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## **MULTISPECTRA CONSULTANTS**

*CIVIL ENGINEERING, SOFTWARE ENGINEERING  
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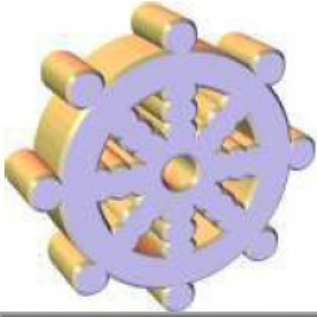
**ENGINEERING FOR A BETTER TOMORROW**

**MULTISPECTRA CONSULTANTS** is a company engaged in the business of Civil Engineering and Software Engineering. MultiSpectra Consultants operates in all areas of Civil Engineering and Software Engineering and has carved out a niche for itself in finding research-based solutions to Civil Engineering problems. MultiSpectra Consultants is also developing an online platform for Civil Engineers and Architects to interact. MultiSpectra Consultants is owned by Dr. Amartya Kumar Bhattacharya who is its Chairman and Managing Director. Dr. Amartya Kumar Bhattacharya is an Indian Passport-holder but with ancestors hailing from south-eastern Bangladesh. MultiSpectra Consultants is a member of the Diwan Bahadur Banga Chandra - Dr. Amartya Kumar Bhattacharya Group of Companies; the other Companies in the Group being MultiSpectra Global, MultiSpectra Consultants Asia, MultiSpectra Technologies, MultiSpectra Aqua, MultiSpectra, Inc., MultiSpectra Bangladesh and MultiSpectra Tripura.

MultiSpectra Consultants is a technology-enabled Civil Engineering company that does business using modern technology and lean management techniques to the utmost extent. MultiSpectra Consultants reduces capital expenditure by various methods - using free and open source software ( FOSS ) extensively instead of proprietary software is just one example. MultiSpectra Consultants uses software like LibreOffice, Apache OpenOffice, Scribus, GNU Image Manipulation Program, Inkscape, and so on instead of their proprietary equivalents to minimise business expenses. Intellectual capital is given great importance by MultiSpectra Consultants in its endeavour to develop innovative business solutions.

In a relatively short period of time, MultiSpectra Consultants has got considerable brand equity. This has been achieved largely through content marketing and projection of expertise in the concerned field through international and national journal papers, international and national conference papers, blogging in reputed international web platforms like LinkedIn, WordPress, Google Blogger, Medium, Weebly, just to name a few. Vigorous activity on academic networks like Aca-

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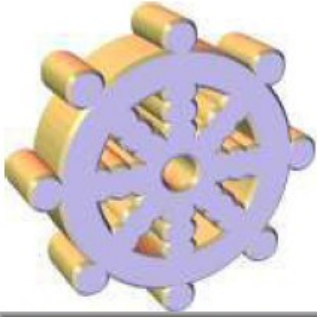
demia.edu, ResearchGate and Mendeley, as also on general networks like Facebook, Twitter, Tumblr and Google Plus, is also a part of the strategy of MultiSpectra Consultants.

MultiSpectra Consultants uses a lean management technique where the services offered by the company are iteratively improved and scaled-up. Linking experienced senior engineers, technologists and scientists with junior engineers and engineering students is an integral part of developing agile solutions where the experienced senior engineers, technologists and scientists can provide thought leadership and junior engineers and engineering students can learn from them and put in their dynamic hard work to materialise innovative engineering solutions.

One of the programmes of MultiSpectra Consultants is called MULTISPECTRA SPARK. The details of MULTISPECTRA SPARK are given below. This programme allows senior engineers, technologists and scientists to be affiliated to MultiSpectra Consultants on a profit-sharing or commission basis, not on a salaried basis. Such senior engineers, technologists and scientists are expected to be involved in lead-generation as well as in project execution. In addition, MultiSpectra Consultants has a vibrant educational programme for students and young engineers called MULTISPECTRA EDGE. The details of MULTISPECTRA EDGE are also given below.

One of the objectives of MULTISPECTRA EDGE is to develop a spirit of entrepreneurship among students and young engineers. Under the MULTISPECTRA SPARK programme, the profit-sharing or commission depends on the quantum of work. Just as one of the objectives of MULTISPECTRA EDGE is to develop a spirit of entrepreneurship among students and young engineers, one of the objectives of MULTISPECTRA SPARK is to develop a spirit of entrepreneurship among senior engineers, technologists and scientists.

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MultiSpectra Consultants operates in the following areas:

Hydraulics;

Hydrology;

Water Resources Engineering;

Geotechnical Engineering;

Structural Engineering;

Environmental Engineering;

3rd Party Quality Control / Quality Assessment ( QC/QA );

Project Management Consultancy;

Landscape and Interior Designing;

Civil Engineering Research and Development ( R&D );

Civil Engineering Education and Training;

Software Engineering;

Cloud Computing.

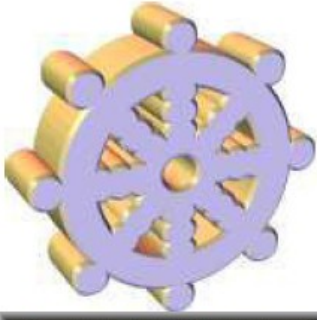
An agile and scalable business model is used by MultiSpectra Consultants to cater to a global clientele. There is no limit to the number of 'affiliates' under the MultiSpectra Spark and MultiSpectra Edge programmes. This ensures scalability.

As the number of 'affiliates' under the MultiSpectra Spark and MultiSpectra Edge programmes has grown, the output of MultiSpectra Consultants has increased.

'Affiliates' under the MultiSpectra Spark and MultiSpectra Edge programmes work in geographically separated clusters. Latest collaboration and communication methods are used by 'affiliates' to collaborate. MultiSpectra Consultants blends cutting-edge collaboration and communication methods with Civil Engineering and Software Engineering practice.

Clientele served by MultiSpectra Consultants:

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- Civil Engineering and Construction Companies;
- Software Companies;
- Government Organisations;
- Individual Clients.

MultiSpectra Consultants is registered with the Ministry of Micro, Small and Medium Enterprises, Government of India, and bears Udyog Aadhaar Number WB10D0001890.

MultiSpectra Global, a wholly-owned subsidiary of MultiSpectra Consultants, is registered with the Ministry of Micro, Small and Medium Enterprises, Government of India, and bears Udyog Aadhaar Number WB10D0011100.

MultiSpectra Consultants Asia, a wholly-owned subsidiary of MultiSpectra Consultants, is registered with the Ministry of Micro, Small and Medium Enterprises, Government of India, and bears Udyog Aadhaar Number WB10D0002852.

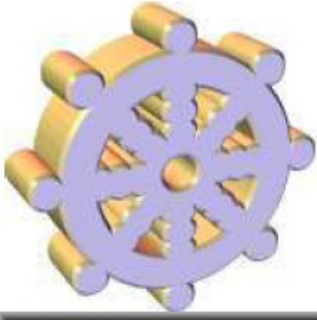
MultiSpectra Technologies, a wholly-owned subsidiary of MultiSpectra Consultants, is registered with the Ministry of Micro, Small and Medium Enterprises, Government of India, and bears Udyog Aadhaar Number WB10D0011153.

MultiSpectra Aqua, a wholly-owned subsidiary of MultiSpectra Consultants, is registered with the Ministry of Micro, Small and Medium Enterprises, Government of India, and bears Udyog Aadhaar Number WB10D0011725.

MultiSpectra, Inc., MultiSpectra Bangladesh and MultiSpectra Tripura are wholly-owned subsidiaries of MultiSpectra Consultants.

MultiSpectra Consultants bears a ZED ID of ZEDQCI396941 with the Ministry of Commerce and

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Industry, Government of India.

MultiSpectra Consultants has a Permanent Account Number (PAN) of ADTPB5006B and a Tax Deduction and Collection Account Number (TAN) of CALA23411D with the Income Tax Department, Government of India.

MultiSpectra Consultants has a Goods and Services Tax Number (GSTIN) of 19ADTP-B5006B1ZW with the Central Board of Indirect Taxes and Customs, Department of Revenue, Ministry of Finance, Government of India.

MultiSpectra Consultants is a registered Training Partner of the National Skill Development Corporation, Ministry of Skill Development and Entrepreneurship, Government of India.

MultiSpectra Consultants has been accorded the status of a Recognised Startup by the Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India.

MultiSpectra Consultants is registered with the Micro, Small and Medium Enterprises Department, Government of Odisha, India.

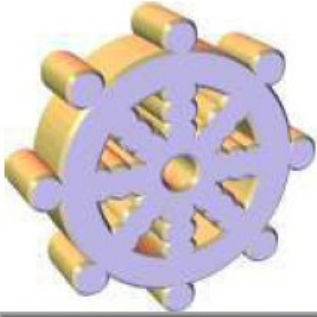
MultiSpectra Consultants is registered as an Offshore Company with Government of United Arab Emirates.

MultiSpectra Consultants is registered with the Ministry of Industry, Government of Nepal, under Company Category 0200.

MultiSpectra Consultants is a Member of the Startup Europe Partnership (SEP).

MultiSpectra Consultants is a Member of the Startup Europe India Network (SEU-IN).

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MultiSpectra Consultants is a Member of Startup Lithuania, Startup Canada and Startup Thailand.

MultiSpectra Consultants is a Member of the Open Invention Network and the LOT Network.

MultiSpectra Consultants is a Member of the World Intellectual Property Organization and is enlisted in the database of experts in WIPO ( World Intellectual Property Organization ) GREEN.

MultiSpectra Consultants is a Member of the Indian Institute of Management Kozhikode Laboratory for Innovation Venturing and Entrepreneurship (IIMK LIVE).

MultiSpectra Consultants is a Member of the India Brand Equity Foundation.

MultiSpectra Consultants is a Patron Member of the Confederation of Micro, Small and Medium Enterprises, Federation of Indian Chambers of Commerce and Industry.

MultiSpectra Consultants is a Member of the National Association of Software and Services Companies (NASSCOM).

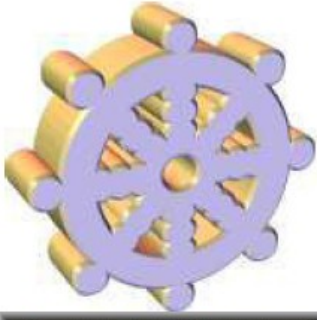
MultiSpectra Consultants is a Member of the Association of Micro, Small and Medium Enterprises in Information Technology (AIM-IT).

MultiSpectra Consultants is a Member of Laghu Udyog Bharati.

MultiSpectra Consultants is a Member of the Federation of Small and Medium Industries (FOSMI).

MultiSpectra Consultants is the recipient of a Certificate of Appreciation from the Indian Institute of Management Calcutta Innovation Park and the Department of Science and Technology, Gov-

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ernment of India, for being one of the winning startups in the 'SMART FIFTY 50 Solutions to Transform India' contest.

MultiSpectra Consultants is the recipient of two awards, one given by Amazon Web Services and the other given by IBM, for innovation in engineering.

MultiSpectra Consultants is an Affiliate of Microsoft, Google, Adobe, Amazon, Corel, Oracle, IBM, Bentley Systems, Cisco, Citrix, WinRAR, Aqua-Aero Watersystems BV and other global companies.

MultiSpectra Consultants is looking for agents in countries in the Asia-Pacific region, in particular in Nepal, Bhutan, Bangladesh, Sri Lanka, Myanmar, Thailand, Malaysia, Singapore, Laos, Cambodia and Vietnam. Expressions of interest may be directed to the undersigned at [dramartyakumar@gmail.com](mailto:dramartyakumar@gmail.com).



MultiSpectra Consultants supports

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STARTUP LITHUANIA



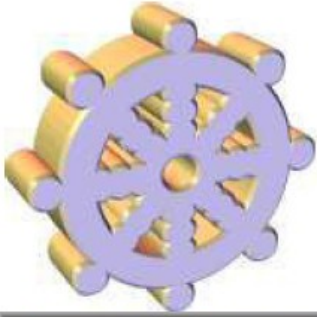
AIT

Asian Institute of Technology, and



झारखण्ड केन्द्रीय विश्वविद्यालय  
Central University of Jharkhand  
(Established by an Act of Parliament of India, 2009)

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**MultiSpectra Consultants is not a traditional Civil Engineering company. It does not intend to become one.**

**For and on behalf of MultiSpectra Consultants,**

*AK Bhattacharya*

**Dr. Amartya Kumar Bhattacharya**

BCE (Hons.) ( Jadavpur ), MTech ( Civil ) ( IIT Kharagpur ), PhD ( Civil ) ( IIT Kharagpur ), Cert.MTERM ( AIT Bangkok ), CEng(I), PEng(I), CEng, FASCE (USA), FICE (UK), FIE, FACCE(I), FISH, FIWRS, FIPHE, FIAH, FAE, MIGS, MIGS – Kolkata Chapter, MIGS – Chennai Chapter, MISTE, MAHI, MISCA, MIAHS, MISTAM, MNSFMFP, MIIBE, MICI, MIEES, MCITP, MISRS, MISRMTT, MAGGS, MCSI, MMBSI

**Chairman and Managing Director, MultiSpectra Consultants** ( MultiSpectra Consultants is registered with the Ministry of Micro, Small and Medium Enterprises, Government of India, and bears Udyog Aadhaar Number WB10D0001890 )

**Chairman and Managing Director, MultiSpectra Global** ( Udyog Aadhaar Number WB10D0011100 )

**Chairman and Managing Director, MultiSpectra Consultants Asia** ( Udyog Aadhaar Number WB10D0002852 )

**Chairman and Managing Director, MultiSpectra Technologies** ( Udyog Aadhaar Number WB10D0011153 )

**Chairman and Managing Director, MultiSpectra Aqua** ( Udyog Aadhaar Number WB10D0011725 )

**Chairman and Managing Director, MultiSpectra, Inc., MultiSpectra Bangladesh and MultiSpectra Tripura**

( Diwan Bahadur Banga Chandra - Dr. Amartya Kumar Bhattacharya Group of Companies )

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Chairman Emeritus and Director General, Bhattacharya International Buddhist Foundation

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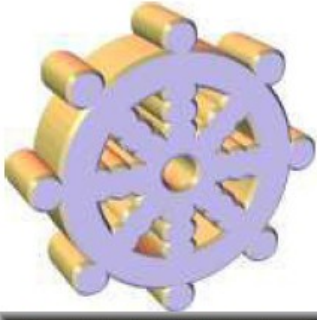
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Vice President ( East ), Association of Consulting Civil Engineers ( India )  
Member, Governing Council, Association of Consulting Civil Engineers ( India )  
Visiting Professor of Civil Engineering, University of Peradeniya, Sri Lanka  
Honorary Professor of Water Engineering and Management, Central University of Jharkhand, Ranchi, Jharkhand, India  
Professor Emeritus of Civil Engineering, Indian Institute of Engineering Science and Technology, Shibpur, Howrah, West Bengal, India

Associate Editor, International Journal of Ecology and Development  
Associate Editor, AGGS Journal of Groundwater Research ( AGGS JGWR )

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<http://tinyurl.com/MultiSpectraGlobal>

<http://tinyurl.com/MultiSpectraBrochure>

<http://tinyurl.com/MultiSpectraEdge>

<http://tinyurl.com/MultiSpectraSpark>

<http://tinyurl.com/MultiSpectraonJustdial>

<http://tinyurl.com/MultiSpectraonSulekhaBusiness>

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<https://www.mendeley.com/profiles/dr-amartya-kumar-bhattacharya>

<https://www.f6s.com/multispectraconsultants>

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<https://vimeo.com/dramartyakumar>

<https://soundcloud.com/dramartyakumar>

<http://startupthailand.org/listing/multispectra-consultants>

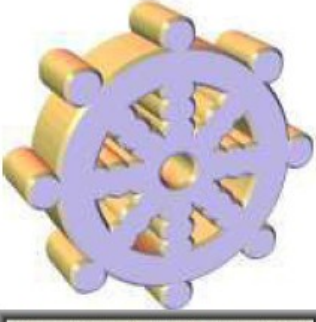
<http://www.startuplithuania.lt/en/startups/multispectra-consultants/670>

<https://goo.gl/maps/mmprPyMabkt>

<https://wa.me/918902494161>

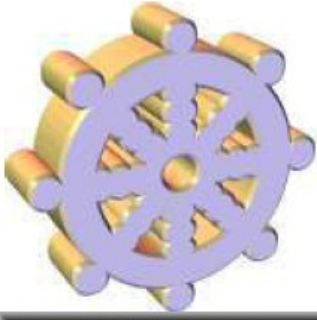
<https://wiseintro.co/dramartyakumarbhattacharya>

<http://www.acce.in>



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Twitter: @DrAmartya



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## MULTISPECTRA EDGE

*#GetAnEdgeOverYourCompetitors*

MULTISPECTRA EDGE is an integrated programme offered by MultiSpectra Consultants for students at all levels. It is designed so as to give participating students an Edge over their competitors. A brief outline of MULTISPECTRA EDGE is given below.

### MULTISPECTRA EDGE AT THE 10 AND 10+2 LEVELS

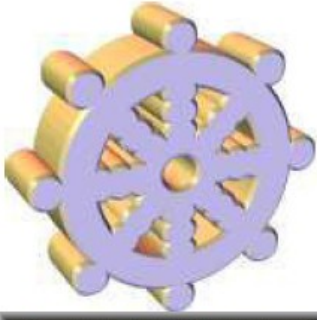
MultiSpectra Consultants offers an in-depth career guidance and advice at both the 10 and 10+2 levels including, but not limited to, guidance and advice pertaining to examinations and tests typically faced by students at these levels. It also seeks to make available modules of advanced knowledge available to students in both online and offline modes.

### MULTISPECTRA EDGE AT THE UNDERGRADUATE LEVEL

At the undergraduate level, MultiSpectra Consultants offers in-depth training, career guidance and advice in several ways including training in the form of Summer and Winter Internships and guidance and advice pertaining to examinations and tests typically faced by students at this level. The Summer and Winter Internships are offered in the area of Civil Engineering Research and Development with the standard output being published papers. All students who have participated in this programme so far have a large number of jointly-authored published papers to their credit. A certificate is also given. Students can also work at their parent institution under the Joint Supervision of MultiSpectra Consultants on a topic of interest to MultiSpectra Consultants. If successful, students get a certificate from MultiSpectra Consultants.

### MULTISPECTRA EDGE AT THE POST-GRADUATE AND DOCTORAL RESEARCH LEVELS

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At the post-graduate and doctoral research levels, MultiSpectra Consultants offers a programme for students to work at their parent institution under the Joint Supervision of MultiSpectra Consultants on a topic of interest to MultiSpectra Consultants. If successful, students get a certificate from MultiSpectra Consultants.

### MULTISPECTRA EDGE AT THE POST-DOCTORAL LEVEL

At the post-doctoral level, MultiSpectra Consultants offers comprehensive Supervision of post-doctoral research. Post-doctoral students are currently working under the Supervision of the undersigned. Papers are the standard output of post-doctoral research.

MultiSpectra Consultants is also developing an online platform for Civil Engineers and Architects to interact in view of the fact that such a platform does not exist so far and is necessary and will have considerable market traction if the success of healthcare, property, e-commerce, travel and hospitality online platforms is any indication. Students at all levels are welcome to participate in the building of the platform. Needless to say, if students make a meaningful contribution, students get a certificate from MultiSpectra Consultants.

Under the 'Open Internship Programme' of MultiSpectra Consultants, any student may make a contribution to any paper and get a certificate besides, of course, being a co-author of the paper.

Students may apply for MULTISPECTRA EDGE by e-mailing the undersigned at [dramartykumar@gmail.com](mailto:dramartykumar@gmail.com) attaching their current CV to the e-mail.

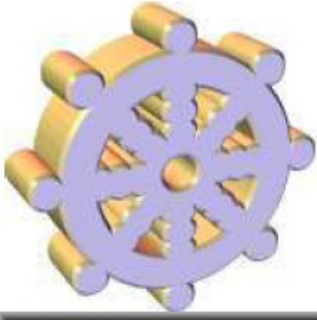
For and on behalf of MultiSpectra Consultants,

*AK Bhattacharya*

Dr. Amartya Kumar Bhattacharya

Chairman and Managing Director.

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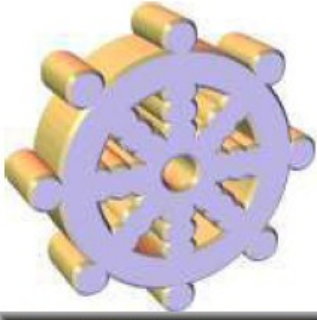
## MULTISPECTRA SPARK

MULTISPECTRA SPARK is meant for senior engineers, technologists and scientists. This complements MULTISPECTRA EDGE, the integrated programme offered by MultiSpectra Consultants for students and young engineers which has been a thundering success. A brief outline of MULTISPECTRA SPARK is given below.

MULTISPECTRA SPARK allows senior engineers, technologists and scientists to be affiliated to MultiSpectra Consultants on a profit-sharing or commission basis, not on a salaried basis. Such senior engineers, technologists and scientists will be expected to be involved in lead-generation as well as in project execution. As is well known, MultiSpectra Consultants has carved out a niche for itself for finding research-based solutions to Civil Engineering problems. In addition, MultiSpectra Consultants has a vibrant educational programme for students and young engineers and senior engineers, technologists and scientists can be associated with that. Just as one of the objectives of MULTISPECTRA EDGE is to develop a spirit of entrepreneurship among students and young engineers, one of the objectives of MULTISPECTRA SPARK is to develop a spirit of entrepreneurship among senior engineers, technologists and scientists.

MultiSpectra Consultants is also developing an online platform for Civil Engineers and Architects to interact in view of the fact that such a platform does not exist so far and is necessary and will have considerable market traction if the success of healthcare, property, e-commerce, travel and hospitality online platforms is any indication. Senior engineers, technologists and scientists are welcome to participate in the building of the platform.

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Senior engineers, technologists and scientists may apply for **MULTISPECTRA SPARK** by e-mailing the undersigned at [dramartyakumar@gmail.com](mailto:dramartyakumar@gmail.com) attaching their current CV to the e-mail.

For and on behalf of MultiSpectra Consultants,

*A.K. Bhattacharya*

Dr. Amartya Kumar Bhattacharya

Chairman and Managing Director.



Diwan Bahadur Banga Chandra - Dr. Amartya Kumar Bhattacharya Group of Companies  
Engineering for a Better World

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