

MEMORANDUM of UNDERSTANDING

This Memorandum of Understanding (hereinafter to be referred as 'MOU') is made at Pune on this 26th day of January, 2018 and shall be valid for one year from the date of first installment payment between:

TERRE Policy Centre is a Public trust, registered under the Bombay Public Trusts Act, 1950 (Bombay Act-29 of the Year 1950) in the Public Trusts Registration Office at Pune, based in 306 Multicon Square, Erandwane, Pune 411004. It is a global non-profit, non-partisan and independent organization dedicated to sustainable solutions to our developmental imperatives. TERRE also is the abbreviation for 'Technology, Education, Research and Rehabilitation for the Environment.' Hereinafter to be referred as 'TERRE' (which expression shall, unless repugnant to the context or meaning thereof, be deemed to mean and include its successors)

AND

MIT Academy of Engineering (hereinafter to be referred as 'MITAOE'); and **MIT Arts Commerce and Science College** (hereinafter to be referred as 'MITACSC') based in Dehu Phata, Alandi(D), Pune 412 105. MITAOE was established in 1999 and MITACSC was established in 2007 under MAEER by the Honorable Prof. Vishwanath D. Karad, Founder and Executive President of MIT Group. The MITAOE offers seven UG programs (B.Tech.) and three PG programs (M.Tech.) were MITACSC offers seven UG and one PG course. Recently, the UGC has honored the MITAOE with 'Academic Autonomy' considering the quality of pedagogical practices, research, faculty and the state-of-the-art infrastructure that meets global standards.

1. SUBJECT

An agreement has been reached with respect to Smart Campus Cloud Network (hereinafter to be referred as SCCN) being prepared and implemented by TERRE, Pune and to be implemented in MITAOE and MITACSC upon the signing of this MOU, which incorporates the principles of the agreement.

2. PURPOSE

The purpose of this MOU is determining the rights and obligations of the Parties, and therefore, providing a base for coordination to ensure a successful implementation and execution of the project.

This MOU is an agreement to build student participation and consultation with faculty as the core approach of the Smart campuses. The over-arching activities include but not limited to, discussion/dialogue-forum and action- platforms for campus wide energy conservation, energy efficiency, renewable energy, water conservation, waste management, sustainable mobility, sustainable consumption, and environment-friendly behavior. Partnership with business and NGOs would be the key axis around which this network will flourish.

3. ROLE OF PARTIES:

S.no	TERRE	MITAOE and MITACSC
1	To provide access to the SmartSense platform and the relevant technology.	Agree to become a part of a smart campus on the cloud network to kick start its vision to develop pilot models for smart cities in a campus setting.
2	To support implementation of the smart meters and sustainable development related installations, including renewable energy and water conservation.	Agree to nominate a project coordinator from MITAOE and MITACSC , who will be representing the initiative on behalf of the institute.
3	To provide access to experts in the sustainable development to train students and faculty.	Agree to work, by deploying its own financial support with TERRE in installation of smart meters and those related to sustainable development including renewable energy installation in the campus and organize regular events/ initiatives in the campus for development of students and faculty in smart campuses/smart cities.
4	To explore the possibility and give guidance on show-casing the work on network platform including discussion forum, SCCN website and SmartSense cloud platform.	Ensure full participation of students and faculty in the project.
5	To create strategies for visibility of campus achievements and lessons learnt at an international level, as institute contributing to Sustainable Development Goals (SDGs).	Actively assess, monitor and take actions on smart meter and other data to enhance resource efficiency.
6	To create additional project development opportunities in the	Prioritize the campus activities based on the requirement of the campus.
		*** Based on mutual consent between MITAOE and TERRE, various campaigns will be launched in campus. All the finance on additional campaigns will be borne by the MITAOE as per actuals and in compliance with the procurement norms of the MITAOE.

4. PROVISIONS THAT ARE AGREED UPON AND PAYMENT:

4.1 A questionnaire for basic information and existing implemented measures, format of which will be provided by TERRE to be filled by MITAOE and MITACSC.

4.2 Payment:

S.NO.	TERMS OF PAYMENT	AMOUNT (in Rs.)
1.	The first installment at the time of signing MOU (this is subject to the requirement of the campus):	
	A. Cost of smart energy meters	25,000 (Rs.5000*5 meters)
	B. Cost of Current Transformer (Rs. 1500 per transformer)	7,500 (Rs.1500*5)
	C. One year technical warranty services on smart meter and CT	Free
	D. Cost of GPRS modem	Free
	E. Cost of provision of dashboard and cloud services	Free
	F. Access to the National Discussion Forum – CampusTime App	Free
	G. Member recognition on SCCN website	Free
	H. Yearly cost of services (billing insights, network insights and customized reports), maintenance as per the Scope	60,000
	I. Cost of baseline survey by experts, consultation on baseline survey, workshops and initial guidance to the SCCN core team (including orientation and training)	1,00,000
	Total	1,92,500
2.	Yearly fees from 2019 onwards for	2,50,000
	<ul style="list-style-type: none"> - Annual assessment - Guidance for Annual Sustainability Report - Workshop on energy trends in smart campuses nationally and internationally - Meeting on developing annual road map for next year - Yearly cost of services (billing insights, network insights and customized reports) 	

MITAOE and MITACSC will fulfill the payment to TERRE by either of the following mode:

1. **CHEQUE:** Cheque should be drawn in favour of 'TERRE Policy Centre'

2. **BANK TRANSFER:** In the following account details

Account number: 60042896475

IFSC Code: MAHB0000244

Address: Bank of Maharashtra, Anand Nilay Coop Housing society,
S. No 1/3445B, Kothrud, Pune – 411038

4.3 TERRE will be introducing a secured mobile app '*SCCN-CampusTime*' to enhance student engagement like never before, connecting students, faculty and other stakeholders at Campus to make SCCN live wire buzzing. *CampusTime* is an independent stand-alone mobile application with broad and extensive features encompassing all aspects of campus life. It normally charges INR 25000 for setting up, hosting and maintenance. However, for the purpose related to the objectives of SCCN, *CampusTime* has been appropriately adapted to only relevant features. *SCCN-CampusTime* would waive off the setting up, hosting and maintenance fees. Apart from acting as a discussion forum, *SCCN-CampusTime* would enable students and users to exchange an extensive experience with other students and faculties related to the objectives of SCCN. There could be a possibility to interact with the government officials and corporates in future. The Purpose of this engagement will be limited to the activities of SCCN.

The purpose of '*SCCN-CampusTime*' will:

4.3.1 Introduce new features or may cut down some features on the App from time to time without being required to seek any further approval or intimating the University/ college or users in this regard. The *SCCN-CampusTime* may launch the app to support other devices in the future. Extra features may be posted based on feedback from the campuses.

4.3.2 Any intellectual property created/generated during the course of this agreement shall belong solely to the *SCCN-CampusTime* and the University/ College shall have no right in the same whatsoever. This is however, limited to only the use and features of the *Campus Time* app, and does not relate to any Intellectual Property generated from the data being generated by users on the app, which would be the property of SCCN.

4.3.3 The App will be accessible only by the authenticated individuals.

4.3.4 The College-University campus confirms that it shall only work with **TERRE** exclusively to implement the *SCCN-CampusTime* for its use and will not partner with any other firm/ app developer that might be of conflict of interest to **TERRE** and *SCCN-CampusTime*. However, the college or **SCCN** can stop use of the *CampusTime* app with one month's notice, even in case of continued use of other **SCCN** services.

4.3.5 College campus will have an option of getting *CampusTime* App on commercial basis any time in future after 3 months of its usage.

4.3.6 **TERRE** will provide an excel sheet of Students_Data Format and Faculties_Data Format for the **MITAOE** and **MITACSC** to fill all the relevant data that would ensure their participation in *CampusTime* app. **MITAOE** and **MITACSC** will send the filled copies to **TERRE**, before availing *CampusTime* in the **MITAOE** and **MITACSC** campus.

4.4 Forming a 'SCCN Core Group':

The entire college will be participating in the **SCCN** activities and have access to the SmartSense platform. However, the **SCCN core group** will be the active members representing **MITAOE** and **MITACSC**.

MITAOE and **MITACSC** will provide a separate list of students and faculties, who will be the **SCCN Core group** members of their campus.

4.5 Scope of Educational institute - **MITAOE** and **MITACSC**:

To assist in campus boarding, lodging and local travel for expert of **TERRE** or their associates during the validity of MOU, for agreed **SCCN** activities.

5. NOTIFICATIONS:

All applications, requests and notifications made pursuant to this **MOU** shall be deemed as valid upon delivery to the other party in writing at their above-mentioned addresses and/or via email. The following contact details are agreed to be used for communication:

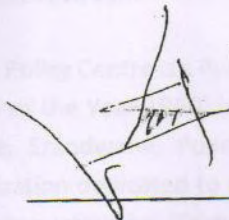
For **TERRE**:

Contact: Dinah Gengmei / Rajendra Shende
Phone: 020 25448488/020 25448650
Email: terrepolicycentre@gmail.com

For **MITAOE & ACSC**:

Contact: Prof. Sunil Bhagat
Phone: 020 30253555/9689907395
Email: smbhagat@it.maepune.ac.in

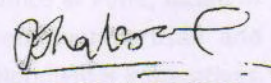
IN CONSIDERATION OF THE ABOVE-MENTIONED ISSUES, the Parties have agreed upon and duly signed this MOU by way of their authorized representatives



Signed by Chairman TERRE Policy Centre

Rajendra Shende

Rajendra Shende
TERRE



Authorized signatory of college

Name: Yogesh Bhalerao

MITAOE



Authorized signatory of college

Name: Dr. Balasahab B. Waghare

MIT ACSC, Alandi