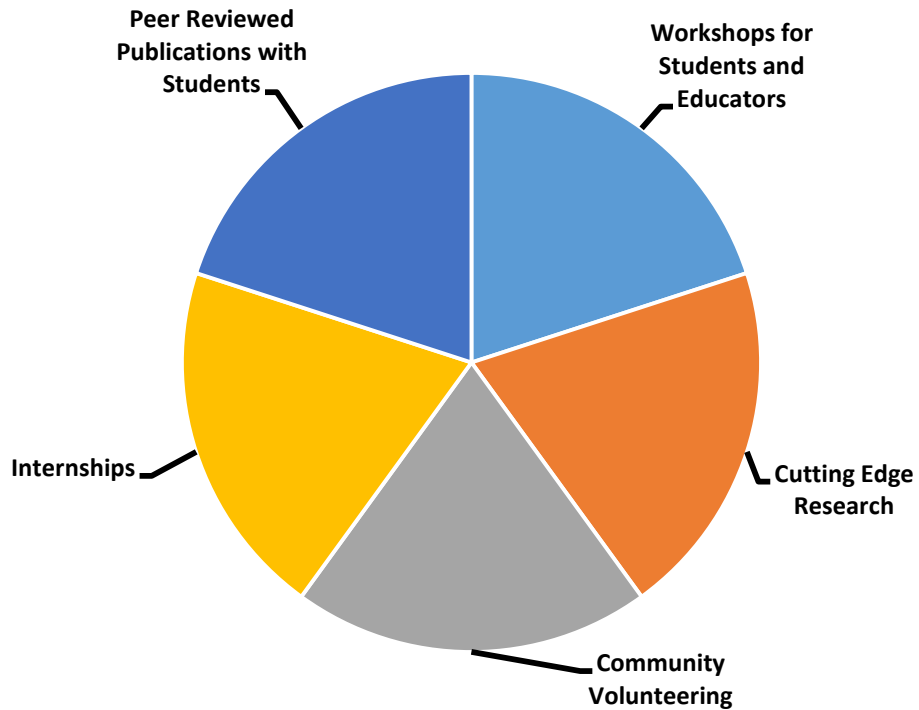


### BCC Geospatial Center of the CUNY Crest Institute Scholarly Activities



### **Goal 1: BGCCCI BUILDS A COMMUNITY OF EXCELLENCE.**

- Implement and carry out Workshops for Middle, High, and Undergraduate Students, as well as Professional Educators and members of the community.
- Provides opportunities for Graduate and Undergraduate students to work in BCC Geospatial Center of the CUNY Crest Institute and acquire workforce skills.
- Collaborates with an Industry consortium to design curricula, programs out-of-the-box Internships and career pathways.
- Designing, developing and introducing new and multidisciplinary courses/programs in geospatial technology.
- Fostering and Increasing Participation in Geospatial Technology and STEM for a diversity of underrepresented groups.

**See Link >>> <https://atecentral.net/msites/bhaskaran/fall2018>**

### **Goal 2: BGCCCI EMPOWERS STUDENTS TO SUCEED IN THEIR CHOSEN CAREERS OR HIGHER EDUCATION.**

- Guest Speakers from Industry relating to Geospatial Technology speak with Workshop participants regarding furthering education and career pathways.
- Allow student participation and hands on training in Geospatial Technology.
- Teach geospatial application skills, furthering knowledge in various areas with implications to further career and education paths.

**See Link >>> <http://www.bcc.cuny.edu/academics/geospatial-center-of-the-cuny-crest-institute/bgccci-advisory-board/>**

### **Goal 3: BGCCCI DEEPENS STUDENT LEARNING.**

- Conducting scholarly activities and cutting-edge research in areas of national priority.
- Training students in acquiring workforce skills by organizing summer institutes for school and college students.
- Creating innovative pathways in geospatial technology and career pathways.
- Publishing in peer-reviewed journals and proceedings of conferences.

**See Link >>> <http://www.bcc.cuny.edu/academics/geospatial-center-of-the-cuny-crest-institute/students-presentations-bcc-science-fair-2011-onwards/>**

See Link >>> <https://drive.google.com/file/d/1nc-Sdg8ac-mItN6YIWNN6yWWGKMxXnu/view>

#### **Goal 4: BGCCCI DEVELOPS WORLD CITIZENS.**

- Students conduct research using satellite data and geographic data on translational topics of global importance such as Urbanization, Land Cover, Feature Extraction, BIG Data analytics.
- Affiliated faculty and students at BGCCCI take part in Global Projects such as the Smarter Cities project with Australia.

See Link >>> <http://www.bcc.cuny.edu/academics/geospatial-center-of-the-cuny-crest-institute/official-launch-of-bgccci/>

#### **Goal 5: BGCCI CULTIVATES A 21<sup>ST</sup> CENTURY CURRICULUM.**

- Promotes education and research in emerging Geospatial Technology.
- Affiliated faculty at BGCCCI design curriculum that is focused on place-based, hands-on learning experiences that enhance spatial thinking and cognition in key areas of geographic information systems, remote sensing, and global positioning systems.
- Geospatial Pathway courses have a cumulative enrollment of approximately 300 students since fall 2015

See Link >>> <https://drive.google.com/file/d/1oL9u9llc5cbqVQkbpbaGorg3iyNq2sgn/view>

See Link >>>> <https://drive.google.com/file/d/1bJJCl2c0rQHauKWvVoOgsNVIQlzcj5Lv/view>

#### **Goal 6: BGCCCI ENHANCES THE CAMPUS ENVIRONMENT.**

- Promotes cutting-edge research using data from the office of Institutional research to create interactive user friendly spatial information systems.
- Show a replicable model of space and resource usage versus measurable outcomes.
- Use of the Geospatial Center in optimally carrying out workshops, and research.

See Link >>>> <http://www.bcc.cuny.edu/wp-content/uploads/2018/09/geospatial-projects.pdf>

## **Goal 7: BGCCCI PROMOTES A REPUTATION FOR EXCELLENCE.**

- Affiliated faculty and experts mentor students in cutting-edge research.
- Affiliated faculty conduct cutting-edge research that is published in peer-reviewed journals.
- Affiliated faculty has a high success ratio in securing grant funding from federal and private agencies.
- Affiliated faculty deliver presentations at departments to foster multi-disciplinary applied research.
- New curricula, programs, hands-on learning materials using industry standard suite of software and satellite data.
- Interns from other institutions conduct cutting-edge research
- Guest lectures by experts in the Industry.
- History of collaborating with an Industry consortium to create career pathways.
- Collaborate with all stake holders to increase participation of underserved communities and inclusiveness in geospatial technology.
- Hosts information sessions and workshops for visiting delegations including Fulbright Scholars, and dignitaries

See Link>>> <http://www.bcc.cuny.edu/academics/geospatial-center-of-the-cuny-crest-institute/about-bgccci-2-2/>

See Link>>> <https://atecentral.net/msites/bhaskaran/home>