LOUISIANA BOARD OF REGENTS

BOARD OF REGENTS SUPPORT FUND

REVIEW OF COMPETITIVE PROPOSALS SUBMITTED FOR FUNDING CONSIDERATION IN THE DEPARTMENTAL ENHANCEMENT PROGRAM

FY 2024-25 COMPETITION

March 2025

REPORT OF THE FINAL PANEL

BOARD OF REGENTS SUPPORT FUND DEPARTMENTAL ENHANCEMENT PROGRAM

FY 2024-25

BACKGROUND INFORMATION

One hundred six (106) proposals requesting a total of $15,912,355 in first-year funds were submitted for funding consideration in fiscal year (FY) 2024-25 to the Departmental Enhancement Program of the Board of Regents Support Fund (BoRSF). Nine disciplines were eligible, including Arts, Business, Chemistry, Computer and Information Sciences, Earth and Environmental Sciences, Education, Engineering A, Mathematics, and Non-Disciplinary Workforce.

As described in the 2024-25 Departmental Enhancement Request for Proposals (RFP), academic units at eligible institutions could submit two types of proposals: Comprehensive Enhancement proposals, which could request up to $1,000,000 over five years; and Targeted Enhancement proposals, which could request up to $250,000 for one year. Individual academic units could submit only one (1) Comprehensive Enhancement proposal, though there were no restrictions on the number of Targeted Enhancement proposals submitted. An institutional screening committee consisting of, at minimum, an administrative representative from the academic unit, an institutional academic officer, and a representative from the campus's sponsored programs office, was required to approve the selection of Comprehensive Enhancement submissions for each academic unit, as well as approve and rank Targeted Enhancement submissions in order of priority to the submitting academic unit. Overall, seventeen (17) Comprehensive Enhancement proposals and eighty-nine (89) Targeted Enhancement proposals were submitted. The RFP noted that only one to three Comprehensive Enhancement proposals could be selected for funding due to limited monies available and the high long-term commitment of dollars required.

THE REVIEW PROCESS

Submitted proposals were reviewed by discipline-based panels. The chairs of each review panel represented their respective discipline on the final panel and submitted written reports with a priority ranking of highly recommended proposals to the final panel chair, Dr. Louisa Hope-Weeks, Dean of Science at the University of Nevada, Reno.

After careful consideration of all panel reports during March 2025, the final panel chair highly recommended for funding two (2) Comprehensive Enhancement proposals for a total of $594,687 in first-year funds, and nineteen (19) Targeted Enhancement proposals for a total of

$1,718,669 in first-year funds, based on monies projected to be available. Overall, twenty-one (21) Departmental Enhancement proposals are recommended for total first-year support of $2,313,356. For the two (2) Comprehensive Enhancement proposals highly recommended for funding, a total of $1,518,588 was recommended over five years.
Table I of this report contains the list by disciplinary category of all proposals highly recommended for funding. Table II lists the final panel chair and contributing consultants of the nine (9) discipline-based review panels. These are followed by a compilation of written comments submitted by the discipline-based review panels for each of the highly recommended proposals. Appendix A contains a list of all Departmental Enhancement proposals submitted, and Appendix B contains the rating form used by all consultants to evaluate proposals.

All proposals not recommended for funding (i.e., any proposal not listed in Table I) will receive debriefing material summarizing reviewer assessments of the project in July 2025, to assist applicants in development of future submissions to Departmental Enhancement and other grant programs. These materials will be distributed via the PI LOGAN account used to submit the original proposal.

Table I
FY 2024-25 Departmental Enhancement
Proposals Highly Recommended for Funding

#	Institution	Type	1st-Year Request	1st-Year Recommendation
Arts				
008ENH-25	Southern University A&M	Comprehensive	$294,995	$294,995
Business				
064ENH-25	Northwestern State University	Targeted	$135,107	$135,107
Chemistry				
084ENH-25	Tulane University	Targeted	$153,933	$153,933
034ENH-25	Louisiana State University A&M	Targeted	$69,199	$69,199
063ENH-25	Northwestern State University	Targeted	$55,148	$55,148
024ENH-25	Louisiana Christian University	Targeted	$39,975	$39,975
099ENH-25	University of Louisiana at Lafayette	Targeted	$64,201	$64,201
082ENH-25	Southern University at New Orleans	Targeted	$84,315	$12,000
Computer and Information Sciences				
028ENH-25	Louisiana State University A&M	Targeted	$190,320	$190,320
029ENH-25	Louisiana State University A&M	Targeted	$126,929	$126,929
Earth and Environmental Sciences				
020ENH-25	Dillard University	Targeted	$143,454	$143,454
Education				
013ENH-25	University of Louisiana at Lafayette	Comprehensive	$299,692	$299,692
094ENH-25	University of Louisiana at Lafayette	Targeted	$107,377	$107,377
Engineering A				
033ENH-25	Louisiana State University A&M	Targeted	$41,400	$41,400
085ENH-25	Tulane University	Targeted	$140,623	$49,951
040ENH-25	Louisiana Tech University	Targeted	$66,947	$66,947
052ENH-25	Nicholls State University	Targeted	$147,699	$50,000
047ENH-25	McNeese State University	Targeted	$199,871	$167,362
Mathematics				
037ENH-25	Louisiana Tech University	Targeted	$60,875	$60,875
069ENH-25	Southeastern Louisiana University	Targeted	$77,454	$77,454
Non-Disciplinary Workforce				
067ENH-25	South Louisiana Community College	Targeted	$107,037	$107,037
			$2,606,551	**$2,313,356**

Table II

2024-25 Departmental Enhancement Review Panels		
Name	**School**	**Discipline**
Final Panel		
Louisa Hope-Weeks	University of Nevada, Reno	Chemistry
Engineering A		
Shaikh Ahmed, chair	Southern Illinois University	Computer/Electrical Engineering
Brandon Weeks	University of Nevada, Reno	Chemical Engineering
Yanlin Guo	Colorado State University	Civil Engineering
Chemistry		
Louisa Hope-Weeks, chair	University of Nevada, Reno	Materials Chemistry
Salvatore D. Lepore	Florida Atlantic University	Organic Chemistry
Meenakshi Dutt	Rutgers University	Physical Chemistry
Arts		
Sandra Murchison, chair	Eastern Michigan University	Visual Arts
John Aylward	Clark University	Music Composition
Cleo House	Stephen F. Austin University	Theatre
Education		
Christine Lee Bae	Virginia Commonwealth University	Science Education
Anita Welch	Wayne State University	Education Evaluation and Research
Computer & Information Sciences		
Jaudelice de Oliveira, chair	Drexel University	Cyber Security/Computer Engineering
Deepak Kumar	Bryn Mawr College	Artificial Intelligence/Robotics
Business		
Nitish Singh, chair	St. Louis University	International Business
Scott Schaefer	University of Utah	Business Administration
Mathematics		
Hema Srinivasan, chair	University of Missouri	Commutative Algebra
Robin Blankenship	Morehead State University	Graph Theory
Earth and Environmental		
Nate Bickford, chair	Oregon Institute of Technology	Environmental Science/Biology
Onema Adojoh	Northwest Missouri State	Environmental Geosciences
Non-Disciplinary Workforce		
Larry Warford	Independent Consultant	Two-Year Education
Russell Hamm	Independent Consultant	Two-Year Education

2024-25 Departmental Enhancement
Highly Recommended Proposals:
Arts

Number: 008ENH-25 **Type:** Comprehensive

PI: Bonny McDonald **Institution:** Southern University and A&M College - Baton Rouge

Title: Hayden Hall Arts Initiative: Developing Arts Spaces for Multidisciplinary Innovation

Request: Year 1: $294,995, Y2: $118,487, Y3: $115,897

Recommendation: Year 1: $294,995, Y2: $118,487, Y3: $115,897

This proposal is a multidisciplinary and comprehensive request to enhance Southern University A&M's Fine and Performing Arts building, including shared classrooms, art dance studios, and the theatre. SUBR has approximately 161 majors in its arts degrees and serves about 1,082 undergraduate students. Many of the spaces will be upgraded for the first time since the 1960s, when SUBR's arts programs had completely different student competencies and industry expectations. The proposal is constructed to first address the most urgent needs and follow up with additional priorities in subsequent years. The upgrades can more accurately be described as essential and basic needs rather than enhancements. This is an ambitious and comprehensive plan, but essential for the department to survive, let alone thrive. The goals are directly related to the mission of this fine and performing arts department and can be easily be measured in every aspect of the program including curriculum, student outcomes, graduation rates, recruitment, faculty professional development, alumni relations, accreditation standards and health and safety. The evaluation plan is extensive, includes specific metrics, and is indicative of the magnitude of this proposal and its impact on the unit. Full funding is recommended.

2024-25 Departmental Enhancement
Highly Recommended Proposals:
Business

Number: 064ENH-25 **Type:** Targeted

PI: Valerie Salter **Institution:** Northwestern State University

Title: Enhancement of the Undergraduate Hospitality Management & Tourism [HMT] and Culinary Arts Program

Request: $135,107 **Recommendation:** $135,107

This proposal seeks to enhance the Culinary Arts Building laboratory space for students in the Hospitality Management & Tourism (HMT) program, which is situated in the College of Business. The project is relevant and impactful. The objectives are clearly articulated, reasonable, measurable, and aligned with the mission of the unit. The aim is to enhance the undergraduate degree program while addressing Louisiana's critical shortage of hospitality professionals. The evaluation plan is strong and contains clear metrics. The sustainability plan is logical and straightforward. The budget justification is clear and extensive, and replacement costs have been identified with due diligence and research. Full funding is recommended.

2024-25 Departmental Enhancement
Highly Recommended Proposals:
Chemistry

Number: 084ENH-25 **Type:** Targeted

PI: Scott Grayson **Institution:** Tulane University

Title: Improving Our Size Exclusion Chromatography Suite with Three Types of Detection

Request: $153,933 **Recommendation:** $153,933

This proposal seeks to acquire a size exclusion chromatography (SEC) system with triple detection to enhance polymer, nanoparticle, and protein research in multiple departments. The project will strengthen Tulane's regional research partnerships with Loyola, Xavier, and other institutions. The equipment will also enhance undergraduate hands-on experience in several courses, including instrumental analysis, polymer science, and biotechnology. SEC-trained students will be better prepared for local industry positions at companies such as Merck, Moderna, Biogen, and Roche, strengthening the Louisiana workforce. The budget is very reasonable. Full funding is recommended.

Number: 034ENH-25 **Type:** Targeted

PI: John Pojman **Institution:** Louisiana State University and A & M College

Title: Enabling New Sample Preparation Techniques in Mass Spectrometry and Variable-Temperature Capabilities for Nuclear Magnetic Resonance [NMR] Spectroscopy

Request: $69,199 **Recommendation:** $69,199

The applicants seek the acquisition of equipment to enhance the capabilities of existing mass and nuclear magnetic resonance spectrometers. The project will significantly expand the research abilities of several faculty members across multiple departments. The proposal addresses the impact on the current curriculum, with a plan to integrate new experiments into both undergraduate and graduate courses, training students to meet the needs of industry. The work plan is detailed and straightforward. The personnel identified to oversee the installation and experiment protocol development have the extensive experience necessary for the successful implementation of the objectives. The long-term sustainability plan is excellent. Full funding is recommended.

Number: 063ENH-25 **Type:** Targeted

PI: Daniel Rivera-Vazquez **Institution:** Northwestern State University

Title: Acquisition of Ductless Chemical Fume Hoods for Chemistry Undergraduate Laboratories and Outreach Activities at NSU

Request: $55,148 **Recommendation:** $55,148

This proposal seeks the acquisition of ductless fume hoods for chemistry laboratories. The equipment will improve hands-on learning and student research experiences. Having working fume hoods is vital to delivering quality chemistry education and producing graduates who are prepared for the workforce. The Physical Science and Engineering faculty will be able to integrate into grant applications research that requires fume hoods, which will improve competitiveness. This project will enable cross-disciplinary research in forensic science, bioengineering, nanotechnology, and medicinal chemistry, expanding collaborations across campus. Quantifiable evaluation metrics are not provided, which weakened the overall proposal. The budget requested is appropriate for the scope of work described. Full funding is recommended.

Number: 024ENH-25 **Type:** Targeted

PI: Sarah Payne **Institution:** Louisiana Christian University

Title: A Food Safe Lab Space for Interdisciplinary Science Instruction and Research

Request: $39,975 **Recommendation:** $39,975

This proposal seeks to create a food-safe lab kitchen to support interdisciplinary, hands-on learning in chemistry, biology, and engineering. The project will increase student engagement in science. An underutilized classroom will be turned into a fully functional laboratory, filling a gap in interdisciplinary science instruction. This proposal will increase food chemistry and microbiology research, which could lead to external funding from federal agencies. This will help the department become a regional leader in food safety education, attracting students interested in food science careers. The new laboratory will also impact the local community by enabling home-school programs to use it in their classes. The proposal lacks a discussion of how evaluation data, once collected, will be used to improve the student experience and the curriculum. Full funding is recommended.

Number: 099ENH-25 **Type:** Targeted

PI: Wu Xu **Institution:** University of Louisiana at Lafayette

Title: Acquisition of a Time-Resolved Fluorescence Spectrometer for Enhancing Current Research and Improving Competitiveness for Funding of Additional Projects

Request: $64,201 **Recommendation:** $64,201

This proposal seeks the acquisition of a time-resolved fluorescence spectrometer to enhance and expand research capabilities and improve competitiveness for external funding. The equipment will strengthen the Chemistry Department as it transitions from a primarily undergraduate teaching unit to a research-focused department. The spectrometer is a critical tool for obtaining preliminary kinetics data to strengthen DOE and NSF grant applications and resubmissions. The proposal lacks information on the broader impact on the academic unit beyond the effects of the PI's research programs. More details are also needed on installation, training, data analysis, and maintenance. The evaluation plan contains a comprehensive set of clear metrics. The project team is very strong, with an established track record of funding, publication, and national collaborations. The instrument will support research, enhance the department's graduate program, and be integrated into coursework. Full funding is recommended.

Number: 082ENH-25 **Type:** Targeted

PI: Nebiat Sisay **Institution:** Southern University at New Orleans

Title: Technology Enhancement for the Department of Natural Sciences

Request: $84,315 **Recommendation:** $12,000

This proposal seeks to enhance the Department of Natural Sciences with the acquisition of new and upgraded equipment. The request aligns with departmental needs, focusing on modernizing infrastructure and integrating advanced technology into the curriculum. The NMR instrument appears to be too low-tech to improve research infrastructure and is unlikely to make proposals more competitive. The UV-Vis Spectrophotometer, however, will provide additional educational experiences and improve the curriculum. Partial funding of $12,000 is recommended for the UV-Vis.

2024-25 Departmental Enhancement
Highly Recommended Proposals:
Computer and Information Sciences

Number: 028ENH-25 **Type:** Targeted

PI: Gina Costello **Institution:** Louisiana State University and A & M College

Title: Digitizing Louisiana History: Enhancing Digitization and Access Capabilities for LSU and the State

Request: $190,320 **Recommendation:** $190,320

This proposal seeks to increase the amount of historically and culturally significant materials in the Louisiana Digital Library and to expand capacity to digitize microfilm materials. Students will assist with the digitization efforts. The goals are achievable and in close alignment with the mission of the institution. The work plan is comprehensive and includes a timeline with tasks and benchmarks. The project has the potential for significant impact on infrastructure, research capacity, curriculum, faculty collaboration, and student training. The budget is appropriate. Full funding is recommended.

Number: 029ENH-25 **Type:** Targeted

PI: James Ghawaly **Institution:** Louisiana State University and A & M College

Title: Secure Computing for LSU's AI & Security Laboratory

Request: $126,929 **Recommendation:** $126,929

This proposal requests a secure GPU server to enable safe, firewalled cybersecurity research. The goals are clearly stated and connected to the objectives, and all are in line with the department's mission. The need for the enhancement and the impact on faculty research are clearly articulated. The work plan is very detailed and includes comprehensive evaluation metrics. The team is highly capable. The budget is detailed, with a rationale provided for each item. Full funding is recommended.

2024-25 Departmental Enhancement
Highly Recommended Proposals:
Earth and Environmental Sciences

Number: 020ENH-25 **Type:** Targeted

PI: Ruby Broadway **Institution:** Dillard University

Title: Enhancement of the Biology Curriculum: Integration of Global Warming/Climate Change, the Effect Greenhouse and Saltwater Intrusion [BIGGS]

Request: $143,454 **Recommendation:** $143,454

This project seeks to upgrade Dillard's Biology curriculum by integrating environmental science content. The goals are specific and tied directly to understanding climate change, its causes, and mitigation strategies. They engage contemporary environmental issues, aligning with the departmental mission of preparing students to address societal challenges, and reflect an effort to integrate real-world applications into the curriculum. The incorporation of diverse teaching methods, from concept mapping to virtual labs, ensures the goals are realistic and achievable within the proposed framework. The assessment tools allow for clear tracking of progress and outcomes. The project supports faculty by providing diverse teaching tools to improve faculty teaching effectiveness and engagement. The project offers students valuable hands-on experience and interdisciplinary learning. The integration of virtual labs and computer-based research tools will enhance Dillard's STEM infrastructure and provide students with access to advanced learning technologies without the need for expensive physical lab setups. The team appears highly capable of implementing the work plan. Full funding is recommended.

2024-25 Departmental Enhancement
Highly Recommended Proposals:
Education

Number: 013ENH-25 **Type:** Comprehensive

PI: Douglas Williams **Institution:** University of Louisiana at Lafayette

Title: Learning Lab @ UL Lafayette: Equipping and Empowering Future Teacher Leaders

Request: Year 1: $299,692, Y2: $199,953, Y3: $199,878, Y4: $192,600, Y5: $97,086

Recommendation: Year 1: $299,692, Y2: $199,953, Y3: $199,878, Y4: $192,600, Y5: $97,086

This proposal seeks to equip a learning laboratory for teacher candidates to improve instruction and recruitment. The goals are in line with the mission of the academic unit. The objectives are measurable. The proposal includes a detailed timeline and clearly assigns responsibilities to team members, ensuring structured implementation. The applicants demonstrate how the requested funds will complement existing efforts currently supported by grant funding. The resources made available in the lab will directly enhance curriculum quality, student engagement, and research capabilities for pre-service teachers and graduate students in the education leadership program. The lab will also facilitate collaborations between faculty and students through professional learning communities, which has the potential to cross disciplines. The project will prepare students for diverse careers in STEM education and research, contributing to workforce development in Louisiana. Partnerships with local organizations are clearly articulated. The evaluation plan includes several quantitative and qualitative data sources, providing multiple methods to track progress and outcomes. The investigators have extensive expertise in STEM education, professional development, and research, equipping them well to execute the project. The budget prioritizes essential items, such as advanced research software, equipment, and professional development resources, directly supporting project goals. Each budget item is clearly linked to specific objectives, reflecting a well-thought-out plan. Full funding is recommended.

Number: 094ENH-25 **Type:** Targeted

PI: Helen Kreamer **Institution:** University of Louisiana at Lafayette

Title: Ragin Cajun Writing Collaborative: Cultivating a Culture for Writing

Request: $107,377 **Recommendation:** $107,377

This proposal seeks funds to create a writing center to support students and faculty from the Department of Educational Curriculum and Instruction as well as other departments across campus. An underutilized conference space will be repurposed and fitted with a resource library,

instructional technology, and collaborative meeting areas. The project goals are clearly aligned with the department's mission. The objectives are measurable. The well-structured work plan contains detailed timelines with assigned responsibilities for personnel. The evaluation plan is strong and contains clear metrics. The project addresses a critical gap in campus resources and has the potential to enhance student and faculty research quality and improve student writing efficiency across disciplines. The team is capable and includes experienced instructors and project managers. The budget is aligned with project goals. Full funding is recommended.

2024-25 Departmental Enhancement
Highly Recommended Proposals:
Engineering A

Number: 033ENH-25 **Type:** Targeted

PI: Kevin McPeak **Institution:** Louisiana State University and A & M College

Title: Plasma Cleaning for Device Fabrication Research and Education at Louisiana State University

Request: $41,400 **Recommendation:** $41,400

This application seeks the acquisition of an Allwin21 upgrade kit for the outdated Branson/IPC 3000 plasma cleaner/asher in the Nanofabrication Facility, which is housed in LSU's Center for Advanced Microstructures and Devices. This is an excellent and well-written proposal. Given that the existing equipment has been widely used but is currently non-functional, this is a worthwhile investment. The project aligns very well with LSU's commitment to research excellence. In justifying the need for the upgrade toolkit, the PIs highlight multiple research projects in the general area of advanced materials processing that will greatly benefit from this acquisition. They also present a strong, well-articulated case for its potential to attract external grants and support fundamental, high-impact research. The facility is well-maintained and engages a diverse research community. Students in electrical and chemical engineering will gain valuable hands-on experience with the equipment. The PIs have an outstanding track record of accomplishments. Overall, the proposal demonstrates strong intellectual merit. The panel recommends full funding for the project.

Number: 085ENH-25 **Type:** Targeted

PI: Noshir Pesika **Institution:** Tulane University

Title: Acquisition of Thermal Conductivity and Mechanical Characterization Instruments to Enhance Research and Teaching at Tulane

Request: $140,623 **Recommendation:** $49,951

The proposal requests funding for two pieces of equipment: a dynamic mechanical analyzer and a thermal conductivity measurement system. Tulane University has an excellent program in materials science and engineering, known for its impactful research and strong emphasis on hands-on training in advanced characterization techniques. While the mechanical analyzer could address a specific gap in force measurement, the justification for its acquisition is not sufficiently compelling. In contrast, the panel finds that the thermal conductivity measurement system, with its capability to characterize soft matter, will be an excellent addition to the program and will

benefit a broader user community. The research activities in this area are well structured and thoughtfully planned. Although the proposal is primarily research-focused, it also presents a strong case for integrating the equipment into the classroom activities. There is an excellent discussion of a new course, in line with thermal measurement of soft materials, that will be introduced. The investigators are highly accomplished researchers. Their funded ongoing and proposed research in polymers, surface physics, two-dimensional and self-healing materials, hydrogels, and self-powered cooling garments is particularly commendable. The equipment will play a significant role in enhancing the program's research productivity. The sustainability plan is well developed, and evaluation strategy is strong. Partial funding of $49,951 is recommended for the measurement system.

Number: 040ENH-25 **Type:** Targeted

PI: Lingxiao Wang **Institution:** Louisiana Tech University

Title: Enhancing Control Systems Education through the Modernization of the Automatic Control Laboratory at Louisiana Tech University

Request: $66,947 **Recommendation:** $66,947

The PIs request funding to acquire Quanser Servo workstations for their control systems lab. This is a well-crafted proposal from a strong team of educators and researchers at Louisiana Tech University. Multiple programs, including Electrical Engineering and Instrumentation and Control Systems Engineering Technology, will benefit from this acquisition. Given the strong enrollment and interest in these and related engineering areas, the requested equipment will likely make a significant impact on education and workforce development. The systems are AI-enabled, which enhances their educational value. The PIs provide a compelling discussion of the limitations of the existing systems, further strengthening the case for this acquisition. The proposal includes a clear and detailed timeline. The team demonstrates strong expertise in control systems education and research. The plan to train and involve a lab assistant is commendable. Full funding is recommended.

Number: 052ENH-25 **Type:** Targeted

PI: Balaji Ramachandran **Institution:** Nicholls State University

Title: Improving Capabilities for Imaging the Louisiana Coast

Request: $147,699 **Recommendation:** $50,000

The Geomatics and Biological Sciences programs at Nicholls State University are seeking funding to acquire a medium-range Uncrewed Aerial System (UAS), a 3D mapping system module with sensor arrays, and related accessories. The PIs plan to expand the existing UAS

program by enhancing payload capacity, endurance, coverage area, and measurement accuracy. The review panel commends the program for its strong track record, student training initiatives, and practical applications. However, the current infrastructure is already well equipped to meet both present and foreseeable needs. The proposal lacks a compelling explanation of how all of the requested items align with the program's ongoing or future research projects. Nonetheless, the panel recognizes the importance of improving the quality and accuracy of point cloud imaging capability. The University has provided strong institutional support for the UAS program, which has secured substantial funding over the years. The project team is highly experienced. However, given the research focus of the proposal, more effort should be invested in producing journal publications and securing federal grants. The panel recommends partial funding of $50,000, primarily to support the purchase of the mapping system with a high-performance sensor array.

Number: 047ENH-25 **Type:** Targeted

PI: Farid Hosseinpour **Institution:** McNeese State University

Title: Enhancing Civil and Structural Engineering Facilities: Advancing Material Testing and Educational Innovation at McNeese State University

Request: $199,871 **Recommendation:** $167,362

This proposal from McNeese State University requests funding to upgrade material testing capabilities, primarily for teaching activities. While the work plan could be more clearly articulated and include specific details, the panel recognizes the significant impact of acquiring a versatile material testing machine. The proposed equipment has the potential to benefit multiple disciplines beyond Civil Engineering, a point that should be more explicitly highlighted in the proposal. The panel also notes that a universal material tester is a standard piece of equipment widely used in similar programs. The existing unit in the department is non-functional, so this acquisition would substantially enhance the curricula, with a wide range of courses and many students on an annual basis expected to benefit. The PIs are well qualified, but their trajectory of external funding appears somewhat limited. The evaluation plan is solid, with a structured approach to tracking student retention. Partial funding of $167,362 is recommended, primarily to support the purchase of the INSTRON testing machine.

2024-25 Departmental Enhancement
Highly Recommended Proposals:
Mathematics

Number: 037ENH-25 **Type:** Targeted

PI: Blake Farman **Institution:** Louisiana Tech University

Title: Applied eXploration In Open Mathematics Lab [AXIOM Lab]

Request: $60,875 **Recommendation:** $60,875

This proposal seeks to establish and maintain a lab where students can engage in mentored research and collaborations with Math and Statistics faculty. The primary goal is to improve undergraduate education and faculty research and development. Faculty are currently spread out amongst four buildings; the programs need a home where the students and faculty can interact and collaborate. Establishing the lab will boost undergraduate students' performance and research readiness and help with retention, along with faculty research and their ability to win external grants. The work plan is well thought out, ambitious, and will improve students' capstone projects and their ability to continue research or connect with industry. The team will host a weekly departmental meeting where students and faculty can network and generate a feeling of community. They will launch monthly streaming of the BIG (Business, Industry and Government) math network industry connection series, which are virtual interactive panels. The evaluation plan is extensive, thoughtful, and measurable. The team is capable of implementing the plan. The panel suggests allocating less funding to furniture and more to computer equipment to provide more capabilities to students and faculty. Full funding is recommended.

Number: 069ENH-25 **Type:** Targeted

PI: Timothy Hudson **Institution:** Southeastern Louisiana University

Title: A Thin Client Virtual Math Lab

Request: $77,454 **Recommendation:** $77,454

This proposal seeks to establish a computer lab with a virtual machine environment where undergraduate students enrolled in entry-level math classes can work together on their homework. The current equipment available to students is over 15 years old. This project will improve graduation and retention rates, which are heavily dependent on success rates in freshman classes. The budget is sufficient, and there is an institutional match. Full funding is recommended.

2024-25 Departmental Enhancement
Highly Recommended Proposals:
Non-Disciplinary Workforce

Number: 067ENH-25 **Type:** Targeted

PI: Joel Matte **Institution:** South Louisiana Community College

Title: Aviation Maintenance Technology Program Modernization & Workforce Capitalization

Request: $107,037 **Recommendation:** $107,037

South Louisiana Community College (SoLAcc) requests funds to procure state-of-the-art training equipment, simulation software technology, and study resources to update and improve the capacity of the Aviation Maintenance Technology program. The online content proposed will appeal to potential students, who respond to interactive, virtual learning environments. Testing resources will better prepare students to pass certification examinations and more quickly enter high-wage/high-demand careers in aviation maintenance. The goals and objectives are well developed, concise, and clear. The request aligns with current instructional modalities. Proposal goals support economic development in the state and the region as well as the College's strategic direction. The planned activities will ensure graduates are prepared for success in the workforce. The work plan is very clear and easy to navigate. The evaluation criteria are measurable and expertly designed. The campus has strong existing relationships with industry partners and the aviation sector. The faculty will receive all necessary professional development to fully integrate new equipment and web-based tools, which is essential to optimizing the impact of this investment. Including advisory committee and employer feedback is a sound component of the evaluation strategy, as are the numerical targets. The personnel are experienced and qualified. The budget is clearly presented and easy to navigate. The budget justification is clear. This is a well-written proposal that responded specifically to each of the required categories and, when fully implemented, will serve students and the local economy. Full funding is recommended.

Appendix A
List of Proposals Submitted

Proposals Submitted to the Departmental Enhancement Program - Comprehensive
for the FY 2024-25 Review Cycle

Proposal #	PI Name	Institution	Project Title	Primary Category	Amount Requested					
					Year 1	Year 2	Year 3	Year 4	Year 5	Total
001ENH-25	Dr. Sarah Barlow	Baton Rouge Community College	BRCC-TRANE Interdisciplinary Initiative for HVAC Excellence	Workforce	$300,000.00	$200,000.00	$143,000.00	$0.00	$0.00	$643,000
002ENH-25	Prof. Semin Lee	Louisiana State University and A & M College	Virtual Reality for Education, Workforce, and Citizen Scientists	Education	$61,240.00	$0.00	$0.00	$0.00	$0.00	$61,240
003ENH-25	Dr. Flavia-Ioana Patrascu	Louisiana State University and A & M College	SMART [Sustainable Monitoring and Analysis for Resilient Technologies] for Urban Advancements	Research	$102,316.00	$42,080.00	$78,030.00	$74,080.00	$0.00	$296,506
004ENH-25	Prof. George Voyiadjis	Louisiana State University and A & M College	Advancing CEE-LSU Research/Education facilities to enhance Sustainability and Resilience of Infrastructure in Coastal Louisiana	Research	$290,779.00	$199,715.00	$199,715.00	$179,215.00	$34,215.00	$903,639
005ENH-25	Dr. Luis Marrero	Louisiana State University Health Sciences Center - New Orleans	BayouBones: Enhancing Medical Education for Louisiana	Education	$292,650.00	$199,800.00	$177,100.00	$169,600.00	$122,450.00	$961,600
006ENH-25	Dr. Shaurav Alam	Louisiana Tech University	Capacity Building and Enhancement of TTC Facilities to Achieve Long-term Interinstitutional, Intercollege, and Interdepartmental Research Goals	Research	$298,121.00	$185,000.00	$189,480.00	$137,357.00	$190,000.00	$999,958
007ENH-25	Dr. Cunzhi Zhao	McNeese State University	Enhancing Engineering Education through a Modernized Power and Machinery Laboratory: Preparing Industry-Ready Graduates for the Evolving Power and Energy Sector	Education	$293,600.00	$199,500.00	$0.00	$0.00	$0.00	$8,396,416
008ENH-25	Dr. Bonny McDonald	Southern University and A&M College - Baton Rouge	Hayden Hall Arts Initiative: Developing Arts Spaces for Multidisciplinary Innovation	Education	$294,995.00	$118,487.00	$115,897.00	$0.00	$0.00	$529,379
009ENH-25	Dr. Misty Reed	Southern University and A&M College - Baton Rouge	Project E.L.I.T.E. [Empowering Leaders through Innovation, Training, and Excellence]	Education	$200,000.00	$200,000.00	$200,000.00	$200,000.00	$200,000.00	$1,000,000
010ENH-25	Dr. Tai Ha	Tulane University	Building and Fortifying Mathematical Pathways at Tulane	Education	$214,276.00	$196,276.00	$196,276.00	$196,276.00	$196,276.00	$999,380
011ENH-25	Prof. Carola Wenk	Tulane University	Establishing an Accessible Computing Infrastructure for Artificial Intelligence and Data Science Research and Education	Research	$300,000.00	$190,295.00	$200,000.00	$0.00	$0.00	$690,295
012ENH-25	Dr. Brian Bolton	University of Louisiana at Lafayette	Enhancing Business Research & Graduate Education at the University of Louisiana at Lafayette	Education	$109,192.00	$112,000.00	$192,390.00	$183,690.00	$166,990.00	$764,262
013ENH-25	Dr. Douglas Williams	University of Louisiana at Lafayette	Learning Lab @ UL Lafayette: Equipping and Empowering Future Teacher Leaders	Education	$299,692.00	$199,953.00	$199,878.00	$192,600.00	$97,086.00	$989,209
014ENH-25	Prof. Wu Xu	University of Louisiana at Lafayette	Enhancing infrastructure for research centered on renewable energy and new materials to support the transition from an undergraduate program to an undergraduate-graduate chemistry program	Research	$236,490.00	$200,000.00	$163,510.00	$200,000.00	$200,000.00	$1,000,000
015ENH-25	Dr. John Rakus	University of Louisiana at Monroe	Enhancing Undergraduate Chemistry Education at UL-Monroe with State-of-the-Art Instrumentation and Curriculum Practices	Education	$288,031.00	$153,045.00	$180,264.00	$194,865.00	$0.00	$816,205
016ENH-25	Dr. Anabel Mifsud	University of New Orleans	Bolstering the Mental Health Workforce through Augmented Learning Environments, Educational Offerings, and Supervisory Training in the Counselor Education Graduate Programs at the University of New Orleans	Workforce	$144,452.00	$99,209.00	$64,213.00	$114,035.00	$43,085.00	$464,994
017ENH-25	Dr. Vassil Roussev	University of New Orleans	An Integrated Environment for AI and Data Science Education and Research	Education	$265,639.00	$197,648.00	$186,305.00	$0.00	$0.00	$649,592

Total Number of Proposals Submitted	17
Total Funds Requested for First Year	$3,991,473
Total Funds Requested for Second Year	$2,693,008
Total Funds Requested for Third Year	$2,486,058
Total Funds Requested for Fourth Year	$1,841,718
Total Funds Requested for Fifth Year	$1,250,102
Total Funds Requested	**$20,165,675**

Proposals Submitted to the Departmental Enhancement Program - Targeted for the FY 2024-25 Review Cycle

Proposal Number	PI Name	Institution	Project Title	Primary Category	Amount Requested
018ENH-25	Dr. Barbara Davis	Centenary College	Data Analytics: Tools and Technology Upgrade	Education	$86,330
019ENH-25	Dr. Ellyn Evans	Centenary College	Enhancement of Environmental Sciences at Centenary College of Louisiana: Increasing Equity Among Undergraduate Students	Education	$199,355
020ENH-25	Dr. Ruby Broadway	Dillard University	Enhancement of the Biology Curriculum: Integration of Global Warming/ Climate Change, the Effect Greenhouse and Saltwater Intrusion. [BIGGS]	Education	$143,454
021ENH-25	Prof. Danny Hubbard	Grambling State University	Enhancing Chemistry Labs with Innovative Technology at GSU	Education	$199,970
022ENH-25	Dr. Danielle Williams	Grambling State University	Enhancing the Teacher Education Curriculum through the GramPREP Simulation Lab of Teaching and Technology	Education	$143,402
023ENH-25	Dr. Theodore Chiasson	Louisiana Christian University	CENLA Prototype Design Lab	Education	$54,800
024ENH-25	Dr. Sarah Payne	Louisiana Christian University	A Food Safe Lab Space for Interdisciplinary Science Instruction and Research	Education	$39,975
025ENH-25	Mr. Michael Williams	Louisiana Christian University	Visual Arts Curriculum Enhancement by the Improvement of Studio Learning Environment	Education	$109,242
026ENH-25	Dr. Kayanush Aryana	Louisiana State University Agricultural Center	Enhancing research and teaching on obtaining targeted chemical components for improved health from fluid foods and food wastes.	Research	$199,800
027ENH-25	Dr. Joan King	Louisiana State University Agricultural Center	Replacement of 20-year old Rapid Visco Analyzer for Research, Teaching and Outreach	Research	$70,894
028ENH-25	Mrs. Gina Costello	Louisiana State University and A & M College	Digitizing Louisiana history: Enhancing digitization and access capabilities for LSU and the state.	Research	$190,320
029ENH-25	Dr. James Ghawaly	Louisiana State University and A & M College	Secure Computing for LSUs AI & Security Laboratory	Research	$126,929
030ENH-25	Mr. Jason Jamerson	Louisiana State University and A & M College	Cutting Edge Digital Media Workforce Preparation	Education	$200,000
031ENH-25	Dr. Amin Kargarian Marvasti	Louisiana State University and A & M College	Resilient Power Systems for a Changing Climate: A Multidisciplinary Laboratory for Energy, Cybersecurity, and Societal Impact Research [R-PSEC Lab]	Research	$197,050
032ENH-25	Dr. David Koppelman	Louisiana State University and A & M College	Equipment Supporting Investigation of Energy-Efficient Accelerated Machine Learning and Research and Instruction in Other Areas of Accelerated Computation	Research	$121,000
033ENH-25	Prof. Kevin McPeak	Louisiana State University and A & M College	Plasma cleaning for device fabrication research and education at Louisiana State University	Research	$41,400
034ENH-25	Prof. John Pojman	Louisiana State University and A & M College	Enabling new sample preparation techniques in mass spectrometry and variable-temperature capabilities for nuclear magnetic resonance [NMR] spectroscopy	Research	$69,199

Proposals Submitted to the Departmental Enhancement Program - Targeted for the FY 2024-25 Review Cycle

Proposal Number	PI Name	Institution	Project Title	Primary Category	Amount Requested
035ENH-25	Miss. Luisa Restrepo	Louisiana State University and A & M College	Digital Arts and Design Fabrication Network	Education	$181,011
036ENH-25	Ms. Vanessa Uhlig	Louisiana State University and A & M College	Building a Diverse Workforce in Louisiana through a Competitive Film and Media Production Pipeline	Workforce	$186,093
037ENH-25	Dr. Blake Farman	Louisiana Tech University	Applied eXploration In Open Mathematics Lab [AXIOM Lab]	Research	$60,875
038ENH-25	Prof. Elisabeth Maria Fatila	Louisiana Tech University	TEChStIRS: Targeted Enhancement of the Chemical Sciences through IR Spectroscopy	Research	$63,652
039ENH-25	Dr. Arun Jaganathan	Louisiana Tech University	FLUME: FLuids Undergraduate Mechanics lab Enhancement	Education	$166,530
040ENH-25	Dr. Lingxiao Wang	Louisiana Tech University	Enhancing Control Systems Education through the Modernization of the Automatic Control Laboratory at Louisiana Tech University	Education	$66,947
041ENH-25	Dr. Dustin Whitlock	Louisiana Tech University	Solid Foundations: Enhancing Pre-Service Teacher Development in Brain-based Learning and Teaching	Education	$37,000
042ENH-25	Prof. Yang Xiao	Louisiana Tech University	Targeted Enhancement: Increasing Research Capacity and Education in Chemical Engineering Program at Louisiana Tech University Through the Acquisition of A Chemisorption-Physisorption Analyzer	Research	$122,383
043ENH-25	Dr. Junhai Xu	Louisiana Tech University	Enhancing Interactive Learning and Practical Application in Sports and Exercise Science Courses Through Updated Technology	Workforce	$199,222
044ENH-25	Prof. Garrett Eckl	McNeese State University	Establishment of The McNeese Music Production Lab	Education	$105,996
045ENH-25	Dr. Qi Guo	McNeese State University	Elevating Hands-On Learning in Engineering Education: Empowering Students with Refrigeration Cycle Trainers	Education	$164,492
046ENH-25	Dr. Qi Guo	McNeese State University	Empowering Engineering Education: A Computer-Equipped Classroom for Digital Learning Transformation	Education	$160,149
047ENH-25	Dr. Farid Hosseinpour	McNeese State University	Enhancing Civil and Structural Engineering Facilities: Advancing Material Testing and Educational Innovation at McNeese State University	Education	$199,871
048ENH-25	Dr. Cunzhi Zhao	McNeese State University	Enhancement of AI Applications and Developments Across Engineering Disciplines	Education	$151,817
049ENH-25	Dr. Abby Adams	Nicholls State University	Strengthening Education with Environmental Molecular Opportunities in Research SEEMORe	Education	$65,000
050ENH-25	Dr. Heather Gamel	Nicholls State University	Promoting Active Learning in General Education Courses Through Flexible Learning Environments	Education	$167,896
051ENH-25	Dr. En Mao	Nicholls State University	Developing Business Analytics Competency in the Bayou Region through Curriculum Enhancements with High Demand Skills and Workforce Readiness	Education	$179,855

Proposals Submitted to the Departmental Enhancement Program - Targeted for the FY 2024-25 Review Cycle

Proposal Number	PI Name	Institution	Project Title	Primary Category	Amount Requested
052ENH-25	Dr. Balaji Ramachandran	Nicholls State University	Improving Capabilities for Imaging the Louisiana Coast	Research	$147,699
053ENH-25	Dr. Ke Wang	Nicholls State University	Opening the pipeline of secondary math teachers	Education	$151,855
054ENH-25	Dr. Darcey Wayment	Nicholls State University	Enhancing chemistry education and coastal research through acquisition of an inductively coupled plasma [ICP] spectrometer	Education	$138,000
055ENH-25	Dr. Paul Wilson	Nicholls State University	Preserving Threatened Communities in the Bayou Region: A Digital Humanities Project	Research	$22,249
056ENH-25	Dr. MaryAnne Candley	Northwestern State University	Multidisciplinary AI simulation lab Enhancing Research & Learning for the 21st Century Workforce	Education	$199,116
057ENH-25	Mr. Jonathan Clayton	Northwestern State University	Upgrading Image Creation Studios to Maximize Resources and Improve Student Experience	Education	$62,462
058ENH-25	Dr. Md Shahriar Hossain	Northwestern State University	Enhancing Industrial Robotics Education in Engineering Technology Degree Programs	Education	$72,500
059ENH-25	Dr. Rafiqul Islam	Northwestern State University	Development of Control Systems Labs Emphasizing on Electric Motor Control Lab.	Education	$99,916
060ENH-25	Prof. Andy Killion	Northwestern State University	CAPA [Creative and Performing Arts] Lighting Enhancement	Education	$189,007
061ENH-25	Dr. Oliver Molina	Northwestern State University	Replacement and upgrade of marching percussion instruments and equipment for the enhancement of the student experience and performance quality of various music ensembles and classes	Education	$199,375
062ENH-25	Dr. John Price	Northwestern State University	Enhancement of Group Piano Instruction using Updated Technology	Education	$74,525
063ENH-25	Dr. Daniel Rivera-Vazquez	Northwestern State University	Acquisition of Ductless Chemical Fume Hoods for Chemistry Undergraduate Laboratories and Outreach Activities at NSU	Education	$55,148
064ENH-25	Dr. Valerie Salter	Northwestern State University	Enhancement of the Undergraduate Hospitality Management & Tourism [HMT] and Culinary Arts Program	Education	$135,107
065ENH-25	Dr. Tara Tietjen-Smith	Northwestern State University	Creating a Pipeline to Success in Health and Physical Education: Engagement and Empowerment Initiative [EEI]	Education	$174,568
066ENH-25	Mrs. Jessica Veuleman	Northwestern State University	Savings in the Numbers: Empowering Students with Cost-Effective Tools	Education	$117,044
067ENH-25	Mr. Joel Matte	South Louisiana Community College	Aviation Maintenance Technology Program Modernization & Workforce Capitalization	Education	$107,037
068ENH-25	Dr. Angela Ellison	Southeastern Louisiana University	Integrating Advanced Educational Technology and Enhancing Curriculum Alignment in Teacher Preparation Programs at Southeastern Louisiana University	Education	$193,058
069ENH-25	Dr. Timothy Hudson	Southeastern Louisiana University	A Thin Client Virtual Math Lab	Education	$77,454
070ENH-25	Dr. April Kemp	Southeastern Louisiana University	Development of The Lions Share CoLab: A Central Space for Collaboration, Innovation, and Workforce Readiness	Education	$190,749

Proposals Submitted to the Departmental Enhancement Program - Targeted for the FY 2024-25 Review Cycle

Proposal Number	PI Name	Institution	Project Title	Primary Category	Amount Requested
071ENH-25	Dr. Paulo Regis	Southeastern Louisiana University	Bridging the Digital Divide: Equipping Workforce Development with Industry Based Certification Infrastructure	Workforce	$112,150
072ENH-25	Dr. Kuo-pao Yang	Southeastern Louisiana University	Empowering Innovation: Building a Cutting-Edge Software/Hardware Lab to Enhance Computer Education	Education	$119,863
073ENH-25	Dr. Chasse Duplantis	Southern University and A&M College - Baton Rouge	Empowering Future Musicians: Strengthening Instrument Inventory for Comprehensive Music Education	Education	$165,468
074ENH-25	Dr. Joseph Gaskin	Southern University and A&M College - Baton Rouge	Techno-math Revolutionizing Pedagogy and Student Success	Education	$199,995
075ENH-25	Dr. Nastassia Jones	Southern University and A&M College - Baton Rouge	Strengthening Understanding of STEM Methods for Educational Development [SU-SMED]	Education	$118,374
076ENH-25	Dr. Mathieu Kourouma	Southern University and A&M College - Baton Rouge	Boosting Natural Intelligence with Artificial Intelligence Tools to Enhance Computer Science Department Curriculum and Cross-Disciplinary Education at Southern University Baton Rouge	Education	$199,910
077ENH-25	Dr. Prabin Rai	Southern University and A&M College - Baton Rouge	Laboratory Facility Improvement in Organic Chemistry and Analytical Chemistry at Southern University and A&M College [SUBR]	Education	$118,501
078ENH-25	Prof. Lutfu Sagbansua	Southern University and A&M College - Baton Rouge	Establishing Integrated Supply Chain and Business Solutions Lab at Southern University and A&M College [SUBR], College of Business: A Strategy to Improve Learning Outcome, Enhance Student Success and Forge Partnership with the Industry	Education	$199,660
079ENH-25	Dr. Weihua Wang	Southern University and A&M College - Baton Rouge	Acquisition of a Benchtop NMR Spectrometer to Enhance Undergraduate Education and Research at Southern University and A&M College	Education	$129,081
080ENH-25	Dr. Krishna Poudel	Southern University at New Orleans	Practical and Experiential Learning Infrastructure Enhancement Proposal	Education	$81,270
081ENH-25	Dr. Tonya Rose	Southern University at New Orleans	ENHANCING STEM EDUCATION THROUGH PROFESSIONAL DEVELOPMENT AND LEARNING LABS	Education	$133,479
082ENH-25	Dr. Nebiat Sisay	Southern University at New Orleans	Technology Enhancement for the Department of Natural Sciences	Education	$84,315
083ENH-25	Dr. Yanjun Yu	Southern University at New Orleans	Computer Laboratory Enhancement with Artificial Intelligence Infrastructure	Education	$170,238
084ENH-25	Prof. Scott Grayson	Tulane University	Improving our size exclusion chromatography suite with three types of detection	Research	$153,933

Proposals Submitted to the Departmental Enhancement Program - Targeted for the FY 2024-25 Review Cycle

Proposal Number	PI Name	Institution	Project Title	Primary Category	Amount Requested
085ENH-25	Prof. Noshir Pesika	Tulane University	Acquisition of Thermal Conductivity and Mechanical Characterization Instruments to Enhance Research and Teaching at Tulane	Research	$140,623
086ENH-25	Prof. Daniel Straus	Tulane University	Acquisition of a Microfocus Mo X-ray Source and a Diamond Anvil Cell to Enable High-Pressure Single-Crystal X-ray Diffraction Measurements	Research	$199,215
087ENH-25	Prof. Yi Wang	Tulane University	Acquisition of a Laser-Ablation System for promoting research and education at Tulane	Research	$198,989
088ENH-25	Dr. Christoph Borst	University of Louisiana at Lafayette	Equipment for New Robotics Initiative in the School of Computing	Research	$129,951
089ENH-25	Dr. Farzad Ferdowsi	University of Louisiana at Lafayette	Advancing Experimental Learning Capacity in Autonomous Mobility	Education	$199,698
090ENH-25	Dr. Tori Flint	University of Louisiana at Lafayette	Qualitative Research Lab Enhancement	Research	$127,120
091ENH-25	Dr. Matthew Green	University of Louisiana at Lafayette	Equity and Inquiry Research Lab	Research	$66,368
092ENH-25	Dr. Li Hui	University of Louisiana at Lafayette	Acquisition of Advanced Hydraulic and Control Systems for Large-Scale Structural Testing System	Research	$163,529
093ENH-25	Dr. P. Io Ioannidi	University of Louisiana at Lafayette	Acquisition of a Particle Image Velocimetry System for Simulating Tectonic Processes and Advancing Research and Education	Research	$199,697
094ENH-25	Dr. Helen Kreamer	University of Louisiana at Lafayette	Ragin Cajun Writing Collaborative: Cultivating a Culture for Writing	Education	$107,377
095ENH-25	Dr. Shaopeng Li	University of Louisiana at Lafayette	Multidisciplinary Research Enhancement via Three-Dimensional Active Wind Generation	Research	$200,000
096ENH-25	Prof. Bingqing Liu	University of Louisiana at Lafayette	Enhancing Geoscience Facilities for Advanced Research and Development of Environmental Science in the Face of Climatic and Anthropogenic Stresses	Research	$155,576
097ENH-25	Dr. Geoffrey Stewart	University of Louisiana at Lafayette	Rural Economic Development Initiative	Education	$200,000
098ENH-25	Dr. Leigh Tolley	University of Louisiana at Lafayette	Utilizing Mentor Teacher Expertise to Support Teacher Retention in Louisiana	Education	$83,070
099ENH-25	Prof. Wu Xu	University of Louisiana at Lafayette	Acquisition of a time-resolved fluorescence spectrometer for enhancing current research and improving competitiveness for funding of additional projects	Research	$64,201
100ENH-25	Dr. Tyler Fricker	University of Louisiana at Monroe	Establishing a Monroe Micronet for Integrated Research and Education	Research	$82,622
101ENH-25	Dr. Marc Bonis	University of New Orleans	Enhanced Health Science Laboratory	Education	$88,754

Proposals Submitted to the Departmental Enhancement Program - Targeted for the FY 2024-25 Review Cycle

Proposal Number	PI Name	Institution	Project Title	Primary Category	Amount Requested
102ENH-25	Prof. Ariya Martin	University of New Orleans	Department of Fine Arts Enhancement to Visual Literacy	Education	$92,251
103ENH-25	Mr. jeffrey rinehart	University of New Orleans	The creation of a 3D Design Studio	Education	$132,298
104ENH-25	Dr. Tumulesh Solanky	University of New Orleans	A Pilot Program in Mathematics Instruction to Enhance Success and Persistence for Dual Remedial Students in Mathematics and English	Education	$82,190
105ENH-25	Prof. Mark Trudell	University of New Orleans	Acquisition of a Benchtop NMR Spectrometer for Enhanced Undergraduate Education and Research in Chemistry	Education	$142,338
106ENH-25	Prof. Phoebe Zito	University of New Orleans	The acquisition of a laser direct infrared imaging microscope to facilitate research, education, career readiness, and collaborations with regional academia, non-profit organizations and industry partners	Research	$200,000

Total Proposals Submitted	89
Total Funds Requested	$11,920,882

Appendix B
Departmental Enhancement Rating Form

Departmental Enhancement Rating Form

Goals/Objectives (10 Points) _____
To what degree are the goals clearly stated, reasonable, achievable, and related to the mission statement of the academic unit? To what degree are the objectives measurable and related to the goals?

Work Plan (20 Points) _____
To what degree does the proposal establish a compelling timeline for grant activities with a clear delineation of which team member is responsible for each task? To what degree does the work plan clearly establish the necessary tasks for achieving the project goals and objectives?

Impact (30 points) _____
How does the project affect the academic unit's faculty, students, infrastructure, curriculum, research capacity, recruitment, retention, etc. (as well as related academic units, the institution overall, the local community and the State if applicable)? To what degree is this impact related to the unit's near- and long-term priorities as stated in the mission statement?

Evaluation (10 Points) _____
To what degree is a plan established for evaluating the impact of the project with criteria based on specific metrics?

Sustainability (10 Points) _____
To what degree are the goals, impact, and individual budget requests sustainable beyond the life of the grant? To what degree are maintenance or sustainability plans established for equipment, software, supplies, as well as funds dedicated to staff, faculty, and graduate students?

Investigators (10 Points) _____
To what degree do the team members appear capable of implementing the work plan?

Budget 10 Points _____
To what degree is the budget efficiently crafted to maximize the project's impact? To what degree does the budget justification clearly explain the relationship of each individual request to the proposal's impact, goals, and work plan?

Total Score (out of 100) _____

OVERALL RATING OF PROPOSAL

POOR	FAIR	GOOD	VERY GOOD	EXCELLENT
_____	_____	_____	_____	_____

Total Funding Recommended:
Year 1: _____
Year 2: _____
Year 3: _____
Year 4: _____
Year 5: _____