



Bharatiya Vidya  
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*(Founded in 1938 by Kulapati Dr. K. M. Munshi with the blessings of Mahatma Gandhi)*

*आ नो भद्रा : क्रतवो यन्तु विश्वतः ।*

*Let noble thoughts come to us from every side*

## **SARDAR PATEL INSTITUTE OF TECHNOLOGY**

**( Autonomous Institute )**

Bhavan's Campus, Munshi Nagar, Andheri (west), Mumbai - 400058, India

E mail: [principal@spit.ac.in](mailto:principal@spit.ac.in) website: [www.spit.ac.in](http://www.spit.ac.in)

### **Memorandum of Understanding**

This memorandum of Understanding (MOU) is signed on day of 30<sup>th</sup> August 2018, between Suyog telematics Limited, 41, Suyog Industrial Estate, 1<sup>st</sup> Floor L.B.S. Marg, Vikhroli (W), Mumbai-83 and Sardar Patel Institute of Technology, Munshi Nagar, Andheri (West), Mumbai-58, a self-financed Engineering institute affiliated to Mumbai University.

#### **Suyog telematics Limited. Background and Credentials**

Suyog telematics Limited is a growing passive telecommunication infrastructure provider in India, engaged primarily in the business of installing and commissioning of Poles, Towers and Optical Fibre Cable ("OFC") Systems in India. "Passive infrastructure" refers to the telecommunication towers for wireless telecommunication services and "OFC" is used for the purpose of hosting and assisting in the operation of the active infrastructure used for transmitting telecommunications signals or transporting voice and data traffic.

Registered as Infrastructure Provider Category-I (IP-I) with DoT (Department of Telecommunications). With our high quality, cost-effective and time bound services, we have also gained a good presence in the Telecom Industry as a TSP Vendor. Provided a number of Poles and Infrastructure on lease over various areas in and around Maharashtra and Uttarakhand and have also installed BTS equipments on poles for most of the leading Mobile Service Providers in India, including, Bharti Airtel Ltd., Vodafone Essar Ltd., Idea Cellular Ltd., and TTML. Having been in the business of civil construction for over 2 decades, our group has completed installation of more than 200 Poles for various TSPs and about 10,000 Roof-Top Towers for BSNL on job work basis. As on June 30, 2013, fully completed owned portfolio of passive infrastructure consists of 301 Poles in and around Mumbai and 81 towers in and around Maharashtra and Uttarakhand. In addition, have own optical fiber cable network of about 150 km in and around Mumbai.

## **Background of Sardar Patel Institute of Technology**

Sardar Patel Institute of Technology (S.P.I.T.) is an AICTE recognized college spread over a campus of 47 acres and is affiliated to the Mumbai University. It imparts various degree courses in Engineering and also certificate courses. S. P. I. T. aspires to be one of the premier R&D organization in the academic world.

It is also involved in Research and Development in the area of Embedded Systems, VLSI design, Power Electronics, Software Technology and related areas of computer science. Its focus is to help create cutting-edge Technologies and offer advanced training for students, Government and Industry.

## **Alliance Objective**

The scope of the MoU, the roles and responsibilities of the parties of the MoU are given below

1. Suyog telematics Limited and S.P.I.T. will engage mutual cooperation in Research and Development primarily in the field of Embedded Systems, Instrumentation & automation, Power Electronics, Communication and Computing.
2. Suyog telematics Limited agrees to offer internship towards the student community of S.P.I.T. that is mutually beneficial.
3. Research activities and joint research projects to be undertaken, funding for which will be provided by Suyog telematics Limited S.P.I.T. will offer infrastructure and laboratory facilities when necessary for a limited period.

## **Project Statement**

Suyog Telematics Ltd. is a prominent infrastructure service provider company for Telecom Service provider in India. Suyog Telematics Ltd. is currently looking for development of Mobile Application to monitor maintenance activities through mobile application to their 1800 cell sites.

In this context through this MOU, SPIT will develop Mobile application for servicing maintenance calls, opening and closing of maintenance service tickets and keeping track with all the data-bases stored in cloud server to track history and record. This application also needs to develop a maintenance-website and two mobile applications linked to that one for service people and another for an administrator.



## Project Implementation Schedule and Commercial

This will be developed by students and well trained faculty who posses requisite skill-set and interest towards implementation and successful completion of the project.

- (1) The project would be a development project and total span could be of two years.
- (2) First Year; six months shall be utilised for development of mobile applications and maintenance website.
- (3) First year, another six months to test the pilots running on site.
- (4) The first half of second year will be required for transforming pilot into full. product and review of software maintenance and fixing software logistics.
- (5) The last part would be handover of all source code and TOT documents with a software test report/certificate.

The project should be termed as SPIT institutional consultancy project and all the relevant official documents would be rooted through SPIT Principal and concerned officials.

The project cost estimation would be as follows:

The entire project cost is **Rs. 100,000 (One lac)**

The steps for disbursal of funds would be as follows:

*(All the duration mentioned below shall be considered from the start date after signing MOU document)*

- (a) 25% at the start of this project as advance
- (b) Next 25% after six months at the time of deployment of pilot
- (c) Next 25% after one year, at the time of deployment of full product
- (d) Final 25% at the time of TOT and testing reports handover.
- (e) All the payments from Suyog Telematics to SPIT shall be in favor of " Principal, SPIT Allied division"

## **Mutual Obligation**

1. This MoU may be terminated by either party through a notice of one month. Either party may terminate this MoU if either of the parties is frustrated by reasons beyond its control from going ahead with the implementation of the provision of this MoU.
2. There shall be no liability on the part of any party to the other arising from the termination of this MoU.
3. This agreement may not be amended without the prior written consent of both the parties.
4. Neither party shall issue any press release, public announcement or other such disclosure concerning this agreement without the other party's consent as to such release or announcement.
5. Intellectual Property Rights: IPR titles or ownership of any products, proprietary information or technology tools, processes, utilities, and methodology including any Suyog telematics Limited proprietary products or components thereof used hereunder or development of any deliverables and all new ideas, inventions, innovations, or developments conceived, development or made by Suyog telematics Limited hereunder will not be transferred from Suyog telematics Limited to the Institute on account of use of the same as part of any work under this MoU and shall always remain with Suyog telematics Limited

## Summary

Suyog telematics Limited recognizes the significance of S.P.I.T. initiative to be the leader in the field of Electronics, Communication and Computer related academia in the country. Suyog telematics Limited proposes to make availability of the appropriate technology and expertise to develop S.P.I.T. position as a leading institute in the country providing highly quality resources.

This Memorandum of Understanding is intended to express the broad understanding of the parties regarding their working with each other to the extent possible for their mutual benefit.

In written whereof both parties put their hard seal on the day, month and year herein mentioned.

Date: 30<sup>th</sup> August 2018

Date: 30<sup>th</sup> August 2018

Principal

Sardar Patel Institute of Technology,

41, Suyog Industrial Estate,

Bhavan's Campus, Andheri (West)

Mumbai-58.

E-mail: principal@spit.ac.in

Telephone: (022) 26708520 Ext: 305

Signature:



(Dr. Prachi Gharpure)

Director,

Suyog telematics Limited

1<sup>st</sup> Floor L.B.S. Marg, Vikhroli (W),

Mumbai-83

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Signature:



(Mrs. Leena Govekar)

