

Call for Proposals Undergraduate Research and Innovation (URI) Student Seed Grants Program: Fall 2022

(Click [here](#) to access the Fall 2022 URI Student Seed Grants Call for Proposals announcement)

URI Phase-1 Student Seed Grants: \$500 per project
URI Phase-2 Student Seed Grants: \$3,000 per project

URI Student Seed Grant Program Tracks:
Track-1 Technology/Product Development and Innovation
Track-2: Application Based Research

Proposer Day Workshop and Information Session
Hosted by URI External Advisory Board Members
(Information Session on Proposal Writing, Review Criterion and Submission)
September 15, 2022; 11.00 AM to 1.00 PM; Atrium, Student Campus Center
(Light lunch will be served)

Proposal Submission Deadline: October 17, 2022

URI Workshop for Student Proposal Presentations:
November 3, 2022; 2.00 PM – 5.00 PM; Ballroom A, Campus Center

NJIT 2025 Strategic Plan emphasizes on providing undergraduate students an outstanding education integrated with research and innovation experience to enable them to succeed and take leadership roles in the society. The Undergraduate Research and Innovation (URI) program has evolved as a significant part of the education and research experience at NJIT. The URI website <http://centers.njit.edu/uri/> summarizes undergraduate research and innovation opportunities with information about resources and competitions.

We are pleased to announce the Undergraduate Research and Innovation (URI) Student Seed Grant program. URI Phase-1 Student Seed Grants provide \$500 per project to pursue preliminary research or demonstrate an initial proof-of-concept/prototypes. URI Phase-2 Student Seed Grants provide up to \$3,000 per project to further pursue application-based research or develop a complete technology development prototype. Funds can only be used to order project supplies and prototyping through the Office of Undergraduate Research and Innovation. Phase-2 proposals may be submitted by former Phase-1 Student Seed Grant winners who have completed Phase-1 work, as well as new students who have a research or product idea that has shown the preliminary proof of concept, market assessment or application-based research to establish the

need, significance and basic approach. The student should prepare URI Student Phase-1 or Phase-2 Seed Grant proposals following the templates with [format and guidelines](#).

All project proposals must be submitted by **October 17, 2022**. Awardees will have access to funds to start the project as early as November 15, 2022 and will formally present progress report at the subsequent URI workshops. Each student team awardee is required to take a [lab safety training](#) (and a biosafety training, if applicable) and their advisors have to submit a completed EHS Undergraduates in Laboratories and Shops form before they will be given access to funds.

Special Funding Projects

Special funding is available for URI Phase-1 and Phase-2 projects in the following areas.

1. **Energy Monitoring:** The projects can focus in energy efficiency and monitoring covering one of more of the following topics:
 - o Development of hypotheses and analysis of the energy consumption data from Newark Public Schools (NPS) to determine possible course of action for NPS and other City buildings in Newark.
 - o Study of building energy and water systems in the government (state, city, county) buildings in Newark to make recommendations for Energy Efficiency Measures
 - o Piloting Noveda (<https://www.noveda.com/>) monitoring system in one multifamily city buildings in Newark to study the impact of data visualization on behavior.
2. **Architecture and Design:** In the interest of expanding the reach of the URI program, Manish Patel would like to sponsor a special category for students from the CAD. These projects should have a path to market and not be theoretical. To remain in sync with the “R” of URI, the research component of the projects can be demonstrated by how students did product research, market need research and competitive research. Phase-1 projects can focus on the proof of concept and feasibility of the design. Phase-2 projects can focus on product development that are in “Ready-to-Launch” phase. The design projects may include but not limited to the following areas:
 - o Architecture
 - o Digital Design
 - o Industrial Design
 - o Interior Design

Other areas of sponsored funding include medical devices, sensors, diabetes management and therapeutic intervention, sustainable systems, human-machine interface, human-computer interface, and data science and analytics.

Proposal Submission Deadlines

- Students working with a faculty member may submit **Track-1 Technology/Product Development and Innovation or Track-2: Application Based Research** proposals in the required format by **October 17, 2022**. Proposal Format Guidelines information are [here](#) and on the [URI website](#).

- Complete and submit the [Fall 2021 Student Seed Grant Application and Proposal Upload Form](#) by **October 17, 2022**. You must log-in using your UCID to access and submit the online Google form. You will need to have your research proposal ready to upload when you fill out the online application form.
- Finalists selected for URI workshop presentation will be announced by **October 25, 2022**. Finalists are required to present their project with a PowerPoint presentation to the External Advisory Board following the presentation format posted on the website at the URI Workshop on **November 3, 2022** at the Campus Center Ballroom A from 2.00 PM to 5.30 PM.

URI Student Seed Grants Proposer Day Workshop with Information Session

URI Student Seed Grants Proposer Day Workshop with information session on how to prepare the URI Student Seed Grant proposals will be held on **September 15, 2022 from 11.00 AM to 1.00 PM** in Atrium, Student Campus Center. URI External Advisory Board members will be available to discuss format requirements and review process for student seed grant proposals. Faculty advisors are also welcome to join the information session. The members of the URI External Advisory Board include:

Brian Kiernan, Angel Investor, Executive VP and Chief Scientist (ret), InterDigital Communications Corp. (<https://www.linkedin.com/in/brian-kiernan-a5636b11/>)

Govi Rao, Co-Founder, Carbon Group Global (<https://carbongroup.global/>)
(<https://www.linkedin.com/in/govirao/>)

Daniel Henderson, Serial Innovator and Entrepreneur, NJIT Board of Overseers, Joint Chief Executive Officer, Volobocce, LLC (<https://www.linkedin.com/in/daniel-a-henderson/>)

Leon K. Baptiste, Principal and CEO, LB Electric Co., LLC (www.LBElectricco.com)
(<https://www.linkedin.com/in/leon-baptiste-062101a5/>)

Nish Parikh, Founder and CEO, WebTeam Corporation (<http://www.webteamcorp.com>)
(<https://www.linkedin.com/in/nishparikh1/>)

Manish Patel, CEO, TrickyWater LLC (www.trickywater.com)
(<https://www.linkedin.com/in/manish-patel-innovate/>)

Peggy McHale, Principal, Pandi LLC (<https://www.linkedin.com/in/peggymchale/>)

Liz Miller, President, Summit Place Financial Advisors, LLC
(<https://www.linkedin.com/in/liz-miller-cfa-cfp-5100096/>)

Elizabeth Ackerman, Division of Economic Development and Energy Policy, Board of Public Utilities (<https://www.linkedin.com/in/elizabeth-ackerman-a2b30418/>)

Shashi Patel, Manager – Engineering, PSEG
(<https://www.linkedin.com/in/shashikant-patel-1073161b/>)

Ethan James, Programmatic Revenue, Operations and Strategy, The Atlantic

Marc Long, PhD, Vice President, Research & Development, [MTF Biologics](https://www.linkedin.com/company/mtf-biologics)
(<https://www.linkedin.com/in/marc-long-3bbb833/>)

Christian Guirnalda, Manager, Verizon 5G Labs
(<https://www.linkedin.com/in/christianguirnalda/>)

Andrea Colby, Esq., Principal, Pro Se, LLC
(<https://www.linkedin.com/in/andrea-colby-001ab2/>)

Kunal Shah, Global Head of Enterprise Architecture, Newmark (a subsidiary of Cantor Fitzgerald) (<https://www.linkedin.com/in/kunalrshah/>)

Alfredo Matos, President and CEO, A Z Matos, LLC
(<https://www.linkedin.com/in/alfredo-al-matos-bs-msee-mba-47abb627/>)

Expected number of awards: up to 15

Any questions about the program or Information Session should be directed to Senior Vice Provost for Research Atam Dhawan at dhawan@njit.edu.