



IN COLLABORATION WITH



MEMORANDUM OF UNDERSTANDING

Between

**Alva's Institute of Engineering & Technology
(A unit of Alva's Education Foundation®)**

And

Oski Labs®

Introduction: This memorandum of understanding is between two organizations Alva's Institute of Engineering & Technology, Mijar, Moodabidri DK and Oski Labs®, Bangalore for bridging the gap between industry and academics.

About Oski Labs®: A multi field research, product development and service based lab started in the year 2011, primarily focused on R&D and Product development. It was then converted into an official company in the month of March, 2013.

Moto: Thinking out of the box.

Mission: To bridge the gap between industry and academics.

Expertise & Research Areas:

Idea incubation, application based research, prototype and product development & business consultancy in the following areas:

- Electronics, electrical and mechanical research/prototyping/development
- Special purpose machines & teaching aids for the disabled
- Advanced robotics & autonomous drones
- Green Energy

- Vending and recycling machines
- LED/EL products, home & industrial automation
- Internships and training for students on the latest trends & technologies backed up with multiple industries and experts.

Project Envision:

We started project envision in order to provide the students a platform to develop skills they require for their life and career by providing them with practical and theoretical know how from the basics of technology pertaining to various fields such as Electronics, electrical, computer sciences and mechanical to the advanced levels of skills they require to stay in the ever changing trends in technology.

We also strive to provide a link with core industries to provide in-plant training and industrial technology training on the academic institution's campus by enabling the setting up of corresponding labs that house the industrial-academic teaching aids.

Envision Lab:

This is a unique lab built in collaboration with Alva's Institute of Engineering & Technology. Main purpose of the lab is to provide a platform for every student including all the faculties a platform to try, test & enhance their ideas, research & prototyping skills.

This lab is interdisciplinary and built by students where they get to work on their own projects and Oski labs® live projects providing them a fair industrial exposure.

Objectives:

- a. Training students with a low cost long duration workshop. Giving students time and infrastructure to understand technology from the very basics.
- b. During workshops students have to come up with their own idea to work on. If the presented ideas are unique and workable they are pushed towards making prototype within the workshop duration.
- c. Selected prototypes and teams are given proper guidance (technical support, business aspects, paper publishing, patents etc.) and funding for the prototype built at Envision Lab.

- d. These students will work for minimum duration of few months under Envision lab and once they go through this period, the selected projects are fed into respective branches or special labs at AIET.
- e. Envision lab is open for every faculty and students. Main purpose of the lab is to provide a platform to try, test & enhance their ideas, research & prototyping skills.
- f. Few selected students will get to work on Oski Labs live projects as interns.
- g. Regular visits by industrial experts and guidance from them will constantly improve the skills & provide exposure on the industrial technology trends & requirements for students.

Terms & Conditions

For both Oski Labs® & Alva's Institute Of Engineering & Technology®

- i. Consultation fee of INR 60,000/- (after TDS reduction of INR 6,666/-) will be paid every month to Oski Labs® from Alva's Institute Of Engineering & Technology which is valid from April 2017 to April 2018.
- ii. All related materials and information pertaining to Training Fee for Workshops and training sessions will be given to the management of Alva's Institute of Engineering & Technology before the start of such sessions.
- iii. The expense for development of the Envision lab for the next 6 months (till August 2017) will be borne by Oski Labs® and the materials (components, machinery, tools etc.) that will be present in lab will remain the responsibility of Oski Labs® whereas the entire lab along with all its infrastructure will remain the sole property of Alva's Institute Of Engineering & Technology. Infrastructure such as CCTV systems need to be provided to avoid any loss of materials and any untoward incidents that occur inside the lab.
- iv. The investment from Oski Labs® will include components (such as development boards, sensors, actuators etc.), prototyping equipment & tools (such as drilling machines, screw driver sets, zig saw cutters, soldering machines and all necessary accessories) etc. so that Envision Lab will house all the necessary tools and equipment to perform basic prototyping.

- v. If any student or faculty would like to use the equipment mentioned above, proper permission and work clock needs to be provided to Oscki Labs® team or management of Alva's Institute of Engineering & Technology before 24hours.
- vi. Alva's Institute of Engineering & Technology will have to provide basic infrastructure of space for the lab, furniture's, desktop computers, white board, presentation accessories, CCTV systems etc. for the Envision Lab.
- vii. The consultation fee will be paid in advance within the first week of every month.
- viii. The complete workshop fee for AIET students will have to be collected and paid by Alva's Institute of Engineering & Technology to Oscki Labs® (without TDS deduction) on or before the start of the workshop.
- ix. Alva's Institute of Engineering & Technology will provide accommodation and food for all the members of Oscki Labs® team.
- x. Oscki Labs® team will be present at AIET for 20 days every month this includes a combination of working days and non-working days. The start and end date can be modified according to the schedule of Oscki Labs® Team and Alva's Institute of Engineering & Technology. The exact duration will be provided to AIET management in the monthly report.
- xi. Oscki Labs® and its authorised team will only be answerable to the Alva's Institute of Engineering & Technology management.
- xii. The live projects (client, research and industrial products) that will be deputed at Envision Lab will be used as a medium to enhance the objectives of Envision Lab but will they will remain proprietary property of Oscki Labs®.
- xiii. The projects/ideas by AIET students incubated by Oscki Labs® at Envision Lab will undergo further prototyping and skill developments for a minimum duration after which the project can be diverted to any one of the Lab's or faculty present on AIET campus.
- xiv. The faculty in charge of Envision lab will be deputed by Alva's Institute of Engineering & Technology.
- xv. A monthly report including work progress, financials, items purchased etc. will be updated to Alva's Institute of Engineering & Technology management by the end of every month.

- xvi. The entire database of students and their work log will remain under the control of Oscki Labs® unless and until requested by the management.
- xvii. "Envision Lab" is not bound to any department or branch but it is open for all under our terms and conditions.
- xviii. TDS certificates will have to be given to Oscki Labs® at the end of every financial year or whenever applicable.
- xix. Oscki Labs® will require access to various labs such as mechanical, computer etc. for prototyping and development.
- xx. For any project which is initiated or mentored by Oscki Labs under Envision lab, in case they publish any paper, articles, journals, patents etc. Oscki Labs®, its official team and guiding faculties of AIET will also be a part of authors contributing towards the respective work done.
- xxi. For any other project work, technical guidance and business incubation or support, separate contract will be made with specific terms and conditions with the respective authorities. All the progress and details will be published through the monthly report for Alva's Institute of Engineering & Technology.

For Non-AIET students:

- xxii. Oscki Labs® will require help from Alva's Institute of Engineering & Technology in maintaining the rules & decorum of AIET during workshops that will be conducted during vacations.
- xxiii. AIET students who do not get selected through Envision Lab can also apply and participate in the workshops conducted for Non-AIET students but the training fee will be lower and different for AIET students in terms of the particular workshop/internship.
- xxiv. The non-AIET students will have to pay the entire amount of the training fee prior to the start of the workshop. Alva's Institute of Engineering & Technology can deduct 20% of the total amount and provide the remaining amount in cash (excluding TDS). Suitable receipt for the same needs to be provided to Oscki Labs® after the deduction.

xxv. Oscki Labs® & its team will make it the highest priority to make sure that no damages/loss of equipment and untoward events will take place inside the Envision Lab or the place of conducting of workshop. Oscki Labs® and its team will not be held responsible for actions of students outside our respective labs.

Termination:

- i. This agreement may be amended whenever required or terminated by mutual consent.
- ii. This MOU shall be effective for 1 year (April 2017 - April 2018) from the date of signature unless cancelled in writing by either of the participating organizations within 90days notice.

Approved and Accepted by
Alva's Institute of Engineering & Technology

Approved and Accepted by
Oscki labs®

For Alva's Institute Of Engineering & Technology®,

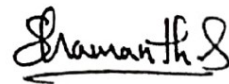
For Oscki Labs®,



Signed by: Dr. Peter Fernandes

Principal – AIET

Date: March 22nd 2017

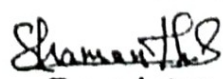


Signed by: Shamanth.S

Founder & CEO – Oscki Labs®

Date: March 22nd 2017

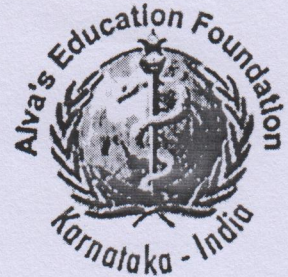
Seal: **PRINCIPAL**
Alva's Institute of Engg. & Technology,
Mijur, MOODBIDRI - 574 225, D.K.

Seal: **For OSCKI LABS**

Proprietor


PRINCIPAL
Alva's Institute of Engg. & Technology,
Mijur. MOODBIDRI - 574 225, D.K



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PROJECT ENVISION

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INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Mr. Kumaraswamy V S
has successfully completed the "Arduino, Sensor Interfacing and
Prototyping Internship" under Project Envision, undertaken by Oscki Labs®
in collaboration with Alva's Education Foundation®.

Designation: Embedded Developer and Operations

USN: 4AL15CS051

Prototype Developed: Smart Helmet

Technology Used

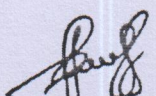
Software: Arduino IDE, Circuits.io

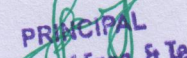
Hardware: Arduino Uno R3, 25 modules including sensors

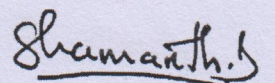
Internship Duration: 15th January 2017 to 29th January 2017

Internship Location: Alva's Institute of Engineering & Technology
Mijar, Moodbidri, Karnataka

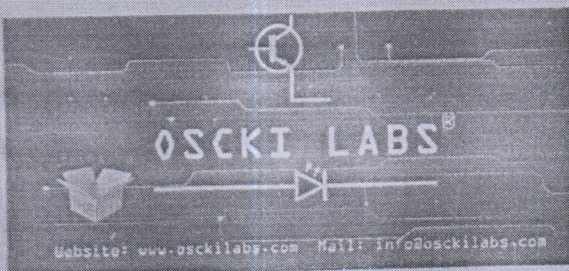
Attested By


Dr. Peter Fernandes
Principal
AIET


PRINCIPAL
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225


Shamanth S
Founder & CEO
Oscki Labs®





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INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Ms. Jasmine Princy Lobo
has successfully completed the "Arduino, Sensor Interfacing and
Prototyping Internship" under Project Envision, undertaken by Oscki Labs®
in collaboration with Alva's Education Foundation®.

Designation: Embedded Developer

USN: 4AL15CSD43

Prototype Developed: Food Spoilage Detector

Technology Used

Software: Arduino IDE, Circuits.io


Hardware: Arduino Uno R3, 25 modules including sensors


Internship Duration: 15th January 2017 to 29th January 2017

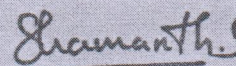
Internship Location: Alva's Institute of Engineering & Technology

Mijar, Moodbidri, Karnataka

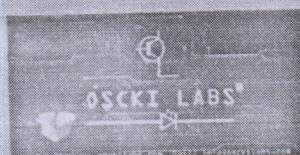
Attested By


Dr. Peter Fernandes
Principal
AIET


PRINCIPAL
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

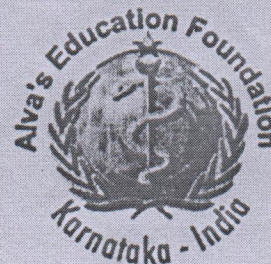

Shamanth S

Shamanth S
Founder & CEO
Oscki Labs®





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INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Ms. Jolyn Tellis
has successfully completed the "Arduino, Sensor Interfacing and
Prototyping Internship" under Project Envision, undertaken by Oscil Labs®
in collaboration with Alva's Education Foundation®.

Designation: Embedded Developer

USN: 4AL15CS046

Prototype Developed: Smart Mailbox Detector

Technology Used

Software: Arduino IDE, Circuits.io

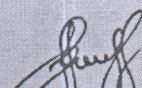
Hardware: Arduino Uno R3, 25 modules including sensors

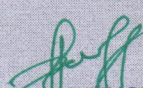
Internship Duration: 15th January 2017 to 29th January 2017

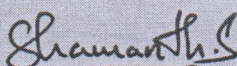
Internship Location: Alva's Institute of Engineering & Technology

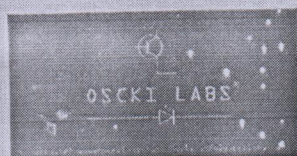
Mijar, Moodbidri, Karnataka

Attested By


Dr. Peter Fernandes
Principal
AIET


PRINCIPAL
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225


Shamanth S
Founder & CEO
Oscil Labs®



EMBEDDED





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INTERNSHIP COMPLETION CERTIFICATE

This is to certify that DIVYA R has
successfully completed the "Arduino Sensors Interfacing and
Prototyping Internship v.2.0" under Project Envision undertaken by
Oscki Labs.


USN: 4AL15CS032

Project Title: HOME AUTOMATION CONTROL SYSTEM

Internship Duration: 30 Days

Internship Location: Alva's Institute of Engineering & Technology,
Mijar, Moodbidiri, Karnataka


Dr. Peter Fernandes
Principal
AIET, Mijar


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Founder & CEO
OSCKI LABS®

