Geospatial Education: Its Importance in Our Daily Lives, Business Field

Over the last two decades, researchers, teachers and curriculum developers have focused to design, test and evaluate the development of geospatial technology in the field of education. The innovators in the education sector have successfully created a more organized practice in teaching with location-based technology and mapping, using principles and methods that extend to enquiring in much authentic and meaningful ways. Along with this initiative, geospatial education is also becoming an essential step to educate common minds with the tools and a[placation of geospatial technology. Geospatial has reached into classrooms, pre-service programs, summer professional development courses and even beyond.

Typically, geospatial technology includes Global Positioning Systems (GPS), Geographic Information System (GIS), Remote Sensing, Image Analysis and other location-based technologies. These various tools and their understanding contribute to forming globally competent citizens. When you educate youth and adults with the information related to time and space, it offers opportunities to explore the interconnectedness and complexity if political, economic, ecological and social relationships.

Geospatial technology is a field that allows you to make most of the thinking skills to display, locate and analyze geographic information and understand its role in the evolving amount of place-based data. When we engage students in the field of geospatial development, it helps them realize how location affects power, perspective ad mainly our environment. With visual representation of patterns, they get to understand how a particular action in an area can affect a completely different part of the world.

Not just in terms of ecological field, but geospatial education can help to understand various fields that somehow relate to geographic information and location-based data.

GIS Education in the Business field

Spatial transformers will be playing a significant role in business success in the future. To ensure it helps in the success of businesses, executives today should adapt better ideas to groom the present and upcoming generation with geospatial skills.

Spatial business transformers are experts who understand the right use of spatial/location-based data to resolve challenges in business and grab new opportunities. They have a special set of skills such as a powerful grip on business strategy, understanding of the methods location-based intelligence supports in strengthening decision-making and enhance business and operational results.

GIS education in MBA Programs

While hiring an MBA graduate, business leaders can use GIS education as an important parameter by taking actions such as:

Talk about the idea of MBA programs, specifically your alma mater, on the type of training you want your recent grads to have

While hiring freshers MBA grads, search for a unique combination of business savvy and location awareness. You should also look for some specific terms in their resume like spatial analytics, location intelligence, GIS and location analysis/analytics.

Sit with your HR to develop a career path for new joiners with reference to spatial business analytics experience

In case your company offers formal training programs to new recruits for building future leadership opportunities, try having a position for a skilled spatial director/analytics with GIS education.

When you send out media outlets of your company, give special mention of the role location plays in the innovation of your business.

Have a detailed idea of the power of location-based data and use it well, so that students will find you.

Role of GIS in education

GIS or Geographic Information System offers a strong decision-making toolkit that can be applied to educational administration, instruction and education policy. It offers many administrators an ideal way to manage and visualize everything inside the campus, from monitoring activities, safety, mapping campus buildings, routing school buses, strategizing recruitment ideas, mapping cables and other infrastructure, planning the timings of schools and more. GIS allows educational planners with different tools to analyze patterns in educational achievement and the areas that need development.

In the context of instruction, GIS helps students understand various subjects, not just geography but the content in mathematics, language arts, history, chemistry, environmental studies, civics, biology and others. GIS can be used as a problem-solving, inquiry-driven, standards-based set of activities that includes fieldwork and provides different career opportunities that are in demand today. It allows students to think in a more critical way, use the real data and link it to their respective communities. It is done in primary, secondary, informal and university settings and is one of the main appealing factors for visual learners. The US Department of Labor for 21st century recognized Geotechnologies, in parallel to nanotechnologies and biotechnologies as the three typical skills and job markets.

Major Geospatial Courses

Geospatial technology is a wide industry with multiple education programs for students and professionals alike. Either you want to have a degree in geospatial technology or want to polish your skills as a GIS professional, there are many options available. You can join online courses such as Fundamentals of GIS, Imagery, Automation and Applications, Geospatial and Environmental Analysis and many more. There are many universities that are providing geospatial education and courses to young minds encouraging the value of geospatial in

education.