



Dayananda Sagar Academy Of Technology & Management

(Affiliated to Visvesvaraya Technological University
and Approved by All India Council for Technical Education)



TEXAS INSTRUMENTS INNOVATION LAB

This TEXAS INSTRUMENTS INNOVATION LAB ("TI Innovation Lab") is made on 26th day of February 2018, by and between:

Dayananda Sagar Academy of Technology and Management, Opp. to Art of Living International Centre Kanakpura Road, Udayapura, Bangalore- 560082, Karnataka (hereinafter referred as "DSATM"):

AND

Digital Shark Technology Private Limited a company incorporated under Companies Act, 2013, and having its registered office at #51, 8th Cross Mahalakshmi Layout Bangalore- 560086 (hereinafter referred as "DST"):

DSATM and DST shall be hereinafter be collectively referred to as "Parties" and individually as "Party"

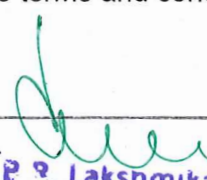
WHEREAS

- A. **DSATM** is committed to impart high quality education to its students and also foster advancement of education in different engineering and scientific disciplines. It also has embarked on Industrial research and development to support industries with new and alternate technologies and design solutions
- B. **Digital Shark Technology Pvt Ltd**, Bangalore is Texas Instruments (India) University Program Partner.

TI University Program is a global program dedicated to support educators, researchers and students in facilitating the inclusion of TI analog and embedded processing in engineering classrooms, teaching and research labs, textbooks, design projects and course curriculum.

- C. The Parties wish to co-operate with each other as per the terms and conditions enumerated in this MoU.

Udayapura, Kanakapura Road, Opp. Art of Living, Bangalore - 560 082.
Telefax : 080-28432909 Website : www.dsat.in


Dr. P. S. Lakshmikantha Ph.D.
Principal / Director
Dayananda Sagar Academy of
Technology & Management
Udayapura, O to Pavishankar



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NOW THEREFORE THE PARTIES SET FORTH THEIR PRELIMINARY UNDERSTANDING AS FOLLOWS:

1. Scope

1.1 The scope of this MoU is to provide a framework of reference to build a strong and on-going relationship between **DSATM** and **DST** in various areas of mutual interest and benefit.

1.2 The primary goals are:

- Conducting workshops/ Events: 4 Workshops will be conducted in the field IOT and embedded system using Texas Instruments boards to bridge the gap between academia and Industry standards.

2 Co-ordination

2.1 **DSATM** and **DST** will establish a "**Core Consulting Team**". Both the Parties shall ensure that the "**Core Consulting Team**" comprises of appropriate personnel to discuss and implement the ideas. Both sides will also have Single Point of Contact for coordinating various activities and for administration purpose.

2.2 **DSATM** shall be represented by its Head of Department; Department of Electronics & Communication Engineering with designated members from **DSATM** as and when necessary;

2.3 **DST** shall be represented by Product Manager, TI University program Team along with other designated members from **DST** as and when necessary;

2.4 The Parties hereby acknowledge and agree that "**Core Consulting Team**" will meet at least once in three months (every quarter) to ensure successful implementation of all measures mutually agreed to in the areas mentioned in this Document. Date can be agreed mutually.

3.

Responsibilities of DSATM.

- To provide name of staff members who will be using facilities of **DST** in advance.
- To provide active technical team working on Micro controller lab at any given point of time. Different Technical team members would need necessary experience on Embedded in order to provide comprehensive Micro controller lab.
- Maintain key SAW and hardware from the vendors concerned.

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Principal / DSATM
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- d. Utilize the expertise of DST engineers in Industry.
- e. If required DST consulting engineer to visit college for consulting purpose, **DSATM** can provide local logistic arrangement for DST's engineer for a reasonable and mutually agreed period to carry out consulting activity at **DSATM**.

4. Responsibilities of DST

- a. To provide industry experts to support and conduct consulting activity for Micro controller lab.
- b. To train **DSATM** engineers on best industry practices and develop competency free of cost at **DSATM** premises.
- c. Provide **DSATM** with industry connect to bring in more consulting opportunities
- d. To work closely with vendor to provide recommendation for latest and optimized versions of SW hardware to be procured by **DSATM**. It is understood **DSATM** already has latest versions of the tools and Hardware

5. Joint responsibilities of DSATM and DST

DSATM and **DST** jointly agree:

- a. To closely work together to bring Workshop/Training opportunities for Students and Faculty. Three workshops of two days in two years will be supported by DST.
- b. In case of additional funding required to develop expertise on consulting, **DSATM** and DST to put up joint project proposal for funding by govt or any other agencies.
- c. To work towards success of projects and relationship fostering
- d. To enter into a separate non-Disclosure agreement to safeguard and protect each other's data and secrets

Dr. B. R. Shankar
Principal / Director
Dayananda Sagar Academy of Technology & Management
Udayapura, Kanakapura Road
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6. Responsibilities of DSATM

Sl #	Texas Instruments LAB	Name of Texas instrument Components	Qty	Rate	Total
1	Texas Instrument IOT and EMBEDDED LAB	MSP 5529 Launchpad	10	1,764.00	17,640.00
2		Msp430 G2	10	1,029.00	10,290.00
3		Educational Booster Pack MKII	3	5,684.00	17,052.00
4		Simple Link Wi-Fi CC3100 Booster Pack	10	2,842.00	28,420.00
5		Simple Link Wifi Module - Cc3220	5	5,684.00	28,420.00
6		Sensor Hub Booster Pack for Tiva™ C	4	5,733.00	22,932.00
7		Tiva C Series EK-TM4C123GX	10	1,764.00	17,640.00
8		EK-TM4C129EXL (Crypto Connected LaunchPad Software Packages)	3	3,430.00	10,290.00
9		SimpleLink™ Bluetooth® low energy CC2640R2F wireless MCU LaunchPad™ development kit	5	3,626.00	18,130.00
10		CC110 RF Booster Pack	10	1,764.00	17,640.00
11		Chronos: Wireless development tool in a watch - EZ430	2	6,664.00	13,328.00
12		Grove Starter Kit	5	7,693.00	38,465.00
13		LAUNCHXL-CC2640R2	2	3,528.00	7,056.00
14		LAUNCHXL-CC1310	2	3,528.00	7,056.00
15		MSP-EXP430FR4133	2	1,764.00	3,528.00
16		MSP-EXP430FR6989	2	2,474.00	4,948.00
17		CC256XQFNEM	1	6,811.00	6,811.00
TOTAL					2,69,646.00
GST @ 18%					48,536.00
GRAND TOTAL					3,18,182.00

four free workshop of two days (70,000 worth per workshop) will be provided.
Two students internship training
TI Signage Board(20,000 Worth) free
Will support and provide TI contests, if any during the MoU Period.
MSP-EXP430F5438 board worth Rs.20000/- will be provided free

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Dr. B. R. Lakshminikanta
Principal / Dire
Dayananda Sagar Academy of
Technology & Management
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Amount in words : Three Lakh Eighteen Thousand One Hundred and Eighty Two Only.

6. Terms and Termination

6.1 This shall come in to effect from 26th day of February 2018, and shall remain in effect for a period of twenty four (24) months, unless terminated earlier by the Parties. On mutual agreement after a period of twenty four months, MOU can be further extended.

6.2 Either Party shall have the right to terminate this MoU by giving ninety (90) days prior written notice to the other Party.

7. Confidentiality

7.1 Neither Party shall, without the prior written consent of the other Party disclose to any third party the contents of this MoU or any information obtained by either Party in performance of or in connection with this MoU. The Parties agree to take all reasonable measures to maintain the confidentiality of all such Confidential Information which in no event will be less than the measures it uses to maintain the confidentiality of its own information of similar importance.

7.2 The obligations of confidentiality shall come into effect upon the signing of this MoU and shall survive even after the termination of this MoU.

8. Commercials

The commercials for each consulting opportunity will be discussed and agreed upon by both parties on a case to case basis.

9. Intellectual Property Rights:

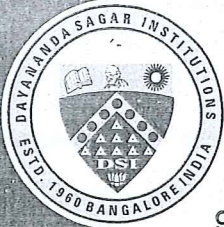
9.1 This policy assures that the intellectual property arising from the research conducted as a part of this agreement is used in the best interest of both parties.

9.2 **DSATM** will give the right of first refusal for the Foreground Intellectual Property developed via this MoU to **DST**. In case **DST** is not interested in acquiring this IP, **DSATM** would be free to use the IP as deemed fit by **DSATM**.

9.3 **DSATM**, its employees and the researchers are protected and indemnified from all liability arising from the development, marketing, or use of the particular intellectual property by **DST**.

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Dr. S. A. S. Shinde
Principal / Dire
Dayananda Sagar Academy of
Technology & Management
Udayapura, Kanakapura Road
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9.4 Both Parties shall retain their respective rights with respect to any equipment's, methodologies, tools and technologies provided hereunder for the purpose of this MOU. Both Parties will ensure that such equipment, methodologies, tools and technologies are used solely for the purpose set out in this MOU.

10. Liability

10.1 NEITHER PARTY SHALL BE LIABLE FOR ANY DIRECT, INDIRECT OR CONSEQUENTIAL LOSS, DAMAGE, COST OR EXPENSE OF ANY KIND WHATEVER AND HOWEVER CAUSED WHETHER ARISING UNDER STATUTE, CONTRACT AND TORT OR OTHERWISE THIS MOU.

11. Arbitration

11.1. In the event of any dispute or differences arising at any time between the Parties hereto as to the construction, meaning or effect of this Agreement or any clause or thing contained herein or the rights, duties, liabilities and obligations of the Parties hereto or breach thereof, the parties shall in good faith endeavor to resolve the dispute by mutual discussion. In the event, the parties are unable to do so, the matter will be settled by arbitration subject to the provision of the Arbitration and Conciliation Act, 1996 and as amended from time to time. The Parties agree shall mutually endeavor to appoint a single arbitrator, within a period of thirty (30) days upon being called upon to do so. In the event, the Parties fail to appoint a single arbitrator, by mutual agreement, each Party will appoint one arbitrator and the two arbitrators so appointed will appoint a third arbitrator to whom the dispute will be referred for resolution. The arbitration proceedings shall be in English and held in Bangalore and in accordance with the Arbitration and Conciliation Act 1996 and as amended from time to time.

12. Governing Law and Jurisdiction.

12.1 This MoU shall be governed by the laws of Republic of India. Any dispute arising in connection therewith shall be submitted only to the Courts in Bangalore, India.

13. Non Solicitation

13.1 **DSATM** shall not directly or indirectly solicit, or cause to be solicited the employment of any employee of **DST**, who is involved in the performance of its obligations under this MoU.

14.

Binding

14.1 This MoU shall be binding on the Parties.

14.2 The Parties hereby acknowledges that this MoU is confined to the general terms agreed between the Parties for mutual co-operation.

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Principal
Dayananda Sagar Academy of Technology & Management
Udayapura, Kanakapura Road
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15. Entire Understanding

This MoU contains the entire understanding of the Parties with respect to the subject matter addressed herein and supersede, replace and merge all prior understandings, promises, representations and agreements, whether written or oral.

16. Internship and Projects

DST will hire 2 students of DSATM as Interns for 6 months duration
Screening(Aptitude Test and technical Interview)
will be done before considering as Interns.

IN WITNESS THEREOF, the parties hereto have caused this Agreement to be executed by their respective duly authorized representative as of the date first above written

For

Digital Shark
Technology
Bangalore.

Dayananda Sagar Academy of Technology &
Management , Bangalore

Signature.....

Kishore M
26/02/18

Name :Kishore M

Title :Director , Sales
Date :26th February 2018



Signature

Dr. B.R. Lakshmikantha
26/02/18

Name:..... Dr. B.R. Lakshmikantha
Principal / Director

Title :Principal
Date :26th February 2018

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Udayapura, Kanakapura Road, Bangalore - 560 082

Dr. Manjunatha Prasad.H
26/2/2018
Dr. MANJUNATHA PRASAD.H
M.E., Ph.D
Professor & Head
Dept. of Electronics & Communication Engg
Dayananda Sagar Academy of Technology
& Management
BANGALORE-560 087

Dr. B.R. Lakshmikantha
Principal / Director
Dayananda Sagar Academy of Technology & Management
Udayapura, Kanakapura Road
Opp. of Living, Bangalore - 560 082