## Company Profile

List of Achievements & Success Stories of Brilliant Remote Sensing Labs Company in Global Education Development

#### **Our Global Education Development Projects include:**

- Learning Management Systems Development
- Courses Development for Postgraduates, undergraduates, and professionals in the fields of Remote Sensing Science and Space Technology
- University Curriculum Development
- K12 Education Development
- STEM Curriculum Development













#### **Brilliant Remote Sensing Labs**

Building no 1096, Apartment no 51 Zahraa Madinet Nasr, Cairo, Egypt

## **Remote Sensing Portal**

K-12 Space Science & Satellites Academy

#### Introduction.

Brilliant Remote Sensing Labs "BRS-Labs" is a Global Online Education Developer and Provider established in 2015 and rapidly developed a wide range of educational products. It is the first company worldwide that established an online learning management system specialized in Earth Observation and Satellite Image Processing that provides education, testing, and certification with trainees from more than 100 countries. It is titled the Remote Sensing Portal (our main website). We also developed other Global learning portals, such as the K12 Space Science & Satellites Academy, in addition to providing a professional Learning Management System "LMS" to the Egyptian Space Agency titled "EgSA Space Technology Portal".

BRS-Labs is a Winner of four awards in the fields of "Global Education", which are:

- Education Extravaganza 2021 Contest Winner
- Leading Expert in Remote Sensing & Satellite Image Processing 2020 Award for Excellence in Global Geospatial Education
- Leading Expert in Global Scientific Reputation Management 2021
- Best Remote Sensing Education & Testing Portal 2022

BRS-Labs Company is recognized as an authorised "<u>Developing Education Partner</u>" of "Hexagon's Geospatial Division". Also, our complete training program is <u>recommended</u> by Hexagon, and all <u>our certificates</u> have Hexagons' logo printed on them. In addition, we are authorized to offer FREE student licenses of ERDAS IMAGINE software to our students from all over the world during their studying period. Moreover, BRS-Labs is a <u>sustaining member</u> of the International Society of Photogrammetry and Remote Sensing (ISPRS) where we previously sponsored many <u>prizes</u> and <u>educational grants</u>.

BRS-Labs company is registered in Egypt at the General Authority for Investment "GAFI" - Tax ID: 575-191-929 as a provider of the following official activities:

- Scientific Research and Development projects for Sustainable Development purposes, projects that support space science & remote sensing, and modern technology projects.
- Establishment and Management of training centers for the qualification of researchers and information technology transfer centers.

You can find a wide range of our capacity-building products for undergraduates, postgraduates, and professionals at: <a href="https://remote-sensing-portal.com/pages/brochures/">https://remote-sensing-portal.com/pages/brochures/</a> and also for K12 education for school students at: <a href="https://k12-space-academy.com">https://k12-space-academy.com</a> Finally, a short video about us at this link.







Our young learners are undergraduates, postgraduates, and professionals from governmental organizations, academia, and research centers

#### from all over the world



Check the success story of teaching our Remote Sensing University Curriculum as a professional training subject in a sample University from this link.



















# List of Achievements & Success Stories of Brilliant Remote Sensing Labs Company

## in Global Education, Programming, and Development of Learning Management Systems for undergraduates, postgraduates, and K12 Education

#### First: Programming, Software and LMS Development Projects:

- Providing the United Nations World Food Program UNWFP with a wide capacity building program in Geoinformatics including an advanced module for mastering programming in the Geospatial field.
- Providing Las Vegas Water Valey District and Southern Nevada Water Authority
  with and advanced Geospatial Programming capacity building program titled
  "Remote Sensing Solution Developer".
- Developing an online Learning Management System for the Egyptian Space Agency
  under the title "EgSA Space Technology Portal". It includes 14 subsystems for
  managing global testing, secure certification, student support, courses
  dessimination, visitors' analysis and others.
- Developing an online Learning Management System for K12 Education. Its title is "K12 Space Science & Satellites Academy". It provided schools from 3 countries (Bosnia in Eastern Europe, Egypt, and Bahrain) with STEM curriculum, Extracurricular activities, and summer courses.
- Developing an online Learning Management System for teaching Remote Sensing Science and Satellite Image Processing to postgraduates, undergraduates, and professionals. Its title is "Remote Sensing Portal". Students from 116 countries enrolled to study in this global LMS and become certified.
- Providing system administration & Software maintenance for the Previous 3 LMS's.
- Providing Global Software Dessimination and IT customer support in ERDAS
   IMAGINE software (a software produced by Hexagon SIG, USA, for Satellite Image Processing) for students from all over the world who enrolled in the "Remote Sensing Portal".
- Achieving a Web-Security project to the Ministry of Agriculture in Egypt.

### **Second: Global Education Development Projects:**

Our education development projects cover developing education for all categories of students, such as [middle and high schools, undergraduates, postgraduates, professional and specialized education]. Our students and graduates cover Europe, Africa, Asia, North America, and Latin America. We have conducted more than 1500 exams on our online global examination halls, all our exams are monitored by our examboard in real-time using webcams and recorded for verification purposes.







We have offered more than 1000 education grants of short professional courses for postgraduates and undergraduates, most of them were delivered through the International Society of Photogrammetry and Remote Sensing ISPRS to students from more than 40 countries. Other educational grants have been given to governmental middle and high schools in Eastern Europe (in Bosnia and Herzegovina), and in Bahrain in collaboration with Bahrain Space Agency and the Ministry of Education in Bahrain.

#### The following are samples from our education programs:

#### A - Programs for K12 Education (for Middle & High Schools):

- Developing three <u>K12 Eductional School Programs</u> for middle and high school specialize in space and satellite technology. The **curriculum description** of our 3 programs/certificates is available in both <u>English</u> and <u>Arabic</u> and delivered to students with its testing system through our <u>K12 Space Science & Satellites Academy</u> website. The program has been delivered to the following schools:
  - Schools from Eastern Europe (from Bosnia & Herzegovina) studied our program as extracurricular activities.
  - Schools from Bahrain studied our program as summar courses. The program
    has been made in collaboration with Bahrain Space Agency and the Ministry
    of Education in Bahrain
  - The program has been given as a STEM curriculum for grade 10 in <u>IVY International Schools in Egypt</u>.
  - Individual students from more than 50 countries applied in our K12 program, lots of students' reviews has been collected in this link.
- Our Three K12 Educational Programs are:
  - Certified Junior Astranut (a space and satellite technology curriculum).
  - Certified Junior Satellite Image Analyst and Interpreter.
  - Certified Junior Satellite Image Processing & Remote Sensing Specialist.

#### **B – Undergraduates and Postgraduates Education Programs:**

Capacity development of human capital is the major aim and valuable goal of BRS-Labs, especially in the field of Earth Observations. <u>Brilliant Remote Sensing Labs Company (BRS-Labs)</u> offers a comprehensive training program suitable to all levels. It qualifies and develops young scientists, researchers, students, and practitioners in earth observation. Reaching a high level of proficiency in the usage of Remote Sensing tools will enable specialists from the entire world to apply these tools on several applications, such as Agriculture, Irrigation, Environment, Fishery, Natural resources, and others.

BRS-Labs is the first company worldwide that specialized in online education of Remote Sensing and Satellite Image Processing including education, testing, evaluation, and certification; all in one package, through its Remote Sensing Portal. We designed a complete training program in both Arabic and English languages that includes theoretical and practical







Remote Sensing courses. We issue specialized certificates for each course / training program after successfully passing the (theoretical / practical) parts of an evaluation exam.

#### Our achievement includes:

- Developing a <u>University Curriculum</u> in Remote Sensing Science for universities in both English and <u>Arabic</u> languages, with testing system and question bank.
- Our agreements and relationships with International / well-known organizations includes organizations such as: The International Society of Photogrammetry & Remote Sensing <u>"ISPRS"</u>, <u>Hexagon SIG</u> US Company, <u>Egyptian Space Agency</u>, Las Vegas Water Valley District, GeoUniversity, <u>Yarmouk University</u>, Arab Academy for Science, Technology and Maritime Transport <u>AASTMT</u>, the Jordanian <u>Society for Human and Environment</u> Development, and others.
- We enrolled students from <u>116 countries</u> working in esteemed organizations, such as: California Department of Transportation, New York University Abu Dhabi, International Council of Red Crescent, King Abdulaziz City for Science and Technology, Saudi Geological Survey, Ministry of Water Resources and Irrigation in Egypt, Ministry of Environment in Egypt, National Parks Service in USA, and many others

#### Our Educational programs include:

- <u>Certified Remote Sensing Specialist.. RSS<sup>TM</sup></u>: This program includes nine (9) short courses and leads to the qualification of RSS<sup>TM</sup> certificate.
- <u>Certified Remote Sensing Professional..</u> RSP<sup>TM</sup>: This program includes four (4) short courses and leads to the qualification of RSP<sup>TM</sup> certificate.
- <u>Certified Remote Sensing Solution Developer..</u> RSSD<sup>TM</sup>: This program includes three (3) short courses and leads to the qualification of RSSD<sup>TM</sup> certificate.
- <u>Certified Trainer:</u> Once completed, this option allows specialists and professionals to teach the BRS-Labs curriculum in their universities or organizations.
- <u>Certified Training Center:</u> Once completed, this option allows private training centers, faculties, and university departments to become certified training centers.
- Brochure of our University Curriculum available in these links in <u>English</u> and <u>Arabic</u>, our students review in <u>this link</u>.

#### **C – Professional and Specialised Education programs:**

#### Our specialised educational programs include:

- Oil & Gas Exploration Course.
- Mineral & Natural Exploration Course.
- <u>Safety in mountains and desert crossing Pilot Project</u>. An Off-Road Trafficability solution for teams working in desert, such as Exploration of Oil & Gas, Rallies, and Safaris, for production of maps that shows the suitability of land for vehicle crossing.







#### **D** – Developing online education based on Our Education Standard:

- The Egyptian Space Agency has completed a full educational Joureny based on our education standard and methodology. They have developed 18 online courses after studying our instructional designer certificate.
- <u>Certified Online Courses Developer Certificate (Instructional Designer Certificate)</u>: To qualify your organization's team to develop high quality online courses by themselves and in their profession based on BRS-Labs' online education standard that assures high video lectures quality. It is a 5 days' workshop followed by two weeks final project. The developed lectures can then be uploaded to specialized educational portals; which can be also offered by BRS-Labs upon request.
- Offering organizations a "<u>Certified Online Courses Developer Organization</u>"
   Certificate upon achieving the previous step and starting Courses production. The Egyptian Space Agency has received this certificate from BRS-Labs.

### **Learning Management Systems Developed by us:**

K12 Space Science & Satellites Academy: For middle and high schools (11 to 18 years old):



Remote Sensing Portal: For postgraduates, undergraduates, and professionals:

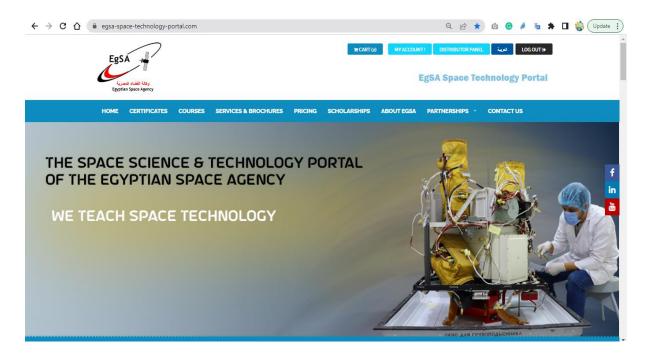






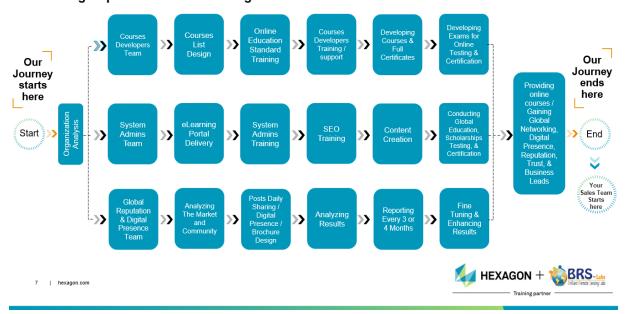


EgSA Space Technology Portal: A global LMS Developed by us to the Egyptian Space Agency:



The Full Education Development Process offered to the Egyptian Space Agency:

We offer Organizations a <u>Full Journey</u> for Global Education, Content Creation, SEO Superiority, Generating Reputation and Global Digital Presence`



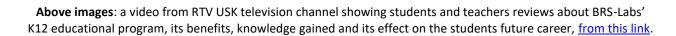






## Check how happy our school students are











#### Part of Our Awards:

 Middle East Africa Markets has awarded BRS-Labs the award of "Leading Experts in Remote Sensing & Satellite Image Processing" for Excellence in Global Geospatial Education.



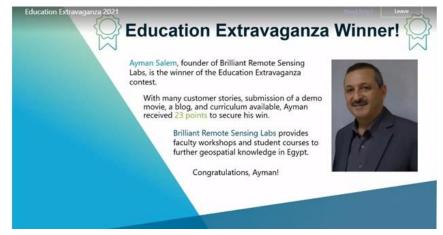
 BRS-Labs has won "Best Remote Sensing Education & Testing Portal 2022" by Corporate Vision Magazine.



Brilliant Remote Sensing Labs

Best Remote Sensing Education & Testing Portal - Egypt remote-sensing-portal.com

BRS-Labs has won Hexagons' global competition of Geospatial Education, "Extravaganza 2021".









## BRS-Labs Agreements / Relationships and the Global Coverage of its students and education:

#### **ISPRS Sustaining Member.**

BRS-Labs is currently the <u>first</u> Egyptian <u>sustaining member</u> of International Society of Photogrammetry and Remote Sensing (ISPRS) and the only one till the date of issuing this document (check the <u>Sustaining members list</u>). Also, BRS-Labs has previously sponsored many <u>prizes</u> and <u>educational grants</u> in coordination with ISPRS in 2018.

The ISPRS has published that BRS-Labs offered educational grants **valued \$27,900** to the ISPRS Foundation for **115 trainees** from **40 countries**. This has been published on their e-bulletin dated June 2018 in page no 3 at this link. Our official sustaining membership page on ISPRS website is available at this link.

The following are screenshots from the ISPRS Website regarding our educational grants:

The ISPRS Foundation (TIF) News



#### Resounding Success of Brilliant Remote Sensing Labs FZ LLE Awards in 2018

On the occasion of becoming a new Sustaining Member of ISPRS, Brilliant Remote Sensing Labs FZ LLE offered The ISPRS Foundation (TIF), study grants from the Remote Sensing Portal to worthy participants, for all or a selection of the ERDAS IMAGINE software training courses.

A total number of 115 trainees from 40 countries enrolled in the courses through the ISPRS

Foundation website. There were 56 academic trainees, and 59 non academic trainees. Professions of the trainees were: Agriculturalists, Computer Engineers, Environmentalists, Geographers, Geologists, GIS Specialist, Petrologists, Remote Sensing Specialist, Soil Specialists, Surveyors, Urban Planning, others.

15 trainees selected no. 1 entitled 'Space Science and Satellites Overview for General Managers & Supervisors'; 51 trainees selected course no. 2 entitled 'Remote Sensing Fundamentals'; and 49 trainees selected course no.5 entitled: 'Satellite Images Visual Interpretation'. Duration of the offer was two months.

The total value to The ISPRS Foundation of the 115 courses, according to Brilliant Remote Sensing pricing page was \$27,900 which was happily offered to the Geospatial community by Brilliant Remote Sensing. The ISPRS Foundation wishes to thank Brilliant Remote Sensing Labs for this generous offer, which was clearly well received by the trainees.



TIF ExCom Stewart Walker (SW) Chair, Board of Trustees John Trinder (JT) Operations Officer Marguerite Madden (MM) Finance Officer



The Executive Committee of The ISPRS Foundation (TIF) is very pleased to announce the

2018 Brilliant Remote Sensing Labs FZ LLE Awards

On the occasion of becoming a new Sustaining Member of ISPRS, Brilliant Remote Sensing Labs FZ LLE, are happy to offer to The ISPRS Foundation (TIF), study grants from the Remote Sensing Portal to worthy participants, for all or a selection of the following ERDAS IMAGINE software training courses:

Above Images: samples from what has been published by ISPRS regarding BRS-Labs' educational grants



#### ISPRS Announcements



TIF ExCom Stewart Walker, Chair, Board of Trustees John Trinder, Operations Officer Marguerite Madden, Finance Officer



The Executive Committee of The ISPRS Foundation (TIF) is pleased to announce a further offer of Brilliant Remote Sensing Labs Free Online Video Courses

On the occasion of signing a Developing Education Partnership agreement with Hexagon Geospatial. Brilliant Remote Sensing Labs is pleased to offer the "Remote Sensing Course + ERDAS Imagine software" to the first 20 Applicants who apply through the website https://remote-sensing-portal.com/account/register/ which is also listed below. The offer includes the following:

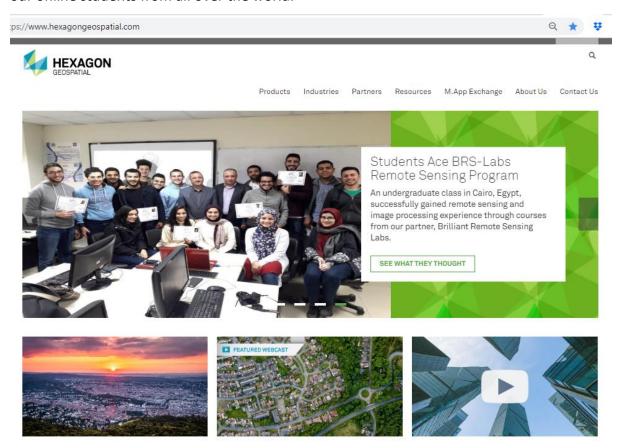






#### Hexagon SIG Training Partner/Developing Education Partner.

BRS-Labs Company is recognized as the <u>first</u> "<u>Developing Education Partner</u>" of "Hexagon Geospatial" (currently Hexagon SIG). Also, our complete training program is <u>recommended</u> by Hexagon Geospatial, and all <u>our certificates</u> have Hexagons' logo printed on them. In addition, we are authorized to offer FREE student licenses of ERDAS IMAGINE software to our online students from all over the world.



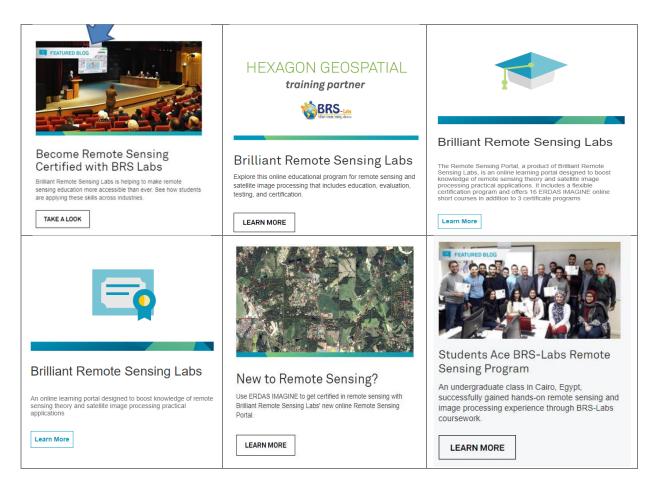
**Above Image:** An Image published on the top of Hexagon Geospatial's website in 2019 showing the success of our students at the Arab Academy of Science, Technology & Maritime Transport AASTMT Several links published on Hexagon SIG website & blog are inviting people to become certified in Remote Sensing using BRS-Labs courses, the following are some examples:

- BRS-Labs Page at Hexagon: https://www.hexagongeospatial.com/industries/education/brilliant-remote-sensing-labs
- Hexagon announces a Developing Education Partnership with BRS-Labs company: <a href="https://blog.hexagongeospatial.com/developing-education-with-brilliant-remote-sensing-labs/">https://blog.hexagongeospatial.com/developing-education-with-brilliant-remote-sensing-labs/</a>
- An Article titled "successful undergraduate class at AASTMT in Cairo": from this link
- An article about inviting people to become Remote Sensing Certified with BRS-Labs courses: From this link
- BRS-Labs reference ads. on Hexagon Education page: https://www.hexagongeospatial.com/resources/resource-library/education-programs
- Education FAQ: https://bynder.hexagon.com/m/5395c89960368c02/original/Hexagon GSP HexagonGeospatial U FAQ.pdf









**Above Image**: Images for Invitations published on Hexagon Geospatial website to encourage their customers to become certified in Remote Sensing with BRS-Labs courses

#### **Egyptian Space Agency.**

Brilliant Remote Sensing Labs has been selected by the Egyptian Space Agency in 2020 to build its Space Science & Technology Educational Portal, and to qualify its team to become Certified Online Courses Developers.



**Above Image**: The Egyptian Space Agency's Team, CEO, and BRS-Labs CEO celebrating receiving BRS-Labs'
Certificates of their "Online Courses Development" course







#### **BRS-Labs Professional Educational Portal**





**Delivering a Professional Global Educational Portal** to the Egyptian Space Agency

#### **System Components**

- Online Education System.
  Online Examination System Online Examination System [includes. Question Bank, Simulation Exam, Students' Monitoring by Webcams, and Exam Chat].
  Online Certification System [includes Certificate Verification & QR code issuing].
  Online Students Support System based on Proceedings of the Communication of the C

- Discussion Forums linked with FAQ page. Online Payment & Billing System. Distributors Management System
- Distributors Management System for Marketing the courses.
  Students Database & Statistics System [includes applying students' countries & courts on Google Maps].
- Global Needs Indicator System .. GNI Advanced Analysis System for pages' visits.
- News & Media System
- 11. Dynamic System for content management & development.
- 12. SEO System
- 13. Possibility of Linking with other Websites.
- Exam Questions Automated Data Entry.
   Training in Online Courses Development & System Administration

Above: BRS-Labs' Director (on the right) delivering a Professional Educational Portal to the Egyptian Space Agency Deputy CEO (on the left)



Above Image: BRS-Labs' Director received a gift from the Egyptian Space Agency's CEO for BRS-Labs' performance



Above Image: One of BRS-Labs' Certificates offered to the Egyptian Space Agency's team

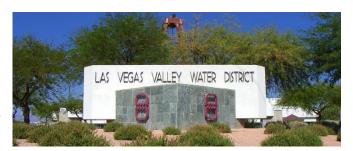






#### Las Vegas Valley Water District.

Brilliant Remote Sensing Labs (BRS-Labs) signed a one year agreement with "Las Vegas Valley Water District" in April 2018 as a "Consultant". Under this agreement the employees of "Las Vegas Valley Water District" acquired Online Remote Sensing and Satellite Image Processing Training from BRS-Labs.



#### GeoUniversity.

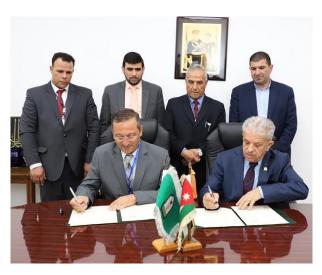
GeoUniversity and BRS-Labs have signed an agreement in 2018 for cooperation in Geospatial Training and advertising both parties' courses. Under this agreement, BRS-Labs has received a request for development of a course titled "ERDAS IMAGINE Fast Track online Training Course" for GeoUniversity. Geo University is a European company that offers academic lectures to students, professionals, decision makers and scientists in the fields of GIS (Geographical Information Systems) and Earth Observation.



#### Yarmouk University & Queen Rania Center for Jordanian Studies.

Yarmouk University, Irbid, Jordan has signed a partnership protocol with BRS-Labs in 2019. Under this protocol our training program was planned to be taught as part of the academic curriculum of the "MSc in Geoinformatics" degree program that Yarmouk University was

preparing to launch. Also, it was planned to qualify the university's "Queen Rania Center for Jordanian Studies and Community Service" to become a **Certified Training Center** to teach BRS-Labs' training program and Remote Sensing Curriculum on-site. The plan includes also qualifying three academic staff members to become **Certified Trainers** as well as qualifying the university students to become **Remote Sensing Specialists**. Details of this protocol are on the Universities website at <a href="this link">this link</a>. However, due to COVID-19 epidemics, the processing of this protocol has stopped.



**Above Image:** The President of Yarmouk University, Prof. Zeidan Kafafi, and the Executive Director of BRS-labs, Eng. Ayman Ahmed Salem, signed a cooperation protocol between the two sides in the field of remote sensing and satellite image processing training







#### Arab Academy for Science, Technology and Maritime Transport "AASTMT".

The faculty of Computer Science at the Arab Academy of Science, Technology, and Maritime Transport (AASTMT) taught BRS-Labs Remote Sensing University curriculum to more than 100 undergraduate students during the Academic years 2018/2019 & 2019/2020. The curriculum is presented on campus by BRS-Labs' instructors as a part of the academy's **Professional Training subject** curriculum. More Details about this success story with photos for students, certificates, and final projects are in this link. An Article about this success story published by Hexagon Geospatial on this link. Note: This endeavor has stopped because the professional training subject has been changed by the faculty into 4 semesters instead of one, and we can't offer instructors for 4 semesters.







**Above Images:** Part of our students at AASTMT with their instructors during celebrating receiving their Remote Sensing certificates







#### The Jordanian Society for Human and Environment Development.

The Jordanian Society for Human and Environment Development has signed a cooperation protocol with BRS-Labs in 2019. The protocol concerned with Remote Sensing Training and offering them special prices as a nonprofit environmental organization. Image on the right shows Dr. Khaled El-Sebaey the responsible of the society activity while signing the protocol with Ayman Salem Brilliant Remote Sensing Labs Director.



#### Announcing The Global Geospatial Scholarship at the Library of Alexandria.

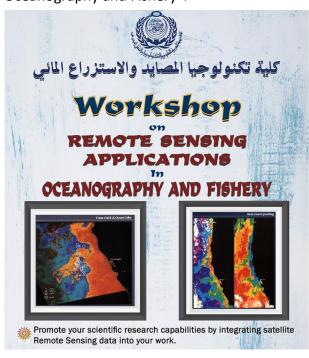
In 2019, at the Library of Alexandria; and during celebrating 100 years since establishing the National Institute of Oceanography and Fishery, Brilliant Remote Sensing Labs announced its GLOBAL GEOSPATIAL SCHOLARSHIP. The scholarship is dedicated to mastering Remote Sensing and Satellite Image Processing for undergraduates, postgraduates, and academic staff members in developing countries.

**Right:** An image for announcing the Global Geospatial Scholarship by Ayman Salem, the Executive Director of BRS-Labs at the Library of Alexandria



#### Part of our Workshops.

BRS-Labs offered workshops in several topics such as "Remote Sensing Career and employments", "Remote Sensing Education", and "Remote Sensing Applications in Oceanography and Fishery".











#### **BRS-Labs Global Coverage.**

BRS-Labs have enrolled more than **1000 trainees** from **114 countries**, and conducted more than **800 Exams** and issued their certificates, including hundreds of scholarships offered to the Geospatial community.



Above Image: A map showing the coverage of BRS-Labs' online student and users

#### **Sponsoring International Conferences.**

BRS-Labs has sponsored conferences or offered prizes for best papers or posters in several conferences & contests such as:

- ISPRS Geospatial Week 2017, China.
- Modern Geographic Changes 2019, Jordan. (Golden Sponsor)
- Coast to Ocean Priority Actions & Investments Conference 2019, Alexandria.
- Hexagon Geospatial Edu Contest 2018, Hexagon Geospatial, Online Contest

#### Sample of our Certificates.





**Above Images:** Samples of our Certified Remote Sensing Professional Certificates and our Certified Remote Sensing Specialist Certificates







#### Our Exam Board and students' database.

Our database includes more than 2000 registered user, including more than 1200 registered students who have studied at least one course, in addition to more than 1500 exams have been conducted up till the date of issuing this document. Our Exam Board control panels used to monitor our trainees during their exams, chat with them whenever needed, and to control the entire exams. We haven't published photos here to present our database or conducted Exams since it includes our students' personal info and photos during exams.

#### Our Top Ranking on Google Search Engine.

The image below is from Google analytics. It shows our global outreach, since although our profession represents niche market, our Educational website "<u>The Remote Sensing Portal</u>" has appeared in Google search engine more than 30K times during a period of one month only which is October 2020. Also, it shows that 12 pages from our website have appeared in the top position of search results.



**Source:** Google Analytics

Finally, this document showsparts of our efforts in spreading our educational programs through our learning management system, in addition to spreading the knowledge of Remote Sensing Science and its applications, hoping to benefit the our students everywhere.





