made?)
program) process as required by ABET, the University and SACS standards. (1)	pre-tests and survey.	2007. <ul style="list-style-type: none"> 80% or more of the May 2007 graduates will have completed the exit survey. 	Spring 2007 only 56% completed exit surveys.	Fundamentals of Industrial Engineering was changed from a sophomore to a junior level course Schedule graduating senior celebration luncheon/exit survey earlier in semester.
Prepare a revised BS Manufacturing Engineering degree plan. (2)	<ul style="list-style-type: none"> Completion of report on other Texas BS Engineering programs. Submitted draft of the BS Manufacturing Engineering curriculum for faculty approval. Submitted revised draft of curriculum to the University Curriculum Committee. 	<ul style="list-style-type: none"> Report on other Texas BS Engineering programs submitted by Fall 2006. First draft of BS Manufacturing Engineering curriculum submitted to faculty by February 1, 2007. Revised draft of BS Manufacturing Engineering curriculum submitted by April 1, 2007. 	Revised BS Manufacturing Engineering degree plan was approved Spring 2007	New program has been implemented.
Provide more flexible scheduling of coursework. (3)	<ul style="list-style-type: none"> Increased number of sections of large classes. Offer online classes. 	<ul style="list-style-type: none"> Add one evening section of MANE3364 in spring 2007. Offer one course fully online in Spring 2007 	No evening section of MANE 3364 was added. MANE 6315 was offered as a fully online course	Developed teaching online boot camp with CLTT and scheduled 3 online courses for AY 2007-2008.

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UTPA Goal: Provide students with a quality educational experience that enables them to complete their educational goals in a timely fashion.

Academic Affairs Objective: Create the academic infrastructure to improve student learning and success.

College/AVP Objective: Provide more flexible and coordinated scheduling of coursework.

Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	Assessment Results (Use actual data to describe annual performance)	Use of Results (What change was made?)
Ensure that all students receive effective advising to properly sequence courses. (4)	<ul style="list-style-type: none"> Students attending advising. Students attending convocation. 	<ul style="list-style-type: none"> At least 80% attendance at pre-registration advising, as measured by individual advising records. At least 55% attendance at convocation, measured by meal tickets collected. 	All non-freshmen Manufacturing Engineering students must be advised by faculty to receive RAC.	Department will continue mandatory advising for students. Convocations will be discontinued.
Make scheduling more flexible for students. (5)	<ul style="list-style-type: none"> Increased number of sections of large classes. Offer online classes. 	<ul style="list-style-type: none"> Add one evening section of MANE3364 in spring 2007. Offer one course fully online in spring 2007. 	<p>No evening section of MANE 3364 was added.</p> <p>MANE 6315 was offered as a fully online course</p>	Developed teaching online boot camp with CLTT and scheduled 3 online courses for AY 2007-2008.

UTPA Goal: Provide students with a quality educational experience that enables them to complete their educational goals in a timely fashion.

Academic Affairs Objective: Establish a separate Learning and Teaching Excellence Center to improve instructional practices and promote student engagement in learning.

Annual Assessment Report June 1, 2006–May 31, 2007

College/AVP Objective:

Plan and develop new academic programs and centers of excellence.

Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	Assessment Results (Use actual data to describe annual performance)	Use of Results (What change was made?)
Implement the new graduate MS degree program in Engineering Management. (6)	Courses in Engineering Management offered on AY2006-2007	Offer courses in Engineering Management in Fall 2006 and Spring 2007	Program started in January 2007. First graduate in May 2007.	Program has started
Develop a new Ph.D. program in manufacturing engineering. (7)	Final submission of proposals to graduate council.	Revised proposal submitted no later than March 31, 2007.	Deadline not met	PhD proposal is currently under review by the graduate council.

UTPA Goal:

Provide students with a quality educational experience that enables them to complete their educational goals in a timely fashion.

Academic Affairs Objective:

Assist students in defining their educational goals and support them in reaching those goals in a timely manner.

College/AVP Objective:

Provide students with resources needed to succeed.

Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	Assessment Results (Use actual data to describe annual performance)	Use of Results (What change was made?)
Ensure that all students receive effective advising to properly sequence courses. (8)	<ul style="list-style-type: none"> Students attending advising. Students attending convocation. 	<ul style="list-style-type: none"> At least 80% attendance at pre-registration advising, as measured by individual advising records. At least 55% attendance at convocation, measured by meal tickets 	All non-freshmen Manufacturing Engineering students must be advised by faculty to receive RAC	Department will continue mandatory advising for students. Convocations will be discontinued.

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Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	Assessment Results (Use actual data to describe annual performance)	Use of Results (What change was made?)
		collected.		

UTPA Goal: Provide students with a quality educational experience that enables them to complete their educational goals in a timely fashion.

Academic Affairs Objective: Ensure that graduate programs are academically rigorous and research centered, promoting independent learning and preparing graduates to contribute successfully to their chosen professions.

College/AVP Objective: Infuse hands-on, field-base, and research experiences/opportunities into COSE curriculum.

Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	Assessment Results (Use actual data to describe annual performance)	Use of Results (What change was made?)
Increase proposal submissions. (9)	An average of at least one major external proposal per tenured/tenure-track faculty should be submitted.	Over period 6/1/06-5/31/07, over three major (over \$50K) external proposals should be submitted.	8 major externals proposals were submitted by 3 faculty. 3 faculty did not submit external funds	Goal met. Encourage remaining 3 faculty to submit proposals
Maintain student involvement in research. (10)	At least five undergraduate and ten graduate students should be formally involved in research projects.	Department will identify names of at least five students in each category who had support doing research from 6/1/06 – 5/31/07.	Graduate student criteria met, undergraduate criteria not met.	Continue to increase number of students engaged in research at undergraduate and graduate levels.

UTPA Goal: Become an outstanding research institution, emphasizing collaborative partnerships and entrepreneurship.

Academic Affairs Objective: Foster intramural and extramural collaborative research partnerships.

Annual Assessment Report June 1, 2006–May 31, 2007

College/AVP Objective:

Increase research collaborations among departments and other colleges and universities.

Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	Assessment Results (Use actual data to describe annual performance)	Use of Results (What change was made?)
Increase proposal submissions. (11)	An average of at least one major external proposal per tenured/tenure-track faculty should be submitted.	Over period 6/1/06 – 5/31/07, over three major (over \$50K) external proposals should be submitted.	8 major externals proposals were submitted by 3 faculty. 3 faculty did not submit external funds	Goal met. Encourage remaining 3 faculty to submit proposals

UTPA Goal:

Become an outstanding research institution, emphasizing collaborative partnerships and entrepreneurship.

Academic Affairs Objective:

Establish a framework for external support of research and entrepreneurial activities.

College/AVP Objective:

Increase funding for research through endowments, grants, contracts, and gifts.

Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	Assessment Results (Use actual data to describe annual performance)	Use of Results (What change was made?)
Increase proposal submissions. (12)	An average of at least one major external proposal per tenured/tenure-track faculty should be submitted.	Over period 6/1/06 – 5/31/07, over three major (over \$50K) external proposals should be submitted.	8 major externals proposals were submitted by 3 faculty. 3 faculty did not submit external funds	Goal met. Encourage remaining 3 faculty to submit proposals

UTPA Goal:

Become an outstanding research institution, emphasizing collaborative partnerships and entrepreneurship.

Academic Affairs Objective:

Enhance and capitalize on faculty research capabilities.

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College/AVP Objective:

Provide incentives to existing faculty for research.

Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	Assessment Results (Use actual data to describe annual performance)	Use of Results (What change was made?)
Ensure that tenure and merit documents recognize and reward research. (13)	Revised merit document.	Submit revised merit document for approval by March 31, 2007.	Merit document was not revised.	Schedule consideration of merit document in departmental meeting for AY 2007-2008.

UTPA Goal:

Enhance UTPA's engagement with the community to meet challenges and maximize opportunities.

Academic Affairs Objective:

Promote faculty and staff engagement in identifying and developing partnerships with external constituencies.

College/AVP Objective:

Create partnerships with local businesses and organizations to serve needs of the community.

Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	Assessment Results (Use actual data to describe annual performance)	Use of Results (What change was made?)
Increase number of industry based senior design projects. (14)	Industry supported or suggested design projects	At least two senior design projects from industry for 2006-2007 academic year, as reported by Senior Design Coordinator.	3 industrial senior design projects were completed in Fall 2006 and 2 industrial senior design projects were completed in Spring 2007	Criteria met. Maintain or expand industrial outreach with senior design projects.

UTPA Goal:

Enhance UTPA's engagement with the community to meet challenges and maximize opportunities.

Academic Affairs

Provide resources necessary to accomplish, maintain, and/or develop outreach activities.

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Objective:

College/AVP Objective: Continue to participate in and promote community events.

Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	Assessment Results (Use actual data to describe annual performance)	Use of Results (What change was made?)
Encourage faculty attendance at outreach and recruitment events. (15)	All faculty will attend an increased number of events, with emphasis on recruitment.	The faculty members will average at least one recruitment related event attended per semester.	Criteria met.	Increase recruitment activities starting with increase cooperation with student SME chapter and development of new website.
Maintain undergraduate student involvement in educational activities. (16)	At least ten students should participate in departmental educational activities like HESTEC and Math Counts competitions.	At least 80% of students participate in the programs.	Students participated in HESTEC, Math Counts, SAE and other activities.	Incorporate undergraduate SME chapter in educational and recruitment activities.

UTPA Goal: Infuse Inter-American and global perspectives throughout the University community.

Academic Affairs Objective: Increase and improve international activities on campus.

College/AVP Objective: Promote and enhance collaborations with universities and organizations with international emphasis.

Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	Assessment Results (Use actual data to describe annual performance)	Use of Results (What change was made?)
Increase number of ITESM exchange students in	Students enrolled.	At least 5 ITESM student enrollments in		

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Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	Assessment Results (Use actual data to describe annual performance)	Use of Results (What change was made?)
Manufacturing Engineering. (17)		manufacturing engineering courses during 2006-2007 academic year, as measured by Office of International Programs.		

UTPA Goal: Infuse Inter-American and global perspectives throughout the University community.

Academic Affairs Objective: Increase the number of international students on campus.

College/AVP Objective: Recruit international students to College of Science and Engineering.

Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	Assessment Results (Use actual data to describe annual performance)	Use of Results (What change was made?)
Increase international enrollment in MS program. (18)	International students enrolled.	At least 4 international students enrolled in Spring 2007, 6 international students in Fall 2007, as reported by Office of Institutional Research & Effectiveness (OIRE).	Spring 2007 41 UG international students in MANE and 11 international graduate students	Criteria met: no action required
Increase number of ITESM exchange students in Manufacturing Engineering. (19)	Students enrolled.	At least 5 ITESM student enrollments in manufacturing engineering courses during 2006-2007 academic year, as measured by Office of International Programs.	Spring 2007 2 students Summer 2007 13 students	Criteria met. Expand programs through Rapid Response Manufacturing Center

Annual Assessment Report June 1, 2006–May 31, 2007

UTPA Goal: Optimize institutional effectiveness and efficiency consistent with high quality organizational standards.

Academic Affairs Objective: Define and implement standards and performance measures for business processes and stakeholders.

College/AVP Objective: Streamline undergraduate and graduate admissions so they are more user-friendly to applicants.

Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	Assessment Results (Use actual data to describe annual performance)	Use of Results (What change was made?)
Improve graduate admissions process. (20)	Students given admission	At least 5 new MS admissions for Spring 2007 and Fall 2007.	10 new students entered in Engineering Management MS.	No changes have been made to graduate admission process.

UTPA Goal: Optimize institutional effectiveness and efficiency consistent with high quality organizational standards.

Academic Affairs Objective: Provide infrastructure to maximize utilization of human intellectual capital.

College/AVP Objective: Prioritize space needs.

Unit Objective	Measurable Outcome for Unit Objective	Assessment Criteria, Evaluation Methods for Measurable Outcome	Assessment Results (Use actual data to describe annual performance)	Use of Results (What change was made?)
Identify research space needs for new PhD in Manufacturing Engineering program. (21)	Square feet net increase in research space.	At least 1000 sq ft of space identified.	Creation of Rapid Response Manufacturing Center in Center for Manufacturing started summer 2006.	Fall 2007 additional research space will become available for MANE.