



Appendix A-14: List of college student innovation and entrepreneurship projects

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	Project Name	Project Leader	Instructor
2024	Research on the Strengthening and Toughening Mechanism and Constitutive Relationship of Basalt Fiber Recycled Concrete	Li Zhixin	Wang Xinzhong
	Mechanical Performance and Reinforcement Scheme Comparison Design of Cracked Reinforced Concrete Simply - Supported Bridges	Yang Jiaxin	Zhou Shuming
	Damage Performance Evaluation of Reinforced Concrete Members under Earthquake Action	Xiong Yingyi	Wang Yukui
	Experimental Research on the Bonding Mechanism and Anchorage Performance of Locally Rust - Broken Prestressed Tendons	Zhang Yuanyang	Huang Guoping
2023	Research on the Bonding Performance between Corroded Steel Strands and Concrete in an Oxygen - Salt Erosion Environment	Li Chunhua	Li Hai
	Experimental Research on the Compressive Performance of Special - shaped Concrete - Filled Square Steel Tube Composite Columns	Peng Hao	He Ran
	Research on the Flexural Performance of Prestressed Concrete Members after Local Fracture of Steel Strands	Zhang Wenhao	Yang Rihua
	Research on the Shear - Bearing Performance of Demountable Studs in Prefabricated Steel - Page - like Ceramsite Concrete Composite Beams	Zhou Huibin	Zhang Zaihua
	Research on the Influence and Prevention of Continuous Groundwater Decline on the Foundation Settlement of Existing Buildings	Fang Weiqi	Peng Zhigao
	Research on the Shape Control Method in the Construction Process of Long - Span Concrete - Filled Steel Tube Arch Bridges	Wu Shuyao	Wu Yuexing
	Research on the Seismic Performance of Haunched Semi - Rigid Joints between Square Steel Tube Columns and H - shaped Steel Beams	Liu Jinjie	Zhang Dan
2022	Research on the Chloride Ion Transport Performance in the Interface Zone of Prefabricated - Cast - in - situ Concrete Structures in Coastal Areas	Sun Jinzhao	Yang Yiming



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	Research on the Performance - Based Seismic Design Method of Reinforced Concrete Members	Zhong Dou	Wang Yukui
	Research on the Strengthening Mechanism and Stress - Strain Full - Curve Equation of High - Performance Basalt Fiber Concrete	Han Jun	Wang Xinzhong
2021	Experimental Research on the Mechanical Performance of Reinforced Frame All - Light Ceramsite Concrete Composite Floor Slabs	Chen Yujuan	Mao Guangxiang
	Research on the Pure Bending Performance of Multi - Cavity Round - Ended Concrete - Filled Steel Tube Columns	Ji Haobo	Liu Jin
	Research on the Shear Performance of Corroded Reinforced Concrete under Different Shear - Span Ratios	Chen Shangkan	Li Hai
	Experimental Research on the Bond - Slip Performance of Corrugated Steel Plate Ceramsite Concrete	Chen Guangzheng	Xie Jin
	Research and Development of a Vacuum Saturation Device for Geotechnical Tests	Yang Aocheng	Peng Zhigao
	Structural Damage Detection Based on the Second - Order Covariance of Dynamic Strain	Yan Shichang	Li Miao
	Research on the Interface Bond Degradation Behavior and Deformation Calculation Method of CFRP - Strengthened Corroded RC Beams under Fatigue Load	Xu Peiyao	Tang Huang
2020	Research on the Performance of Shear Connectors in Prefabricated U - shaped Steel - Concrete Composite Beams	Liu Yang	He Ran, Li Jingchao
	Experimental Research on Prefabricated U - shaped Steel - Composite Beams under Negative Bending Moment	Wu Yusheng	Hu Zhangqi, Tian Yanxin
	Research on the Dynamic Characteristics and Bearing Capacity Performance of Profiled Steel Sheet - Ceramsite Concrete - Fiber - Reinforced Cement Board Composite Floor Slabs	Hu Guoxing	Zhang Zaihua