



# **Memorandum of Understanding-2019-2020**

## **INDEX**

<b>SL.NO</b>	<b>Description</b>	<b>Page. No.</b>
1	Andhra Pradesh State Skill Development Corporation (Apssdc) And European Centre For Mechatronics Aps Gmbh	2 - 14
2	North American University, USA	15 - 16
3	Microchip Academic Program Regional Training Center, India	17 - 19
4	Andhra Pradesh Fisheries And Ocean University	20 - 29
5	The Eti Labs Pvt. Ltd, Kashmere Gate, Delhi	30 - 33
6	Apply Volt, Vijayawada, Andhra Pradesh	34 - 40
7	Andhra Pradesh State Skill Development Corporation (Apssdc) Vijayawada	41 - 55
8	Tvameva Social Impact And Development Foundation (Tsidf)	56 - 63
9	Indian Institute Of Technology Tirupati (IIT-Tirupati)	64 - 68
10	Andhrapradesh Fisheries And Ocean University	69-78
11	Sd Motor Speeds	79 - 83
12	B.V Raju College (Byrc),(Department Of Mathematics And Humanities)	83- 89

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**MEMORANDUM OF AGREEMENT**

**BETWEEN**

**ANDHRA PRADESH STATE SKILL DEVELOPMENT  
CORPORATION (First Party)**

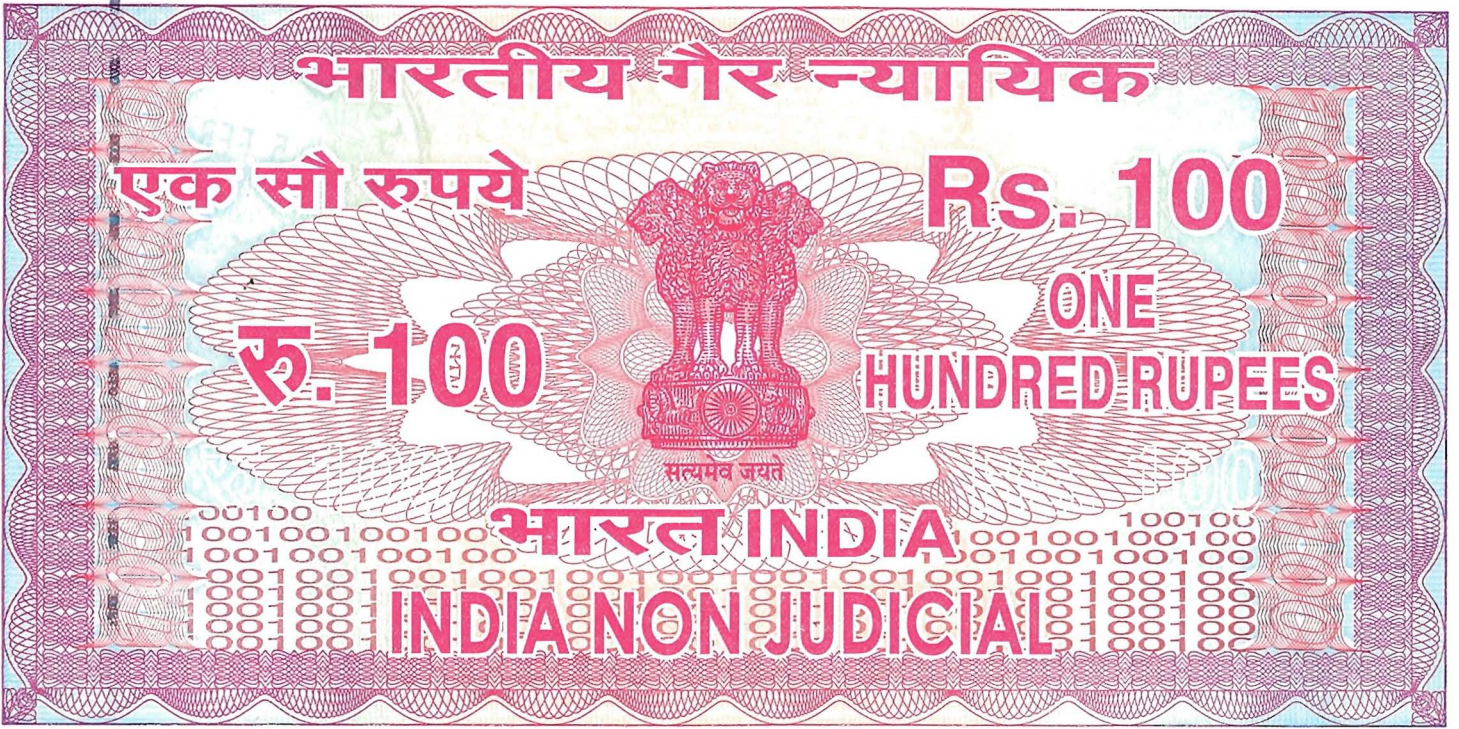
**AND**

**EUROPEAN CENTER FOR MECHATRONICS APS GMBH  
(Second Party)**

**AND**

**SAGI RAMAKRISHNAM RAJU ENGINEERING COLLEGE  
(SRKR)(Third Party)**





ఆంధ్రప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

No. 337 Di. 7/2/19. Rs. 100/-

Issued to Sri: K. Chanakya, Sr. K. Venkata Ratnam, VJA  
For Whom: Andhra Pradesh State Skill Development Corporation  
Tadepalli, Guntur District.

CH 865726

K.L. Padma Vathi

Name: K.L. PADMAVATHI

LICENSED STAMP VENDOR

L.No: 06-14-308/2007

R.L.No: 06-14-002/2017

Address: #1-82, CHINAVUTUPALLI

GANNAVARAM Mandal

Phone No: 99127 46669

### MEMORANDUM OF AGREEMENT

This Memorandum of Agreement (MoA) is entered into on 7<sup>th</sup> day of February 2019

**Andhra Pradesh State Skill Development Corporation**, a Government Company registered under the Companies Act, 2013 having its Corporate Office at G&J Infra Building, 3<sup>rd</sup> Floor, D No.78/2, Near NH-5, Near Pathuru Road, Tadepalli, Guntur District, Andhra Pradesh represented by Executive Director-I (hereinafter referred to as "APSSDC" or First Party, which expression shall unless repugnant to this context or meaning thereof, includes its successor in office, legal representatives and permitted assigns) of the FIRST PART.

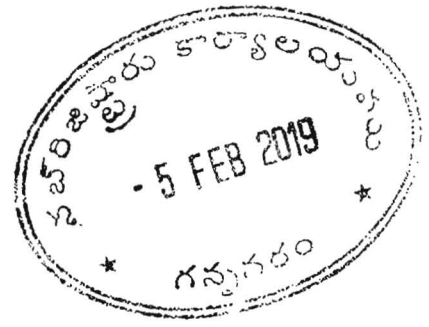
And

**European Center for Mechatronics APS GmbH Aachen**, having its principal address at Vaalserstrasse 460, 52072 Aachen, Germany (hereinafter referred to as "ECM", which expression shall unless repugnant to the meaning thereof, mean and include its successors and permitted assigns) of the SECOND PART.



1  
APS GmbH European Center for Mechatronics  
Vaalser Str. 460, 52074 Aachen, Germany.







And

**SagiRamakrishnam Raju Engineering College** (SRKR Engineering College) having its principal address at Chinna Amiram, Bhimavaram-534204, Andhra Pradesh (hereinafter referred to as "College", which expression shall unless repugnant to the meaning thereof, mean and include its successors and permitted assigns) of the THIRD PART.

APSSDC, ECM and College are hereinafter referred to singly as "Party" and jointly as "Parties".

## I. PREAMBLE/ BACKGROUND

### Brief about APSSDC:

APSSDC is a unique organization formed as a public private partnership (PPP) corporation to promote skill-development & entrepreneurship in the state of Andhra Pradesh. APSSDC is the Executive Agency for the Department of Skill Development, Entrepreneurship and Innovation, Govt. of Andhra Pradesh (GoAP) serving the important task of providing high quality skilled manpower as part of the Knowledge and Skills Mission of GoAP. The main objective of the Corporation is to implement a structured and pragmatic solution to skill & upskill the workforce in the State of Andhra Pradesh and to increase employability and promote entrepreneurship in sync with Industrial growth of the State.

### Brief about ECM:

ECM based in Aachen was founded in 1981. ECM has been working in the fields of robotics, sensor technology, and information and communication technology for more than 30 years. Engineers and technicians from various disciplines develop and implement interdisciplinary concepts and solutions in collaboration with national and international industrial partners, public procurers and researchers.

ECM is into education and research in the field of Mechatronics and Industrial Robotics focusing Industry 4.0 which is planned to implement the similar ecosystem in state of Andhra Pradesh.

ECM will be organizing the skill development training programs in collaboration with their German partner, GC German Center for Engineering and Management Studies (GEMS).

### Brief about SRKR ENGG COLLEGE:

SagiRamakrishnam Raju Engineering College (SRKR Engineering College) is a co-educational, independent and a private Engineering college. It was formed in the 1980s to provide a better quality technical education to students. The college is located on a 30 acres plot in Chinna-Amiram on the Bhimavaram - Juvvalapalem state highway, 2 miles from Bhimavaram town, that is well known as "Second Bardoli" and is famous for "Pancharamas" (Somaramam). It was founded in the year 1980 by donations from Sagi

Rama Krishnam Raju.



The college was accorded permanent affiliation by Andhra University from 1987 for four-year degree courses. The college is presently affiliated to JNTU, Kakinada from 2017-18 admitted batch. The College was registered under the section 2 (f) of the UGC Act and it is eligible to receive central assistance under section 12 (b) of UGC. The College is recognized by the AICTE (All India Council for iTechnical Education) and the Institution of Engineers (India).

**PURPOSE:**

- A. This engagement will aim to skill the engineering graduates from the state of Andhra Pradesh in Mechatronics and Industrial Robotics. It was proposed to establish Indo-European Skilling Centers for Mechatronics and Industrial Robotics in 40 Engineering Colleges across the state of Andhra Pradesh. ECM has selected select 11 Engineering Colleges initially in collaboration with APSSDC under pilot phase.
- B. To impart robotics-centric courses as per Annexure-1 to the students of the college viz. Third Party.
- C. To provide end to end skill training including assessment, certification and facilitating placements to the trained students.
- D. The robotics infrastructure established in the respective college henceforth called Applied Robotic Control Labs (ARC Labs).

**E. ROLES AND RESPONSIBILITIES:**

**FIRST PARTY - APSSDC shall**

- select reputed engineering colleges/Universities in collaboration with ECM through a stipulated procedure;
- provide a platform for registration of trainees online and mapping of institutions and students;
- develop course curriculum in collaboration with other parties to suit latest and future technologies;
- prepare over all calendar of training programs and communicate to Second Party;
- organize Training Programs for all diploma and under graduate engineering students;
- prepare operational guidelines for ARC labs to be followed by the other two parties;
- promote Research & Development and Innovation for existing Industries;
- exercise its right to cancel the permission now granted to the institutions in the event of not fulfilling their obligations.





## SECOND PARTY -ECM shall

- establish the research nodal centers named as “Applied Robotic Control Labs” (ARC) at state level in Andhra Pradesh as part of the “Indo-European Skilling Centres for Mechatronics and Industrial Robotics” in the Engineering Colleges in collaboration with its European partners and shall be utilized for ARC 3.0 course;
- develop the courses according to the market needs in India and execute with academic planning in collaboration with APSSDC and also conduct training of trainers/faculties. At present, three courses are offered under the initiative as given under Annexure-1;
- to provide training in collaboration with partnered Colleges and its certification along with their European partners;
- provide support for conducting job melas and facilitate for placements through the following activities;
  - ECM will bring several professionals and companies to AP to impart valuable skills and entrepreneurship abilities to students and facilitate placements in respective Industry.
  - ECM should facilitate employment to potential candidates after ARC 3.0.
  - ECM should provide internship to successful students in India and Germany as well.
- impart the courses and provide assistance to employment and higher education opportunities to the students who had successfully completed the program;
- consider the students from these trainings as a priority to provide employment and higher education;
- establish a common research location/representation for transnational research projects between German and Indian partners in Andhra Pradesh;
- collaborate for dissemination of knowledge on cutting edge technologies to faculty and research programs;
- along with their European partners to provide commercial support as a part of student course along with APSSDC;
- conduct job melas at least twice a year in collaboration with APSSDC;
- ensure conducting assessments as per standard assessment pattern and shall provide certificate to the successful students;
- follow the guidelines as specified by APSSDC from time to time;
- submit all reports and documents relating to progress of the students on rolls, Accounts, Audit and Annual Work Plan, as specified at such frequency as may be required by APSSDC.

## THIRD PARTY -The College shall

- establish ARC lab along with necessary infrastructure in collaboration with ECM;
- provide training to the students as per the course curriculum;
- depute required faculty to manage and co-ordinate Trainings in ARC labs;
- collaborate for dissemination of knowledge on cutting edge technologies to faculty and research programs;



- provide support for conducting job melasand facilitate placements alongwith ECM;
- take care of insurance and regular maintenance pertaining to Hardware installed in ARC labs;
- follow the guidelines as specified by APSSDC from time to time;
- submit all reports and documents relating to progress of the students on rolls, Accounts, Audit and Annual Work Plan, as specified at such frequency as may be required by APSSDC.

### Compliances:

- **KPIs** – Key Performance Indicators (KPIs) will be developed by APSSDC in mutual consultation with colleges and ECM.
- **Monitoring:** The activities of ARC Labs shall be regularly monitored through by APSSDC and also through the monitoring committee of APSSDC.
- Details of Data of Number of students passed out, placed (Trained for Employability), and unplaced on year-on-year basis.
- Institutions will face punitive action if found to be:
  - ❖ indulging in any malpractice
  - ❖ Provided false data in their reports
  - ❖ Unable to achieve targets set by APSSDC/themselves in Proposals consistently
  - ❖ Any non-compliance with the terms and conditions of this Agreement

### E. Responsibilities of the Parties

All Parties agree that:

1. The Parties shall diligently perform their respective obligation under the Agreement as per the procedure set forth above.
2. To get the evaluation of the programs done by third party for assessing the impact with respect to quality of training programs.
3. Neither Party shall share any confidential information with any other party. The sharing of such database by each other will be on trust that it will not be used by either Party for providing any kind of information to any third party.

### F. Branding:

ECM & College shall ensure necessary branding for ARC Lab. Signage for ARC lab is attached as Annexure 2 to this MoA. ECM & College shall follow the branding guidelines as specified by APSSDC from time to time.

### G. Attendance:

The college shall have requisite infrastructure and ECM shall ensure that students shall be registered through BIO-METRIC devices with Aadhaar (Unique Identification Number) seeded inputs. Attendance shall be captured through Aadhaar based Biometric devices only.





## H. Arbitration:

The Parties shall endeavour to resolve all or any dispute or difference arising out of or in connection with this Agreement, amicably within 30 days of notice in writing being issued by the non-defaulting party to the defaulting party indicating such dispute or difference. In case no amicable solution is arrived between the Parties within the said 30 days, then such dispute/s shall be settled through Arbitration as per the provisions of the Arbitration and Conciliation Act, 1996 as amended from time to time. The arbitration shall be done by Sole Arbitrator appointed by APSSDC. The written award of the Arbitrator shall be final and binding on all the Parties. The seat and venue for the arbitration proceedings shall be at Vijayawada, Andhra Pradesh.

## I. Termination of MoA:

The first party shall have the right to terminate this MoA without assigning any reasons by giving prior written notice of 60 (Sixty) days through its authorized signatory. Without prejudice to the above, either Party may terminate this MoA by giving 30 (Thirty) days' written notice through its authorized signatory in the event of any material breach of any of the material terms of this MoA by the other Party. The non-defaulting party shall first serve a written notice of its intention to terminate this MoA to the defaulting party highlighting the material breach and giving the defaulting party a period of 30 days or such extended period as may be mutually agreed to within which to remedy the material breach. Should such event of a material breach remain unresolved/unrectified within the said notice period of 30 days or such extended period as may be mutually agreed to, the non-defaulting shall be able to terminate the MoA forthwith.

## J. Representations and Warranties by the Parties

In addition to the above, the Parties hereto represent and warrants to other Parties as under:

- a) That it is duly organized and validly existing under the laws of the jurisdiction in which it was incorporated and has the necessary corporate power and authority under applicable Laws to carry on its business and or perform its functions.
- b) That this MoA
  - I. is within its powers and has been duly authorized by it; and
  - II. does not conflict in any material respect with any law or regulation or its constitutional documents or any document binding on it and that it has obtained all necessary consents for the performance by it under this MoA.
- c) That all information set forth in this MoA is true and correct and is not misleading in letter and spirit.

## K. PERIOD OF VALIDITY:

This MoA shall become effective from the date hereof and shall be in force for a period of **Three years**, unless terminated by mutual consent of the parties.



## L. LIMITATION OF LIABILITY

Except as agreed and provided under this Agreement, neither of the Parties shall be liable to bear or pay any damages arising out of loss of income, loss of profit, special, incidental, indirect, punitive, exemplary or consequential, to any party including third parties, and all such damages are expressly disclaimed.

## M. NOTICES:

Unless otherwise provided herein, all notices or other communications under or in connection with this MoA shall be in English, will be issued in writing and shall be signed by the authorized representative of the issuing / serving Party and may be sent by personal delivery or post or courier or facsimile to the address given above. Any such notice or other communication will be deemed to be effective if sent by personal delivery, when delivered, if sent by post, three days after being deposited in the post and if sent by courier, two days after being deposited with the courier.

## N. COMMUNICATIONS AND PUBLICITY:

The Second & Third Party shall ensure that the name and logo of the first party should appear in all publication material. The Second & Third Party shall ensure that the sign board depicting the name of the First Party be affixed outside the college. The Parties shall consult and agree on all and any intended communications, publications, presentations and documentations relating to this Arrangement/ MoA (jointly the "Communication(s)") in advance prior to the intended release. If a MoA cannot be reached, a Party shall have the right to disclaim endorsement and/or dissociate itself from that Communication(s). No party shall use logo/trade mark etc. of each of the parties without obtaining its prior written concurrence to that effect.

## O. IT IS MUTUALLY UNDERSTOOD AND AGREED BY AND BETWEEN THE PARTIES THAT:

AMENDMENT: Amendment within the scope of the instrument shall be made by mutual consent of the parties, by the issuance of a written modification, signed, and dated by all parties.

INFORMATION OWNERSHIP: All information provided by First Party shall only be utilized for conducting training and placement assistance and First Party holds no ownership over the content prepared by Second party.

PARTICIPATION IN SIMILAR ACTIVITIES: This Agreement in no way restricts First Party from participating in similar activities with other public or private agencies, organizations, and individuals.

NON-FUND OBLIGATING DOCUMENT: This Agreement is neither a fiscal nor a funds obligation document.

ESTABLISHMENT OF RESPONSIBILITY: This MoA is not intended to, and not create any right benefit or trust responsibility, substantive or procedural, enforceable at law, by a Party against First Party or Second Party.



7  
  
APS GmbH European Center for Mechatronics  
Vaalser Str. 460, 52074 Aachen, Germany.






The parties hereto have executed this agreement as of the last written date below.

**For Andhra Pradesh State Skill  
Development Corporation**

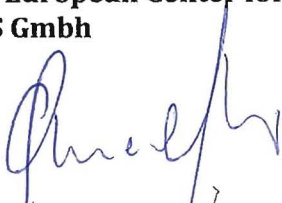


**T. Anil Kumar**  
**Executive Director - I**


**Executive Director**  
Andhra Pradesh State Skill Development Corporation  
Dept. of Skill Development,  
Entrepreneurship & Innovation  
Govt. of A.P. Vijayawada, A.P.

Witness: 

**For European Center for Mechatronics  
APS Gmbh**



**Till Quadflieg**  
**Managing Director**

Witness: 



**APS GmbH European Center for Mechatronics**  
Wolfgang Str. 480 52074 Aachen, Germany.

**For Sagi Ramakrishnam Raju  
Engineering College**



**PRINCIPAL**  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204.  
**G P Saradhi Varma**  
**Principal**

Witness:



**Training Methodology:**

Courses: Three (3) courses spread across three (3) semesters, which will start in January every year.

Phase	ARC 1.0	ARC 2.0	ARC 3.0
<b>Eligibility</b>	6 <sup>th</sup> Semester	7 <sup>th</sup> Semester	8 <sup>th</sup> Semester
	Mech /ECE/EEE	Mech /ECE/EEE	Mech /ECE/EEE
<b>Activity</b>	12 weeks course/ crash course	12 weeks Training + Bachelor project	6 weeks course with job assistance
<b>Course contents</b>	Topics of Mechatronics, Manufacturing, Industrial Automation and Robotics	VR in Automation and Robotics. Studies towards Bachelor project on Industry scale application	Hands on experience/ Bachelor project on Industry scale robots in industrial setup
<b>Location</b>	ARC labs at partnered college/university in India	ARC labs at partnered college/university in India	ECMM, India/Germany
<b>Hours</b>	120	120	6 weeks
	(50% - Teaching/Labs 50% Self learning and Implementation work)		



Signage for ARC Lab





## MEMORANDUM OF UNDERSTANDING

### **NORTH AMERICAN UNIVERSITY**

11929 WEST AIRPORT BLVD  
STAFFORD, TEXAS 77477 USA,

AND

### **SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE**

CHINA AMIRAM, BHIMAVARAM-534204  
ANDHRA PRADESH, INDIA

#### FOR THE DEVELOPMENT OF ACADEMIC COOPERATION IN INTERNATIONAL EDUCATION

The general objective of this Memorandum of Understanding (MOU) is to stimulate and facilitate the development of collaborative and mutually beneficial programs which serve to enhance the intellectual life and cultural development of students, and to contribute to increased international cooperation. Thus, North American University (NAU) and Sagi Rama Krishnam Raju Engineering College (SRKREC) have agreed that in support of their mutual interests.

#### 1. Responsibilities of SRKREC for academic semester exchanges:

SRKREC will:

- Register its own students for the duration of the exchange.
- Submit to North American University the names and academic credentials of students who would like to participate in an exchange.
- Provide the host institution with names of courses that are essential to their own students' curricular plan.
- Ask the student to advise the host institution of any circumstances that may affect his or her semester abroad (e.g. medical condition, disability status).
- Advise its students about academic and cultural expectations at the host university.

#### 2. Responsibilities of North American University for academic semester exchanges:

North American University will:

- Be responsible for admission decisions of students recommended by the home institution.
- Provide an orientation program for incoming students.
- Endeavor to ensure that students are admitted to courses regarded as essential to their academic programs at their home institutions.
- Assign an academic advisor to all incoming students.
- Assist the incoming student in securing housing.
- Inform the incoming student of health insurance requirements.
- Provide the home institution with a final transcript of the student's academic performance.

#### 3. Costs to be borne by the student for academic semester exchanges:

Students will bear the cost of:

- Tuition and fees to North American University.
- Room and board at North American University.
- Their own health insurance and any medical bills or non-mandatory fees.
- Books, living expenses, and any other costs relating to the exchange.
- Transportation to and from North American University.



4. Responsibilities of All Star EDU for the academic semester exchanges:

All Star EDU will:

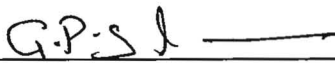
- Assist in providing the relevant documentation for admission to North American University.
- Keep North American University informed of developments in India.
- Deal promptly with all correspondence from SRKREC.
- Promote and publicize educational opportunities at North American University.

[Note: International students studying in the United States must comply with U.S. immigration regulations. Typically, U.S. Immigration law requires that an international student maintain full-time status, prohibits them from taking more than one on-line course per semester, and imposes restrictions on off-campus employment. International students studying in the United States will be required to purchase health insurance to meet certain standards such as medical evacuation and repatriation of remains.]

The primary contacts for this MOU are Principal Dr.G.P.Saradhi Varma for SRKREC and VP for Administrative Affairs Dr. Kadir Almus for the North American University. The parties may enter into specific written agreements whenever appropriate to clarify and define the nature, extent, and terms of operation for the proposed collaborations, including intellectual property ownership and funding issues. Any agreement entered into by these two universities will require the approval of appropriate officers from each institution. All agreements and activities covered under this MOU or entered into by the parties must comply with all applicable laws and regulations, including all U.S. and India export control laws and regulations.

For agreed upon activities, both institutions will make available their facilities and staffs. This MOU will be **valid for five (5) years** unless terminated by one of the parties. Either institution may withdraw from this MOU provided written notification of the withdrawal is given to the other institution at least three (3) months prior to the desired withdrawal date. This MOU may be renewed for another period of five (5) years upon mutual written consent of the two institutions before the expiration date. This MOU will take effect on the date the signatures of the university officials are affixed to this document.


The following authorized individuals have signed the present MOU on behalf of their respective institutions:

  
\_\_\_\_\_  
Dr. G.P. Saradhi Varma  
Principal  
SRKREC **7/2/2019**

\_\_\_\_\_  
Dr. Kadir Almus  
VP for Administrative Affairs  
North American University

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Dinesh Kumar Purohit  
All Star Edu India (P) LTD

**07/02/2019**  
\_\_\_\_\_  
Date



Microchip Academy RTC India



**MICROCHIP**  
Academic Program



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## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) is made this day, the **13th of February 2019**, between:

**Microchip Academic Program Regional Training Center**, having its headquarter at **Trident ICT Academy**, F2, Technology Corridor, Near Infocity, Patia, Bhubaneswar, Pin-751024 (hereinafter referred to as 'MAPRTC' which expression shall include its representatives, successors and assignees) of other part

AND

**Sagi Rama Krishnam Raju Engineering College**, located at China Amiram, Bhimavaram, Andhra Pradesh, Pin 534204, (hereinafter referred to as "SRKREC" which expression shall include its representatives, successors and assignees) of other part

MAPRTC and Institute are jointly referred to as 'Parties' in this MOU.

WHEREAS all parties have expressed mutual interest in setting up the Microchip Academic Program at the premise of the Institute only (not for Group of Institutions).

In consideration of the mutual obligations herein contained, the parties agree as follows:

### OBJECTIVE AND SCOPE OF WORK

The primary objective of the parties is to set up a joint Center of Excellence at SRKREC to provide a platform for exploiting state of art technology, providing technical training, development of intellectual property and providing facilities for the development of products and solutions.

### INSTITUTE RESPONSIBILITIES

1. Institute will ensure that it will first obtain a Microchip Academic Partner Number (APN) from Microchip
2. Institute will create an account on Microchip Direct using the URL [www.microchipdirect.com](http://www.microchipdirect.com)
3. Institute will appoint one person as Single Point of Contact (SPOC) for the MAP Partner program.
4. Institute would train at-least 100 students in every academic year on Microchip Training Courses (online or instructor led)
5. Institute will ensure that at least two faculty members undergo a faculty training program as part of the on boarding process for becoming a Microchip Academic Program Partner.

6. Institute will make sure that it procures all the basic hardware needed to setup a Microchip Lab and complete the on boarding process with MAPRTC
7. Institute would provide space outside the lab for a name board/placard (design provided by MAPRTC) for recognizing Microchip Academic Program MAPRTC will coordinate the donation of software and equipment from Microchip to the Academy.
  - a. Institute will make the placard and put it up within two weeks of receiving the placard design and shall intimate MAPRTC of the same
8. Institute will send one report per semester regarding all the activities conducted as part of the lab
  - a. Number of students trained with their relevant contact information
  - b. Number of students who have undergone Microchip Training Certification
  - c. Number of faculty members who have undergone trainings if any

### **MAPRTC RESPONSIBILITIES**

1. MAPRTC will on board the Academy as Microchip Academy & assist to setup Microchip Lab.
2. As part of on boarding process, two instructor's training will be coordinated by MAPRTC with preferred Microchip Training Partner.
3. MAPRTC will provide course completion Certificate to trained Instructor, on successful completion of the courses.
4. MAPRTC will provide the Academy with coupons to get access online courses through its preferred Training Partner, according to the requested number of students from the Academy.
5. MAPRTC will provide Course Completion Certificate to enrolled students through Microchip, on successful completion of the courses.
6. MAPRTC with gradeME will extend placement assistantship to Microchip Certified Candidates, who are enrolled through MAPRTC.
7. MAPRTC will conduct Student in-person training (paid model), if the Institute is interested, with the support of preferred Microchip Training Partner Eduvance.

### **VALIDITY**

This **MOU is valid for two years** from the date of signing of this MOU. Thereafter the MOU may be renewed for such term and on conditions as may be agreed between the Parties.

### **NO ASSIGNMENT**

Neither party without the written consent of the other may assign either the benefit or the burden of this MOU.

### **TERMINATION**

Either party may terminate the MOU for cogent and logical reasons, by giving to the other party 90 days' notice in writing.



## NOTICES

Notices would be deemed to have been given provided they are sent in writing by registered mail and a copy of the same is faxed to either of the parties by the other party to the following addresses and fax numbers.

**Associate Director, Trident Group**  
**Microchip Academic Program RTC, India**  
Trident ICT Academy  
F2, Technology Corridor, Near Infocity,  
Patia, Bhubaneswar, Pin-751024  
Tel: 9937316299, 9438668887

**Principal**  
**Sagi Rama Krishnam Raju Engineering College,**  
China Amiram, Bhimavaram  
West Godavari District, Andhra Pradesh  
Pin-534204  
Tel: 9848381818, 9948033033

## ENTIRE AGREEMENT

This document represents the entire agreement between the Parties regarding the subject matter of this MOU and can only be amended or modified by an agreement in writing signed by the Parties hereto.


## SIGNATURES

This MOU will come into effect on the day date of signature of the representative of both parties as given:

**For MAPRTC:**

**For SRKREC:**

Signature: 

Signature: 

Name: Mr. Satya Ranjan Biswal

Name: Dr. G.P. Saradhi Varma

Title: Associate Director, Trident Group

Title: Principal

Date: \_\_\_\_\_

Date: 13<sup>th</sup> Feb, 2019

Seal: 

Seal: 

## MEMORANDUM OF UNDERSTANDING

This memorandum of Understanding is entered into on **18.03.2019**

### BETWEEN

1.1 **Andhra Pradesh Fisheries and Ocean University, (APFOU)** having its office at Bhimavaram, India, hereinafter called the "APFOU" through its authorised signatory *Dr. Mohan Kumar Nair* which expression unless repugnant to the context or the meaning thereof shall include its successors and permitted assigns, of the one Part.

1.2 **Sagi Ramakrishnam Raju Engineering College (SRKREC)** having its office at Bhimavaram, Andhra Pradesh 534204 herein after called "SRKREC" through its authorised signatory *Dr. G. P.Saradhi Varma* which expression unless repugnant to the context or the meaning thereof shall include its successors and permitted assigns, of the Second Part.

### AND

1.3 MAZ Investments Ld. (MIL) having its office at, MOSHAV SHTULA P.O.B 46 Western Galilee 2286500, Israel, hereinafter called the "MIL" through its authorised signatory Mr. Akiba Penkar which expression unless repugnant to the context or the meaning thereof shall include its successors and permitted assigns, of the Third Part

1.4 APFOU, SRKREC and MIL shall herein after be collectively referred to as Parties and individually as first party, second party, third party respectively.

## 2. PREAMBLE

2.1 WHEREAS, APFOU, under the aegis of Ananda Group of Companies aspires to be the leading educational and research institute

pioneering in-depth scientific research and understanding of the impact and mechanism of food production in inland and marine aquatic ecosystems to ensure food security and enhance prosperity. These include agriculture, fish farming and shrimp farming.

2.2 The above have helped thousands of people attain economic prosperity and better quality of life. There is also anecdotal evidence of these intensive techniques contaminating freshwater systems where government land-use regulations are flouted. Increased use of antibiotics and other chemical inputs are compromising the long term viability of these production systems. There is a need for systematic study, research and extension under a public-private-partnership to have concurrent policy changes for sustaining the economic productivity and protecting the environment of the coastal districts of India.

2.3 APFOU would like to field test the best available technology, practices and strategies through the fields of nanotechnology, biotechnology, genetics, molecular biology, biochemistry, pharmacokinetics, physiology, and clinical research.

2.4 APFOU is also interested in communicating the environmental and economic impact of research to stakeholders for necessary policy formulation and regulation of the concerned sectors.

2.5 WHEREAS, SRKR is a premier engineering institute and aims to be among the world's foremost academic institutions, through the pursuit of research excellence and the promotion of innovation, by offering world class education to train future leaders in different domains of engineering and by applying science and technology breakthroughs for India's wealth creation and social welfare.

2.6 Being located in Bhimavaram, a cluster town that connects agricultural and aquaculture hotbeds of India, the students predominantly come from families engaged in either or both of these sectors. Irrespective of the degree in engineering earned by the students, it has been observed that they are joining their family business or starting allied businesses that seek to give international edge to export oriented agriculture and aquaculture.



2.7 Water is the most important resource, next to land in agriculture and aquaculture. SRKREC has over 18 Centres of excellence, including Water and Environment Technology Research Centre (WETR), Geospatial Information Centre (GIC), Space Technology Research Centre (STRC), Kolleru Lake Information Centre (KLIC), Delta Research Extension Centre (DREC), Technology Centre, etc., which carry out research and development that balances the development - environment needs of the region. SRKREC has been highlighting the adverse scenarios of various developmental policies based on landuse-landcover studies using Geospatial technology and has been invited by the highest bodies such as Central Water Commission to place the facts on the ground before policy makers.

2.8 The innovations developed by faculty and students in the laboratories and incubation centre of the college have also been patented internationally and won many awards. The sectors with largest technical manpower requirement in the coming years will be Information Technology/IT enabled services, Manufacturing and Construction. SRKREC intends to groom its graduates to use their core competencies in solving industrial problems, including the mechanisation and IT enabling of agriculture and aquaculture to meet international productivity and profitability benchmarks for these key economic sectors in coastal areas of India. The research and development teams and industry interface teams of SRKREC have already executed over 40 MoUs with foreign universities and entities for exchange programmes, research collaboration and technology transfer.

2.9 As an educational institution providing the technology edge to students, it is equally engaged in extension activities in the cluster villages. As part of the Unnat Bharat Abhiyan 2.0, SRKREC as a participating institute has adopted five villages and has undertaken various development and educational activities including in the water sector. The government has setup Reverse Osmosis plants for supplying potable water to villages. However, there is much to be done to improve the quality of the public water supplies, which are particularly affected by the contamination of raw water by intensive aquaculture and agriculture and the dry season. SRKREC would also like to introduce safe water treatment technologies that can be scaled up to treat entire tanks and reservoirs without adverse impact on environment or entailing excessive

cost. SKREC shall facilitate the transfer of internationally best available technology after controlled field trials.

2.10 **WHEREAS** And MAZ Investments Ltd. (MIL) is an SME (Small and Medium Scale Enterprise) based in Western Galilee, Israel offering high-tech products and solutions to water related industries with an aim to make invention and innovation for the welfare of the society. Apart from providing Smart Solutions in several diverse sectors such as Irrigation, Water Supply, Oil and Natural Gas, they have developed innovative water treatment solutions that are low on capital cost and give optimal results for operational costs.

2.11 After successful pilot projects in Europe, South America and the Middle East, by the group companies MIL is looking for test beds in India that could help them customise the solution for food production (aquaculture) applications in water sector. With a patent-pending solution at hand, MIL is looking for partners to conduct field trials with the intention of commercialising the successful iteration of their technology to maintain water quality desirable for organic aquaculture with highest possible productivity.

3. Now APFOU has evinced interest to undertake joint field trials and conduct collaborative research for further extension in partnership with renowned National and International Institutes as well as SMEs.

SRKR and MIL have agreed to work with APFOU in the common areas of interest as mentioned above and carryout field trials.

It will be of benefit to all the parties to work together and carry out research in the chosen common fields of interest.

The APFOU, SRKREC and MIL have mutually discussed and agreed to enter into this understanding as detailed hereinafter. NOW, THEREFORE, in consideration of the mutual promises contained herein and other good and valuable consideration, the receipt of which is hereby acknowledged, the parties agree to carry out the field trials with the following understanding:



#### 4. DEFINITIONS:

In this Memorandum of Understanding, the following expressions shall have the meaning stated herein:

“**MoU**” shall mean this agreement executed between APFOU, SRKREC and MIL and shall include any written modifications thereof and the schedules attached hereto.

“**Applicable Law**” shall mean all the laws national and international, enacted or brought into force as the case may be and enforced by the Governments of the Union of India or the state of Andhra Pradesh or the State of Israel as the case may be, and the regulations and notifications made there under and judgments, decrees, injunctions, writs and orders of any court of record, as may be in force and effect.

“**Effective Date**” shall mean the date of signing of this Agreement.

“**Technology**” means/includes the materials as well as the management methods utilised in the field trials.

#### 5. SCOPE:

Hence this Memorandum of Understanding, between the three parties and it is hereby agreed and understood by and between the parties here to follows with following objectives:-

5.1 Conduct controlled field trials under the supervision of APFOU.

5.2 Study the impact of the proprietary materials used in maintaining conducive water quality conditions for aquaculture.

5.3 Resource sharing, sharing of expertise and facilities.

5.4 Joint publication of research conducted.

5.5 Joint seeking of funding for research

5.6 Training of researchers and field technicians

5.7 Collaborations in the sharing of academic data, scientific information, intellectual Property generated in the field trials, articles and publications.

## 6. RESPONSIBILITIES OF EACH PARTY:

**Responsibilities of APFOU:** APFOU shall offer conducive ponds and farm inputs for each of the field trials. (one in summer, one in rainy/winter season)

- (a) To prepare detailed project report (DPR) jointly in consultation with SRKREC & MIL.
- (b) Provide appropriate field personnel and supervisors for the purpose of study and subsequent follow ups (if required).
- (c) Prepare study / research report in collaboration with SRKR & MIL for eventual publication.
- (d) Undertake the publishing of research/study report at appropriate forums (both print and electronic media) in coordination with SRKR and MIL.

### **Responsibilities of SRKR:**

- (a) Coordination between the three parties for planning the field trials and communicating the data sharing.
- (b) To provide Principal investigators for the study to document insights into research study design and the parameters to be tested.
- (c) Provide domain experts and monitoring team for the purpose of study and subsequent follow ups (if required).
- (d) Preserve study report and relevant data for extension / dissemination purposes.
- (e) Hosting MIL personnel and providing workspace if necessary during visits for field trials.

### **Responsibilities of MIL.**

- (a) To make necessary arrangements for preparation and transportation of the proprietary solutions to the field trial locations or any other premise considered suitable for the conduct of study/research with necessary regulatory approvals for shipping and application of the same.

- (b) Provide necessary expertise and required instrumentation and laboratory support requirements for the conduct of the study. All the instruments required to be used for measurements during the study shall be provided by APFOU and SRKREC may verify water quality parameters as a third party for confirmation.
- (c) Standardize appropriate application and testing procedure.
- (d) Undertake measurements of mutually agreed parameters, with the help of in house scientists and Scientists/PIs from APFOU/SRKREC.
- (e) Compile study results and collate/analyse the data in coordination with APFOU and SRKREC for reporting and publications.

7. **ETHICAL GUIDELINES:** All three parties agree to follow the ethical guidelines laid down by various regulatory agencies for research, and protect the interest, dignity and confidentiality of all the participants including the vulnerable population like children, women etc., All three parties agree to present themselves for review by Institutional Ethics Committee at regular intervals.

8. **BUDGET:** All the three parties agree to jointly prepare the budget for the study project and agree to monitor the same at mutually agreed intervals.

9. **INTELLECTUAL CONTRIBUTION:** The intellectual contributions shall be given credits in the process of executing a research study.

10. **CONFIDENTIALITY:** The parties shall keep the project and the findings/outcomes of the project confidential. The parties to this MoU undertake to maintain confidentiality of Information and Technology involved and generated during the studies. The terms of confidentiality and mode of disclosure shall be as per mutually acceptable Terms.

11. **VALIDITY OF MOU:** The MoU shall remain in force for a period of three years from the date of its signature and seal by three parties and may be terminated by any of three parties, giving a six months notice to that effect in writing.



12. The Parties to this Memorandum may, by mutual consent, add, modify, amend, delete, review or revise any term(s) and conditions of this agreement at any point of time.

13. This MoU shall require the ratification of the competent academic/executive body of both the institutions and the Company.

14. Coordination Committee: To monitor and review the collaborative programme between the APFOU, SRKREC and MIL there is a need to form a coordination committee at the outset.

15. Principal of SRKR or his nominee would be coordinating the research study in areas where they have domain expertise and which have been mutually agreed by both the institutes and the company.

16. Director of MIL or his nominee would coordinate the research study in areas of their core competency.

17. Executive Director of APFOU or his nominee would coordinate the research study in areas of their core competency.

18. The Co-ordination Committee shall:

18.1 Review the progress of the research study at regular intervals, frequency of which will be mutually decided and then submit a report.

18.2 Consider new R&D proposals for joint collaboration and implementation on a case to case basis, including IPR and financial arrangements.

18.3 Consider the addition/deletion of areas of co-operation between the three parties during review.

18.4 Consider the continuance of the MoU.

19. **Termination of Agreement:** The three parties to this Memorandum of Understanding shall have the right to terminate the agreement in case the teams either fail to follow the commitments successfully as mentioned in the agreement, or violates any of the clauses mentioned in the MoU, or exploits the goodwill or misuses the partnership in any way.

In addition to the reasons for termination as set forth above, this agreement may be terminated forthwith if any of the parties voluntarily or involuntarily enters into composition, bankruptcy or similar reorganization proceedings or if applications invoking such proceedings have been filed.

**20. ARBITRATION:** Except as hereinbefore provided, any dispute arising out of this Agreement, the same shall be referred to the arbitration of two arbitrators, one to be appointed by each Party to the dispute, and in case of difference of opinion between them to an umpire appointed by the said two arbitrators before entering on the reference, and the decision of such arbitrators or umpire, as the case may be, shall be final and binding on all three parties. The venue of arbitration shall be at such place as may be fixed by such arbitrators or umpire and the arbitration proceedings shall take place under the Indian Arbitration and Conciliation Act, 1996.

**21. PUBLICATION/IPR:**

21.1 The findings/outcomes shall be compiled and published / disseminated at a time to be decided by APFOU at their discretion.

21.2 Publication will have the joint authorship from APFOU, SRKREC, and MIL and decision on publication will be based on mutual agreement. At no stage a single party will publish the results unilaterally or use the findings in any other research projects/studies in any matter whatsoever.

21.3 The corresponding author organization will primarily be held by APFOU, with joint corresponding authorship from SRKREC and MIL.

21.4 Intellectual property Right (IPR) / Patents of the joint-research projects will be jointly shared by the contributors of APFOU, SRKREC, and MIL.

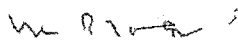
21.5 The cost of publication shall be shared equally by the three parties equally.

22. **NON-DISCLOSURE:** No party will disclose any investigations/outcome of research study to media/any unauthorised person from each institutes/any other agency in any form, whether electronic/print/audio visual/interviews to press etc., without mutual consent.

23. **FORCE MAJEURE:** Neither of the Parties shall be held responsible for non-fulfillment of their respective obligations under this agreement due to the exigency of one or more of the Force Majeure events such as but not limited to acts of God, War, Flood, Earthquakes, Strikes, Lockouts, Epidemics, Riots, Civil Commotions etc., provided on the occurrence and cessation of any such event the Party affected thereby shall give a notice in writing to the other Party within one month of such occurrence or cessation. If the Force Majeure conditions continue beyond six months, the parties shall jointly decide about the future course of action.

IN WITNESS WHEREOF, the parties have caused these presents to be executed in triplicate as of the date of the last signature below.

Accepted and Agreed to

  
Signature

For

U.K.Viswanadha Raju

  
Signature

Dr.G.P.Saradhi Varma

  
Signature

Mr.Akiba Penkar

Seal of 1st party

Seal of 2nd party

Seal of 3rd party

**Memorandum of Understanding (MOU)**

*for*

**The Prospect That Both the Organisations Collaborate On Developing the Joint Academic and Research Co-Operation**

*between*

**Academic Institute: Sagi Rama Krishnam Raju Engineering College (SRKREC),  
Bhimavaram, West Godavari District, Andhra Pradesh.**

*and*

**The ETI Labs Pvt. Ltd., Kashmere Gate, Delhi., 110006.**

**Signed on this 23<sup>rd</sup> day of March, 2019**

Academic Institute Sagi Rama Krishnam Raju Engineering College, Bhimavaram, West Godavari District, A.P., 534202 India	The ETI Labs Pvt. Ltd., Kashmere Gate, Delhi., 110006
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G.R.S. -  
PRINCIPAL  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204

Ledyk



## MEMORANDUM OF UNDERSTANDING

The Memorandum of Understanding between the ETI Labs Pvt. Ltd., Kashmere Gate, Delhi., 110006 and SRKR Engineering college, Bhimavaram, Andra Pradesh is being signed on 23.03.2019. The MOU is being signed on the prospect that both the organisations collaborate on developing the joint academic and research co-operation between the two.

### For Collaborative Research and academic activities:

The scope of MoU is to define a mechanism to promote interdisciplinary research in the area of Embedded system, Internet of Things, Cloud computing, Mobile application development, Machine learning & Artificial Intelligence ; impart vocational and skill oriented training and other hands-on programs to benefit student and staff of both organizations; joint research and academic activities leading to academic excellence; new knowledge generation; innovative technology development; professional skill and competence development; vocational training capacity building and many such synergies of interdisciplinary research through collaboration and networking of Institute and ETI Labs Pvt. Ltd.

### Objective:

ETI Labs Pvt. Ltd. and Institute will undertake joint research work with practical approach to bridge the gap between Industry & academia in the areas of mutual interest:

- To setup a IoT lab for interdisciplinary research in the institute in collaboration with ETI Labs.
- The ETI Labs Team and corresponding faculty members of Institute together will formulate syllabus for academic programs, new courses, joint research projects and training with practical approach with due approval of both the institute and within the framework of rules and regulation governing both the organizations.
- Training programs on state of art topics of interdisciplinary research for faculty, staff, student and technical personnel of the institute within the area of co-operation will be undertaken at both the institutes.
- To work on collaborative research projects involving other agencies of the region and work towards development of country keeping in view the interests and philosophies of each other.

### Internet of Things Lab:

The lab will take care to provide maximum benefit to student/faculty community in terms of:

- a) Developing new pattern of course involving interdisciplinary research.



- b) Provide all the required hardware and software components required for the lab
- c) Hands-on training and vocational course with practical approach.
- d) Technology development and demonstration.
- e) Faculty development programs

### Weather stations

Five weather stations worth Rs. 10,000 each will be provided to the institute by ETI Labs for weather monitoring and dataset generation and further data analysis.

### JOINT CONFERENCE/WORKSHOP/COURSES

Both the parties agree to hold/conduct, whenever feasible, national events, Joint workshops, conferences, training programs within the areas of mutual interest.

### FUNCTIONARIES AND CONTACT ADDRESSES, PHONE, EMAIL.

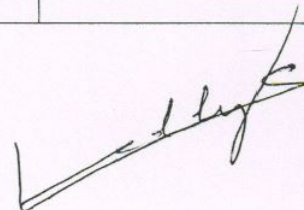
#### Academic Institution:

S. No	Name	Contact Address	Phone / Fax	Email
1	Dr. P.V.Rama Raju	Professor & HOD, Dept. of ECE, SRKREC, China Amiram, Bhimavaram, West Godavari District, 534202 A.P.	Cell. No.: 9398244417	<a href="mailto:pvrriju50@gmail.com">pvrriju50@gmail.com</a> <a href="mailto:pvramaraju41@rediffmail.com">pvramaraju41@rediffmail.com</a>
2	Sri ChalapathiRaju Kanumuri	Assistant Professor in ECE Dept., SRKREC, China Amiram, Bhimavaram, West Godavari District, 534202 A.P.	Cell. No.: 9502066789	<a href="mailto:chalapathirajuk@gmail.com">chalapathirajuk@gmail.com</a>

The ETI Labs Pvt. Ltd., Kashmere Gate, Delhi., 110006

S.No	Name	Contact Address	Phone / Fax	Email
1	Dr.Settipalli Ramanarayana Reddy	EHRQ1, West hostel warden's residence, IGDTUW, cashmere gate, Delhi- 110006	09810101742	rammallik@yahoo.com

G.P.S. —  
PRINCIPAL  
S.R.K.R. ENGG. COLLEGE  
BHIMAVARAM-534 200





2	Manasi Mishra	E-22, Pratap nagar, New Delhi, 110007	09560986506	<a href="mailto:Manasimishra10@gmail.com">Manasimishra10@gmail.com</a> <a href="mailto:manasimishra@etilabs.com">manasimishra@etilabs.com</a>
3	Rachit Thukral	H.No. 46, Nandwani Nagar, Sonapet, 131001	08860340719	<a href="mailto:rachitthukral@etilabs.com">rachitthukral@etilabs.com</a>

All correspondence on day to day matters during the course of the project shall be between respective focal points identified in the above table.

**IN WITNESS WHEREOF, the Parties hereto have caused this MoU to be signed in their respective names on this 23<sup>rd</sup> day of March, 2019**

Principal Sagi Rama Krishnam Raju Engineering College, Bhimavaram, West Godavari District, A.P., India	Director The ETI Labs Pvt. Ltd., Kashmere Gate, Delhi., 110006
---	---

(Seal)



Witness:

Name:

G.P.S.

Address:

PRINCIPAL  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204  
Sagi Rama Krishnam Raju Engineering  
College, Bhimavaram, West Godavari  
District, A.P., India

(Seal)

Witness:

Name:

*(Signature)*  
(S.R.N. Reddy)

Address:

Director  
The ETI Labs Pvt. Ltd.,  
Kashmere Gate, Delhi., 110006

# MEMORANDUM OF UNDERSTANDING

BETWEEN



## SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE

China Amiram, Bhimavaram, West Godavari District  
Andhra Pradesh-534204

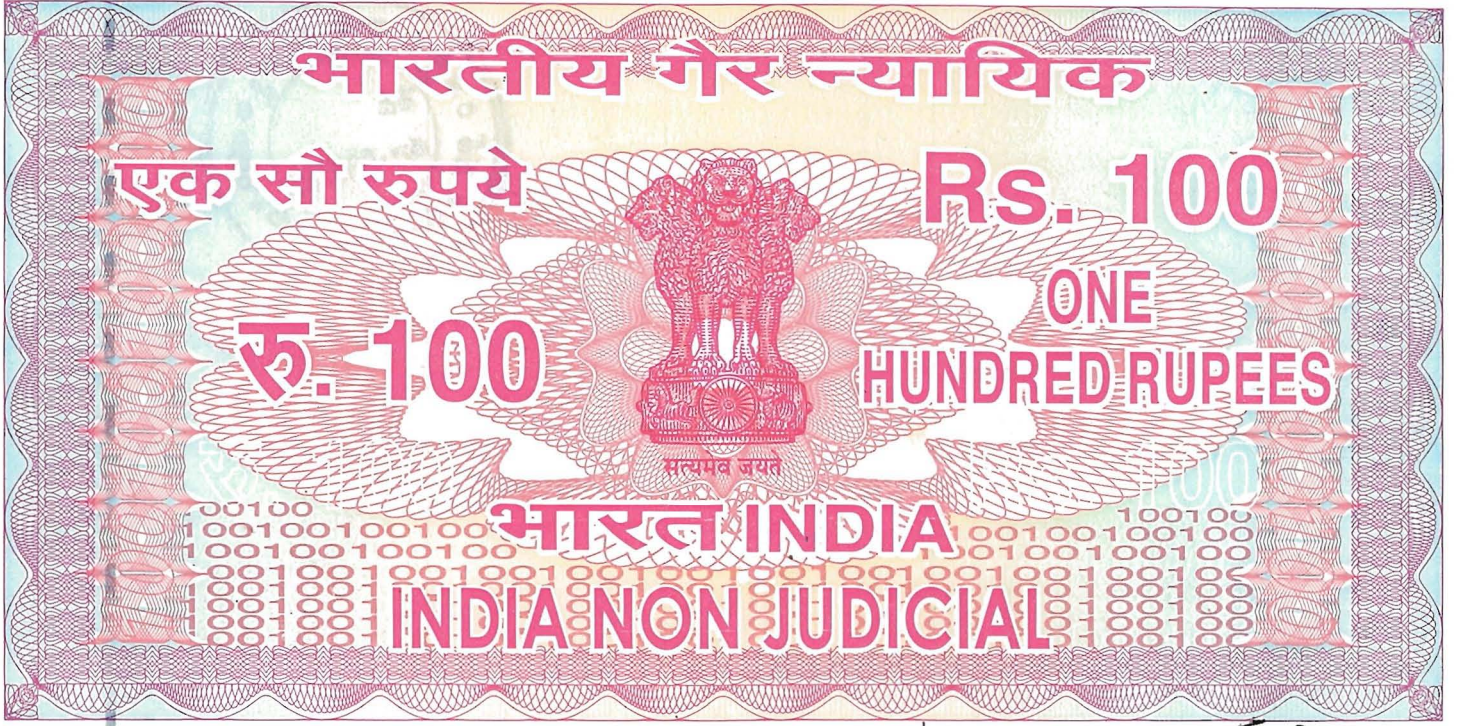
AND



## APPLY VOLT

#40-6/3-3, Srinilayam Building, II floor, Co-operative Bank Colony,  
Moghalrajpuram, Vijayawada, Andhra Pradesh-520010





ఆంధ్రప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

No: 7707 Dt: 24-06-19 Rs 100-

Sold To: ప్రెస్బిటర్ SRKR ఇంజనీరింగ్ కాలేజ్ - నాగార్జునసాగర్

For Whom:

BY 139679

MOLLETI SRINIVASA RAO  
Licenced Stamp Vendor,  
L.No. 04-23-07/2014,  
04-23-042/2017,  
CHAKALIPALEM - 533 249,  
Cell : 9849711101.

## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding/Agreement (hereinafter referred to as MoU) is entered into on 29<sup>th</sup> June 2019

Between

**Sagi Rama Krishnam Raju Engineering College**, having its office at China Amiram, Bhimavaram-534204, West Godavari Dist, Andhra Pradesh and herein after referred as "SRKR Engineering College"

And

**APPLY VOLT**, having registered office at #40-6/3-3, Srinilayam Building, II floor, Co-operative Bank Colony, Moghalrajpuram, Vijayawada-520010, A.P and herein after referred as "APPLY VOLT"

## **1. Introductory: Partnership Objective**

- 1.1. APPLY VOLT is a Value Added Technology Products and Solutions Provider in India. APPLY VOLT develops standard and custom system level products to Industry, provides VLSI, DSP and Embedded/PCB Solutions to Industry & provides Learning Solutions to Educational Institutions in the VLSI / DSP and Embedded Design space. APPLY VOLT serves in different vertical markets with its products and solutions. These sectors are Education, Defense & Corporate. All Solutions will have High Technology content and uniqueness, with its ability to provide diversity of products and solutions around these products.
- 1.2. SRKR Engineering College, Bhimavaram is a Leading Technical College of repute in West Godavari district, Andhra Pradesh India and offers advanced teaching & research programs in the field of Engineering & Technology.
- 1.3. The Parties wish to cooperate with each other for mutual benefit.

## **2. Benefits:**

- 2.1. The Parties contemplate that they will benefit from this alliance as follows:
  - 2.2. **Benefits to SRKR Engineering College**
    - 2.2.1. Opportunity to engage with the Industry on a regular basis to understand the needs of the industry and accordingly update the syllabus.
    - 2.2.2. Opportunity to upgrade the infrastructure in VLSI, DSP, Embedded IOT, PCB solutions and other information technology-related topics.
    - 2.2.3. Opportunity to collaborate with the industry for research programs, projects and student internships in the above fields.
    - 2.2.4. Opportunity to procure various industry standard hardware and software tools pertaining to VLSI, DSP, embedded domain, IOT, PCB from a single organization on a need basis and save time consumed in commercial negotiations, leading to greater availability of time for teaching or student development programs.
    - 2.2.5. Opportunity to conduct Faculty development programs for teaching staff and advanced training to students.





- 2.2.6.Strengthening of the brand equity of the institution.
- 2.2.7.Students will be given an opportunity as interns in each academic year irrespective of branch.
- 2.2.8.Helping in organizing guest lectures from industry experts.
- 2.2.9.Improved marketability of students. Assistance in placements.

**2.3. Benefits to APPLY VOLT:**

- 2.3.1.Allocation of necessary infrastructure within the campus of SRKR during the workshops and training sessions.
- 2.3.2.Sets a framework for the procurement of the industry standard hardware and software tools.
- 2.3.3.Makes available a pool of trained engineers for hiring by APPLY VOLT or customers who use similar software and hardware.
- 2.3.4.Helps APPLY VOLT goal of proliferating the VLSI / DSP / PCB Designs and Embedded Technologies.

**3. Activities:**

- 3.1. In order to implement the objectives of this MOU, the Parties contemplate the following activities to be undertaken by them.
- 3.2. The duration of such agreement can be extended on mutually agreed basis. Any change in MOU or on mutual concerns will be discussed internally and resolved by respective managements.
- 3.3. APPLY VOLT will set up Branch office or Nodal Centre for Labs in the area of VLSI / DSP / PCB and Embedded Systems with mutual agreement.
- 3.4. APPLY VOLT will help SRKR Engineering College to impart certified training programs for students in weekends, summer holidays, evening classes etc.The students will benefit from this as they will have a course completion certificate, project completion certificate and this will help them in the industry.
- 3.5. APPLY VOLT will impart faculty development programs on VLSI / DSP/ IOT / PCB& Embedded Technologies and methodologies and other topics of interest to faculties/staffs of SRKR Engineering College, Bhimavaram. This will be at discounted rates.





- 3.6. APPLY VOLT will offer advanced training programs to students of SRKR on emerging technologies and design flows/methodologies to get them acquainted with the skills required by the industry. Such training programs shall be provided by APPLY VOLT at reduced rates compared to its standard prices.
- 3.7. APPLY VOLT will conduct paid/free training programs or internships not only for SRKR students but also for other students across the state in this center.
- 3.8. APPLY VOLT will offer valuable Industry Perspective inputs to SRKR in the area of curriculum upgrade and enhancement.
- 3.9. APPLY VOLT may consider offering internships to SRKR students and may provide assistance in getting internships to students with some of our/others customers.
- 3.10. The Parties shall conduct joint Technical Seminars, Workshops and Conferences for increasing the awareness of VLSI and embedded technology in colleges on mutual availability.
- 3.11. SRKR Faculties trained by APPLY VOLT can independently conduct training programs in "Nodal Center", and a Completion Certificate for all trainings will be issued jointly by SRKR and APPLYVOLT.
- 3.12. A co-ordination committee consisting of one faculty member of SRKR Engineering College and One Engineer nominated by APPLY VOLT shall be constituted to implement and give effect to the objectives of this MOU.
- 3.13. APPLY VOLT In charge & SRKR Coordinator on mutual concern will discuss & fix the timing for students as per the academic calendar. APPLY VOLT –SRKR should respect individual timings for the above following activities.
- 3.14. Any damage to the infrastructure which is provided by the SRKR to the center will be borne by the APPLY VOLT.
- 3.15. Properties belonging to APPLY VOLT, will be taken back or reused by the organization when so ever it requires for internal transfer or for the benefit of the company during the MoU period or after the MoU.

**4. Process:**

Every time an activity is initiated under this MOU which requires any rendering of services, or supply or products, or both, from one Party




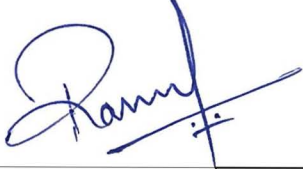
to another, the Parties shall, depending on the nature of the transaction, the consideration reserved, liabilities assumed and such other factors, execute a binding purchase order (PO), work order (WO), license agreement or other definitive contract.

**5. General:**

- 5.1. During their interaction under this MOU, the Parties may not disclose information of non-public nature which is valuable to each Party's business ("Confidential Information"). Use of Confidential Information shall be regulated by a non-disclosure agreement to be executed by the Parties. In the absence of such an NDA, the Party who is the recipient of Confidential Information shall keep confidential and not disclose to third parties such Confidential Information. Confidential Information shall be returned or destroyed upon written request by the party disclosing Confidential Information. All Confidential Information shall remain the exclusive property of the disclosing party or its licensors.
- 5.2. All rights, licenses and permissions to use any products supplied by APPLY VOLT shall be regulated by the terms of such supply, including any applicable product license agreements.
- 5.3. Notwithstanding anything to the contrary, APPLY VOLT liability shall be limited to direct damages not exceeding the price of any products supplied or services rendered to SRKR and shall not extend to any indirect damages of any nature whatsoever, including but not limited to, special, incidental, consequential, or punitive damages or loss of profits.
- 5.4. This MOU may be terminated by either party without assigning reasons by prior written notice of 60 days.
- 5.5. Each Party is permitted to use the name, logo and other trademarks of the other Party on its website, marketing collateral and other publications. Depiction of such trademarks shall be in accordance with trademark usage guidelines.
- 5.6. Each Party shall be an independent contractor to the other and shall not be an agent, joint venture, or partner of the other.
- 5.7. Disputes under this MOU shall be resolved by discussion between such senior management functionaries as the Parties may nominate for that purpose. If they fail to resolve a dispute amicably within 15 days of its commencement, the Parties shall refer the dispute to binding arbitration to a sole arbitrator at a place mutually agreed upon by both parties.



5.8. The **MoU will be valid for a period of 2(two) years** from the date of signing the MoU and can be renewed with mutual consent.

	<b>SRKR Engineering College</b>	<b>APPLY VOLT</b>
Signature		
Name	<b>Dr. M. Jagapathi Raju</b>	<b>K. Ramesh Naidu</b>
Designation	<b>Principal (I/c)</b>	<b>Co-Founder</b>
Date	<b>29<sup>th</sup> June 2019</b>	<b>29<sup>th</sup> June 2019</b>





# CHIEF MINISTER'S SKILL EXCELLENCE CENTER



## MEMORANDUM OF AGREEMENT (MoA)

BETWEEN

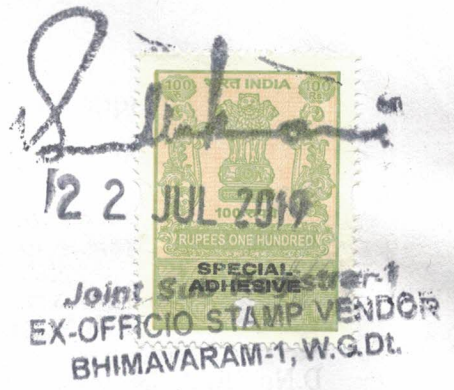
**ANDHRA PRADESH STATE SKILL DEVELOPMENT CORPORATION**

AND

**Sagi Rama Krishnam Raju Engineering College(Autonomous),  
Bhimavaram**

Skill Development, Entrepreneurship & Innovation Department  
(SDE&I. Dept.), Government of Andhra Pradesh.





**AGREEMENT BETWEEN**

**ANDHRA PRADESH STATE SKILL DEVELOPMENT  
CORPORATION**

**AND**

**SAGI RAMAKRISHNAM RAJU ENGINEERING COLLEGE  
BHIMAVARAM**

SOCIETY FOR  
SAGI RAMAKRISHNAM RAJU ENGINEERING COLLEGE  
BHIMAVARAM



The Agreement is executed on this 22<sup>nd</sup> day of July 2019 (Effective Date) by and between,

**Andhra Pradesh State Skill Development Corporation**, having its Corporate Office at D.No.78/2, G&J Infra Infosight Building, Near Pathuru Junction, Tadepalli - 522501 herein referred to as "APSSDC" (which expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its successors and assigns) represented by its Authorized Signatory of the first part;

**And**

**SAGI RAMAKRISHNAM RAJU ENGINEERING COLLEGE** having its corporate office at **Chinna Amiram, Bhimavaram, West Godavari, Andhra Pradesh 534204** herein after called **SRKREC, Bhimavaram** (which expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its successors and assigns) represented by the **CHAIRMAN** of the second part;

APSSDC and College shall herein after be collectively referred to as Parties and individually as first/second Party.

**WHEREAS:**

APSSDC is a unique organization formed as a public private partnership (PPP) corporation to promote skill-development & entrepreneurship in the state of Andhra Pradesh. APSSDC is the Executive Agency for the Department of Skill Development, Entrepreneurship and Innovation, Govt. of Andhra Pradesh (GoAP) serving the important task of providing high quality skilled manpower as part of the Knowledge and Skills Mission of GoAP. The main objective of the Corporation is to implement a structured and pragmatic solution to skill & upskill the workforce in the State of Andhra Pradesh and to increase employability and promote entrepreneurship in sync with Industrial growth of the State. The process of developing large pool of skilled manpower has been envisaged in partnership with industry to make the skill development mission more industry relevant and self-sustainable. In the process of achieving these goals, the GoAP has





incorporated APSSDC as a special corporate which shall strive for the appropriate and demand driven Skill Development.

APSSDC in its several meetings have discussed and decided to achieve the goal of skill development with participative approach of the stakeholders' viz. the Government, Industry, academic institutions, youth and all other stakeholders. This participative approach will go a long way in accomplishing the task in economical, appropriate proportions with relevance in the shortest period. The APSSDC would provide the extra infrastructural requirements at the selected academic institutions in order to extend the skilling activities and thus realizing the objectives of APSSDC. In this process, the APSSDC has selected some of the leading Engineering Colleges/Govt. Polytechnics/Industry associated training institutions for providing the additional infrastructural facilities required for running the Skill Development programs.

APSSDC and the College/ Institution which is selected for **CM's Skill Excellence Center (SEC) - ICT Lab** have mutually discussed and agreed to enter into this agreement as detailed hereinafter.

NOW, THEREFORE, in consideration of the mutual promises contained herein and other good and valuable consideration, the receipt of which is hereby acknowledged, the parties agree as follows:

## 2.1 DEFINITIONS:

In this Agreement, the following expressions shall have the meaning stated herein:

**"Agreement"** shall mean this agreement executed between APSSDC and College and shall include any written modifications thereof and the schedules attached hereto.

**"Applicable Law"** shall mean all the laws national and international, enacted or brought into force as the case may be and enforced by the GoI or GoAP as the case may be, and the regulations and notifications made there under and judgments, decrees, injunctions, writs and orders of any court of record, as may be in force and effect.

**"CM's Skill Excellence Centre - ICT Lab"** shall mean multi-skill focused Centres of Excellence (CoE) at reputed Engineering Colleges in CSE, IT, ECE, EEE, Mechanical and Civil streams. These **CM's Skill Excellence Centers - ICT Labs** will be selected,



established and implemented by APSSDC in active collaboration and assistance from the host College, as per the terms of this Agreement.

“GoAP” means the Government of Andhra Pradesh and its concerned department, Skill Development Entrepreneurship & Innovation.

“Equipment” means/includes Laptops, Projector, Wi-Fi routers, Audio system

### 3. SCOPE OF SERVICES / PROJECT

- a. To make qualitative improvements in imparting Technical Skills by setting up or providing:
  - Infrastructure in college laboratories by adopting latest technologies in engineering streams of CSE, IT, ECE, EEE, Mechanical and Civil to serve the needs of the industry;
  - Skill up-gradation of faculty by imparting training;
  - **CM's Skill Excellence Centre - ICT Labs** to focus on training students in line with the latest Industry needs and make them more employable
- b. **Promote Industry** – Academia interfacing to make improvements in Technical Skills sustainable and in line with Industry requirements.
- c. **Train students to improve employability** - Improved placements of students in colleges and enable the students to compete and succeed in national employment market with better remuneration and professional growth.
- d. Create a pool of skilled manpower to cater to the current and future industrial and service sector needs.
- e. Follow Guidelines and procedures prescribed / as may be prescribed from time to time by APSSDC for implementation.

### 4. SCOPE OF THE FIRST PARTY

The APSSDC shall

- Select reputed academic/Industrial Training Institutions through a stipulated procedure;
- Provide a platform for registration of trainees online and mapping of institutions and students;





- Provide equipment with latest technology to fill up the gap required to suit the skill development training requirements –laptops (as per the configuration given in Annexure I);
- Prepare over all calendar programs and communicate to Second Party;
- Train the faculty in the requisite and relevant skill;
- Exercise its right to cancel the permission now granted to the institutions in the event of not fulfilling their obligations.

## 5. SCOPE OF THE SECOND PARTY

The College shall:

- Provide a minimum of 750 sq.ft area for setting up the lab;
- Make available the necessary infrastructure as per the project specifications including electrical fittings, electricity and Power backup, water, furniture and fixtures and Air-conditioning;
- Provide adequate security: The College is responsible and accountable for the safety of the lab equipment;
- Ensure internet connectivity of 150Mbps bandwidth;
- Mobilize faculty and students of the college/institution for trainings and Certification;
- Make necessary efforts and ensure maximum participation of students belonging to Scheduled Caste (SC) and Scheduled Tribe (ST) Categories
- Appoint a Centre Coordinator as Single point of contact person (SPOC) for handling all administrative and programme related activities for smooth functioning of the Centre;
- Ensure to mark the daily attendance of candidates in the suggested mode (manual or bio metric or iris scan );
- Make a commitment on the count of faculty and students for APSSDC Training programs as mentioned - **50% of annual intake / students on rolls** – for participation in APSSDC programs like Workshops, online programs, Certification programs, any other programs announced by APSSDC from time to time out of which 50% students are to get certified from the Globally recognized MOOCs;

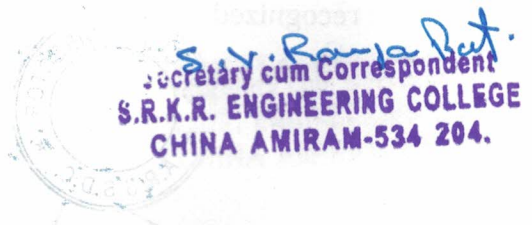




- Allow at least 50% of intake capacity to students of other colleges with residential facilities **(100 boys & 50 girls at nominal cost)** i.e., food & accommodation.
- *Provide Food and accommodation for 5 mentors (boy / girl) deputed by APSSDC to the college to co-ordinate and execute the APSSDC programs without any charges;*
- Setup one Skill Development Center lab and equip it on the lines of CM's SEC for APSSDC training exclusively;
- Have to bear the maintenance cost of equipment at the college after the warranty lapses

**Compliances:**

- **KPIs** – Key Performance Indicators (KPIs) will be developed in mutual consultation with colleges and APSSDC.
- **Monitoring:** *The activities of CM's Skill Excellence Centers - ICT Labs shall be regularly monitored through an IT monitoring system at APSSDC on a real time basis and also through the monitoring committee of APSSDC.*
- **Management Information System:** *All reports and documents relating to progress of the students on rolls, Accounts, Audit and Annual Work Plan, as specified at such frequency as may be required by 'THE FIRST PARTY' are to be submitted through MIS.*
- *Details of Data of Number of students passed out, placed (Trained for Employability), and unplaced on year-on-year basis.*
- *Institutions will face punitive action amounting to withdrawal of allotment of Centre given under this Project if it is found that the college:*
  - ❖ *Is Charging capitation fee or indulging in any other malpractice*
  - ❖ *Provided false data in their reports*
  - ❖ *Is Unable to achieve targets set by APSSDC/themselves in Proposals consistently*
  - ❖ *Violated any of the terms and conditions of this Agreement*



## 6. REVENUE GENERATED

The Revenue generated from the programs being implemented by APSSDC will be the sole income of APSSDC as per the Course wise fee structure provided at Annexure -II which may be periodically updated as and when required.

## 7. BREACH OF AGREEMENT & REMEDIAL PERIOD

APSSDC shall have the right to terminate this Agreement without assigning any reasons by giving prior written notice of 60 (Sixty) days through its authorized signatory. Without prejudice to the above, either Party may terminate this Agreement by giving 30 (Thirty) days' written notice through its authorized signatory in the event of any material breach of any of the material terms of this Agreement by the other Party. The non-defaulting party shall first serve a written notice of its intention to terminate this Agreement to the defaulting party highlighting the material breach and giving the defaulting party a period of 30 days or such extended period as may be mutually agreed to within which to remedy the material breach. If such event of a material breach remain unresolved/unrectified within the said notice period of 30 days or such extended period as may be mutually agreed to, the non-defaulting shall be able to terminate the Agreement forthwith.

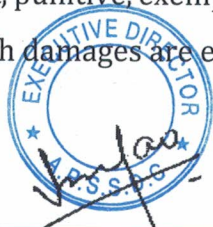
## 8. CONFIDENTIAL INFORMATION

Each Party may disclose Confidential Information:

- a) to the extent to which it is required to be disclosed pursuant to Applicable Law;
- b) to the extent to which it is specifically permitted by the other Party in writing;
- c) to the extent that the Confidential Information is publicly available and
- d) to its employees and professional advisors, but only to the extent necessary and subject to such employees and professional advisors accepting an equivalent confidentiality obligation to that set out in this Clause Confidentiality.

## 9. LIMITATION OF LIABILITY

Except as agreed and provided under this Agreement, neither of the Parties shall be liable to bear or pay any damages arising out of loss of income, loss of profit, special, incidental, indirect, punitive, exemplary or consequential, to any party including third parties, and all such damages are expressly disclaimed.





## 10. DISPUTE RESOLUTION

The Parties shall endeavor to resolve all or any dispute or difference arising out of or in connection with this Agreement, amicably within 30 days of notice in writing being issued by the non-defaulting party to the defaulting party indicating such dispute or difference. In case no amicable solution is arrived between the Parties within the said 30 days, then such dispute/s shall be settled through Arbitration as per the provisions of the Arbitration and Conciliation Act, 1996 as amended from time to time. The arbitration shall be done by Sole Arbitrator appointed by APSSDC. The written award of the Arbitrator shall be final and binding on all the Parties. The seat and venue for the arbitration proceedings shall be at Vijayawada, Andhra Pradesh.

## 11. FORCE MAJEURE

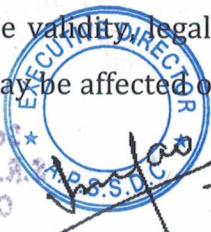
If the performance of any part of this Agreement by parties is prevented or delayed by acts of civil or military authority, flood, fire, epidemic, war or riot, or other acts beyond the reasonable control of either party, the party affected shall be excused from such performance only during the continuance of any such event.

Where a Party is claiming suspension of its obligations on account of Force Majeure, it shall promptly, but in no case later than five (5) days after the occurrence of the event of Force Majeure, notify the other Party in writing giving full particulars of the Force Majeure, the estimated duration thereof, the obligations affected and the reasons for its suspension.

The Party asserting the claim of Force Majeure shall have the burden of proving that the circumstances constitute valid grounds of Force Majeure under this clause and that such Party has exercised reasonable diligence and efforts to remedy the cause of any alleged Force Majeure. If the parties are unable in good faith agree that a Force Majeure event has occurred, the Parties shall submit the dispute for resolution pursuant to clause 10 hereof provided that the burden of proof as to whether a Force Majeure event has occurred shall be upon the Party claiming a Force Majeure event.

## 12. SEVERABILITY

If any provision or provisions of this Agreement shall be held to be illegal, invalid or unenforceable, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired there by and the parties hereto agree to





replace the illegal or unenforceable provisions with valid provisions which are as close as possible to the illegal or unenforceable provisions in their respective meaning, purpose, and commercial effect within reasonable time.

### 13. NOTICE

13.1. Any notice or other document to be given under this Agreement shall be in writing and shall be deemed to have been duly given if left at or sent by:

- (a) hand; or
- (b) registered posts; or
- (c) facsimile or other electronic media;

to the other party at the following addresses and/or telecommunication number or such other addresses as the party may from time to time designate by written notice to the other(s):

**APSSDC**                      **Andhra Pradesh State Skill Development Corporation**  
**Door No. 78/2, G&J Infra Infosight Building,**  
**Near Pathuru Junction, Tadepalli - 522501**

**College/**                      **SAGI RAMAKRISHNAM RAJU ENGINEERING**  
**Institution**                      **COLLEGE**  
  
**Chinna Amiram, Bhimavaram, West Godavari,**  
**Andhra Pradesh 534204**

13.2. All such notices and documents shall be in the English language. All notices or other documents shall be deemed to have been received by the addressee in the case of dispatch by post, five (5) working days following the date of dispatch of the notice or document and in the case of dispatch by hand or by facsimile or other electronic media, simultaneously with the delivery or transmission (as the case may be). To prove the giving of a notice or other document it shall be sufficient to show that it was dispatched in accordance with the provisions of Clause 13.1 hereof.

### 14. PERIOD OF VALIDITY

This Agreement is effective from 1st Nov 2018 and shall be in force for a period of three years, unless terminated by mutual consent of the parties.



## 15. GOVERNING LAW AND JURISDICTION

This Agreement shall be governed and construed in accordance with the laws of India and subject to the arbitration clause mentioned above, the courts of Andhra Pradesh shall have the jurisdiction to entertain any dispute or suit arising out of or in relation to this Agreement.

## 16. PUBLICITY

Neither party shall make any public disclosure, except as may be required by applicable law, relating to discussions and or terms related to this Agreement, without obtaining the prior written consent of the other party. Either party shall not use and shall not let their employees, agents and subcontractors from using the name, trademark or logo of other party in any sale, marketing publication, advertisement, or other publication. Either party shall not make, or let its employees, agents or subcontractors make, any public statement relating to the other party.

## 17. RELATION OF THE PARTIES

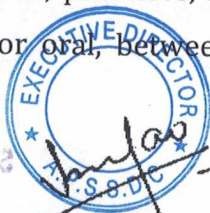
Nothing herein shall be construed to neither constitute a partnership between the parties hereto nor to authorize the College save and except as provided herein or with the APSSDC's prior consent in writing, for making any representation.

## 18. MODIFICATION, AMENDMENT, SUPPLEMENT OR WAIVER

No modification, amendment, supplement to or waiver of this Agreement or any of its provisions shall be binding upon the parties hereto unless made in writing and duly signed by the authorized representative of the party against whom enforcement thereof is sought. Any failure or delay of any party to this Agreement to enforce at any time any of the provisions of this Agreement or to exercise any option which is herein provided, or to require at any time performance of any of the provisions hereof, shall in no way be construed to be a waiver of such provisions of this Agreement.

## 19. ENTIRE AGREEMENT

This Agreement together with all Appendices, Attachments and Addenda attached hereto constitute the entire agreement between the parties and supersedes all previous agreements, promises, representations, understandings and negotiations, whether written or oral, between the parties with respect to the subject matter hereof.





## 20.ASSIGNMENT

The Second Party shall not be entitled to, nor shall it purport to, assign this Agreement, without prior consent of the First Party.

This Agreement is prepared in two originals and each party shall retain one copy. Each copy shall be treated as original when taken separately and shall constitute as one when taken together.

In token of agreement and acceptance hereof by the two parties the authorized representatives of the two parties hereto have affixed their signatures herein below in the presence of witnesses as under:

**SIGNED ON BEHALF OF**

**ANDHRA PRADESH STATE SKILL DEVELOPMENT CORPORATION**

Signature: \_\_\_\_\_

(Name: **Dr. B Nageswara Rao**)



Designation: **Executive Director**

**SAGI RAMAKRISHNAM RAJU ENGINEERING COLLEGE ,**

**Chinna Amiram, Bhimavaram, West Godavari, Andhra Pradesh 534204**

Signature: \_\_\_\_\_

Name: S.V. Ranga Raju

**S.V. Ranga Raju**  
**Secretary cum Correspondent**  
**S.R.K.R. ENGINEERING COLLEGE**  
**CHINA AMIRAM-534 204.**

Designation: **CHAIRMAN**

**Witness**

Name: Dr. M. Jagapathi Raju

Name : Dr. N.G.K. Murthy

Signature: M. Jagapathi Raju

Signature: N. G. K. Murthy

Designation: Principal

Designation: SPOC - APSSDC - SDC  
Head - Technology Centre



ANNEXURE-I

<b>Laptops : 37 No.</b>	
<b>Make and Model : Acer TMP 249-G2-M</b>	
<b>Technical Specifications</b>	
Processor	Intel Core i5-7200U Processor @ 2.5 GHz(Turbo Boost Upto 3.1 Ghz), 3MB Cache, 2-cores
Memory	16 GB DDR4 Memory, 2133 MHz
Internal Storage	500 GB SATA
Wireless Connectivity	Integrated wireless & Integrated Blue tooth.
Display Size	14"
Display Resolution	1366 x768
Webcam	Built-in Webcam.
Battery	5 Hrs Backup
VGA Port	Yes
HDMI Port	Yes
USB 2.0 port	1
USB 3.0 port	2
Operating System	BOSS Linux
Keyboard	External;
Mouse	External;



CHINNA MARU-534 504  
S.R.K.R. ENGINEERING COLLEGE  
SOCIETY FOR CONSTRUCTION

*Annexure – II*

**Details of course wise fee**

S No	Programs Offered for ECE, EEE & EIE	Duration	Fee
1	Embedded systems Fundamentals ( Embedded C ,8051)	6 Days	150
2	Embedded Systems Advanced ( ARM )	3 Days	300
3	Internet of Things ( IoT )	1 Week	300
4	PCB ( Software )	3 Days	100
5	PCB ( Hardware )	3 Days	100
6	Arduino With Scratch	3 Days	100
7	Mathematical Operations With scilab for Engineering Applications	3 Days	100
8	SciLab	3 Days	100
9	PLC	6 Days	300
10	SCADA	6 Days	300

S No	Programs Offered for Mechanical Engineering students	Duration	Fee
1	AUTOCAD	6 days	250
2	CATIA Phase -I (Modelling)	6 days	250
3	CATIA Phase - II (Surfacing)	6 days	250
4	Solid Edge	6 days	250

S No	Programs Offered for Civil Engineering students	Duration	Fee
1	AutoCAD	6 days	250
2	Revit Architecture	6 days	250
3	Revit Structure	6 days	250
4	ETABS	6 days	250

S No	Programs Offered in Gaming : ( Computer Engg/ECE students	Duration	Fee
1	Game Development using Buildbox	3 days	100
2	Fundamentals in Game Development using Unity3D & C#	6 days	250

S No	Programs Offered in Amazon Web Services( AWS) for Computer ENGG/ECE students	Duration	Fee
1	Cloud Literacy	1 Day	Free
2	Cloud Computing_101	2 Days	Free
3	ALEXA SKILLS	5 days	100
4	Associate Cloud Architect	5 days	100

S No	Programs Offered in Python for all Engg. Students	Duration	Fee
1	Python Basics	3 Days	150
2	Advanced Python	3 Days	150
3	Applied Data Science foundations	3 Days	150
4	Web Development with Python	6 Days	300

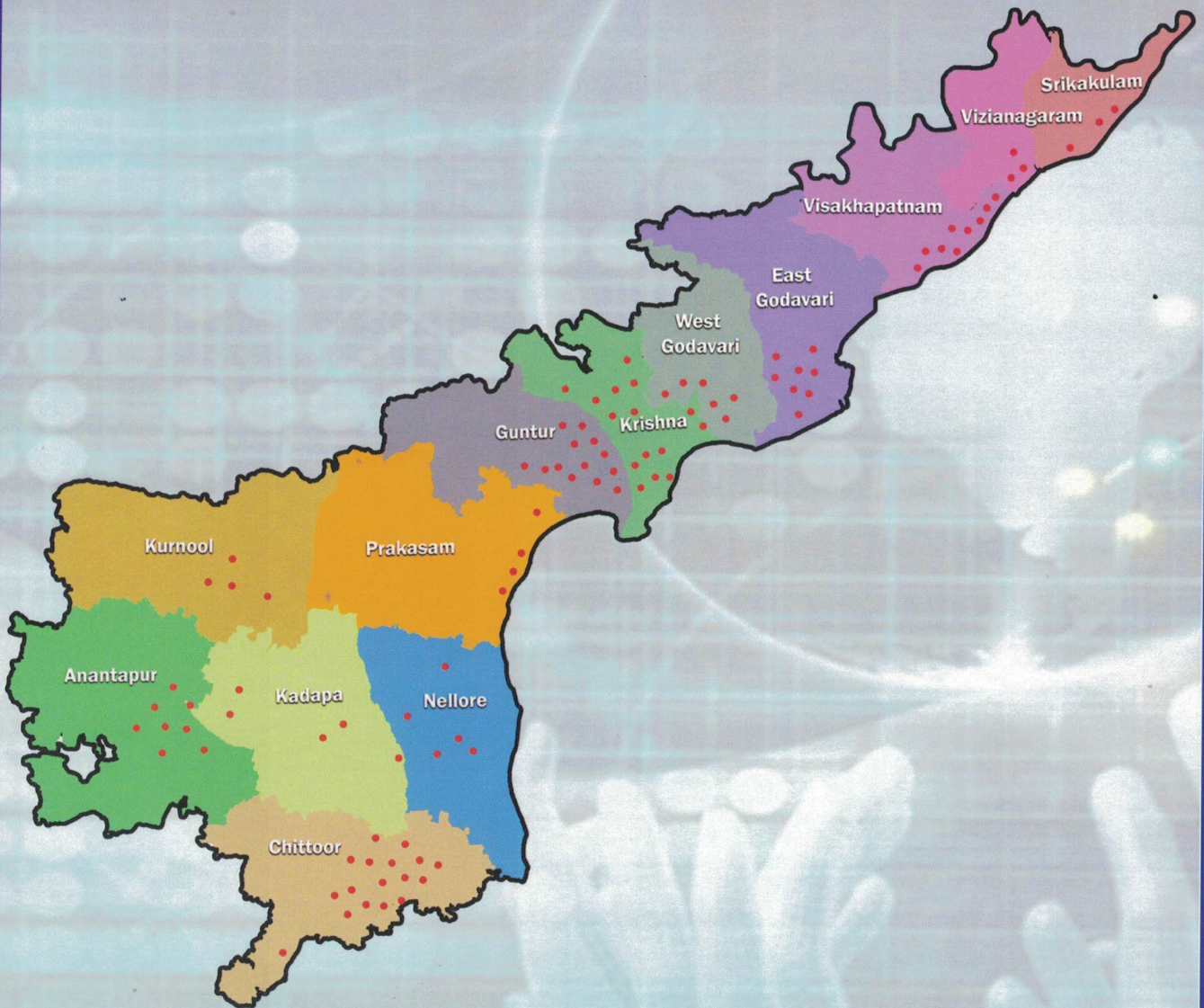
S No	Programs Offered in Problem Solving & Programming	Duration	Fee
1	Raptor	3 Days	100
2	Data Structures and Algorithms	6 Days	250
3	Problem Solving Skills Using C	6 Days	250
4	Programming Content & Challenges(Coding Training)	6 Days	250

S No	Programs Offered in Coursera Certifications:	Duration	Fee
1	1. An Introduction to Programming the Internet of Things (IOT) Specialization- Coursera	18 Days	2800
2	2.Development of Secure Embedded Systems Specialization - Coursera	12 Days	
3	Python for Everybody	14 Days	2800
4	Applied Data Science with Python	1 Month	
5	Introduction to C# Programming and Unity , More C# Programming and Unity	12 days	2800





# CHIEF MINISTER'S SKILL EXCELLENCE CENTER



**Andhra Pradesh State Skill Development Corporation**

Department of Skill Development, Entrepreneurship & Innovation, Govt. of Andhra Pradesh  
3<sup>rd</sup> floor, G&J Infra Building, Tadepalli, Andhra Pradesh 522501



Website: [www.apssdc.in](http://www.apssdc.in)

Toll Free: 1800-425-2422



## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding between **Sagi Ramakrishnam Raju Engineering College (A)** (SRKR Engineering College) and **Tvameva Social Impact And Development Foundation (TSIDF)** is to collaborate and to take forward with Synergy various initiatives of Unnat Bharat Abhiyan Scheme in encouraging village level enterprises on selecting TSIDF as "Voluntary Organisation" for facilitating, promoting and managing market creation and supply chain development of Products developed and produced by Self-Help Group women and Fruits & Vegetable Farmers. Both the organizations entered into this **MoU on 11<sup>th</sup> July, 2019** at Hyderabad.

### Between

Sagi Ramakrishnam Raju Engineering College (A) (SRKR Engineering College) represented by the Principal, having its office at China Amiram, Bhimavaram, India. Here inafter, shall be referred to as the "**First Party**" which expression shall unless repugnant to the context mean and include its successors and permitted assignees.

### And

Tvameva Social Impact And Development Foundation (TSIDF) represented by its Managing Director, having its office at Flat 901, J Block, Aparna Sarovar, Kancha Gachibowli, Hyderabad- 500046, India. Hereinafter, shall be referred to as the "**Second Party**" which expression shall unless repugnant to the context mean and include its successors and permitted assignees.

(SRKREC and TSIDF, Hyderabad hereinafter collectively referred to as 'parties' and individually as the 'party').

1. WHEREAS Sagi Ramakrishnam Raju Engineering College (SRKREC) was founded in 1980 as a College was registered under the section 2 (f) of the UGC Act and it is eligible to receive central assistance under section 12 (b) of UGC. It is a co-educational, autonomous private Engineering

*M*  
I/c. Principal  
S.R.K.R. Engineering College  
(Autonomous)  
China Amiram, Bhimavaram-534 204.

*Shruthi Varma*

For Tvameva Social Impact And  
Development Foundation

Executive Member

college. It is one of the oldest seminaries formed in 1980's to provide a better quality technical education to students.

2. WHEREAS Tvameva Social Impact And Development Foundation (TSIDF) was founded as a Society registered under Societies Registration Act,1860 to establish sustainable entrepreneurial models with scale up potential involving innovation, technology, stakeholder support and welfare motto.
3. WHEREAS both the parties expressed the desire to utilize their respective institutional strengths and expertise with them in furtherance of their mandates in diverse areas.

**NOW THIS MEMORANDUM OF UNDERSTANDING WITNESSES AS FOLLOWS :**

**1. Objectives and Scope of work :**

The objective of the MoU is to establish collaboration between both the parties to undertake the development activities for Rural Development/Transformation through:

- a. Facilitation in creating markets for Women Self-Help Group and Fruits & Vegetable farmers through market creation and linkage.
- b. Formation of Supply Chain and logistics linkage to the created market.
- c. Facilitation in Product training, Innovations, Quality Assurance and other opportunities to low-income group (or) Self-Help Group women and Fruits & Vegetable Producing Small & Medium scale farmers.
- d. Mutually exploring source of funds as necessary.

**2. Project Based Collaborations :**

Both the parties from time to time may discuss and draw up theme based projects with a detailed implementable action plan, financial commitments, specified outputs, roles and responsibilities etc. Exchange of duly signed project, so drawn up, by both the parties deemed to have become part of this MoU and all covenants of this MoU will be applicable to such products.

M  
**I/c. Principal**  
**S.R.K.R. Engineering College**  
**(Autonomous)**  
**China Amiram, Bhimavaram-534 204.**

*Sharath Varma*

**For Tvameva Social Impact And  
Development Foundation**

**Executive Member**



### 3. Mutual Obligations :

Both parties agree to undertake the following:

- a. Maintain transparency in all its project related partnerships that may include supporting in reaching out to the constituency, gathering relevant data, sharing of available data and information and having a proper channel of communication.
- b. Convene meetings at regular intervals to amicably sort out issues/disputes etc., if any.
- c. Each party shall designate a key official who will participate in meetings and facilitate all discussions between the Parties to ensure that the collaboration is implemented as per the MOU.
- d. The key professional staff of both the parties will be made available for interactions and discussions as and when required in mutual consultation and play an important role in the execution of mutually agreed assignments.
- e. Both parties will enable to use its expertise in Project Planning, Guidance etc., activities and their respective infrastructure and pool funds for each assignment as per the mutually agreed terms.

### 4. Duration and Validity of Partnership :

The present partnership will be for **One year from the date of signing** the MoU. It may be renewed thereafter for another period, based on mutual agreement with or without modifications to the present MoU. Extension / reduction of the duration and / or expansion of its scope is to be undertaken through mutual discussion between the competent authorities of both organizations. Such modification will be based on mutually accepted terms and conditions.

### 5. Implementation Arrangement :

In order to operationalize this MoU, the following implementation arrangement is proposed:

- a. **Staff:** Both parties will identify their staff/faculty/mentors who will be responsible for the assignment/ project for coordination purposes and will meet as necessary in order to accomplish the purposes of this MoU.

  
I/c. Principal  
S.R.K.R. Engineering College  
(Autonomous)  
China Amiram, Bhimavaram-534 204.

  
For Tvameva Social Impact And  
Development Foundation

**Executive Member**

- b. **Work Plan:** A clear work plan would be mutually shared with timelines, division of responsibilities and details specified for each joint assignment / project.
- c. **Review mechanisms:** A clear cut review mechanism would be in place for addressing issues if any and to review progress and grievance redressal for all engagements between the Parties
- d. **Deliverables:** The deliverables would be mutually agreed upon for each engagement / project separately by the Parties
- e. **Financials:** Each assignment would be discussed and agreed upon by both the parties.
- f. **Accounts and Audit of Expenditures:** For all specific engagements under this MoU, both parties will maintain all relevant records including bills and receipts etc.
- g. **Confidentiality:** Both the parties within the framework established by the MoU, will keep confidential all sensitive, data, material etc. Releases to the press, public announcements, relating to this MoU may be made jointly or by either party with the consent of the other party.

**6. Roles and Responsibilities:**

**i) Tvameva Social Impact And Development Foundation:**

- a) Creating a new common brand for both the projects and doing recruitments with the pool of common resources shared from both the parties and from other sources.
- b) Selecting well qualified and motivated field level staff, administrative staff, supply chain staff and managers of product handling at various levels of supply chain, communications.
- c) Designing the program and interventions, executing, managing and monitoring the progress of the initiative in consultation with SRKR College.
- d) Involving mentors and partners in project advancements, training, monitoring and constant engagement with field associates in the implementation process.

h  
**I/c. Principal**  
**S.R.K.R. Engineering College**  
**(Autonomous)**  
**China Amiram, Bhimavaram-534 201.**

*Sharath Varma*

**For Tvameva Social Impact  
 Development Foundation**

**Executive Member**



- e) Creating, developing and managing the new specific brand for both the agreed pilot projects. Maintaining the reputation of the brand and

**ii) SRKRE College:**

- a) Liaison with State Governments, local Governments, Bureaucracy, Ministries and all stakeholders in placing the requestes and permissions which could support the projects in achieving its objectives.
- b) Assigning and Coordinating village & cluster level students and staff as volunteers to connect the low-income group women, farmers and to arrange meetings and facilitate project in any other way possible.
- c) Assigning Volunteers and interns to work Parttime & Full time for the project in various roles as deemed necessary.
- d) Facilitating the provision of keeping a stall in the SRKR premises to sell the produce from farmers and Self-Help group Women.
- e) Engaging any other Experts / Consultants / Advisors/ Institutions / Agencies for the cause of this initiatives.
- f) Encouraging and making relevant engagements with associated canteens to procure farmers produce from TSIDF.

**7. Miscellaneous :**

No suit, prosecution or other legal proceeding shall lie against TSIDF or SRKREC for anything which is in good faith done or intended to be done under this Memorandum or for the project there under.

**8. Force Majeure:**

For the purposes of this MoU, "Force Majeure" means an event which is beyond the reasonable control of a Party, is not foreseeable, is unavoidable and makes a Party's performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible under the circumstances and subject to those requirements, includes, but is not limited to, war, riots, civil disorder, earthquake, fire, explosion, storm, flood or other adverse weather

h  
 i/c. Principal  
 S.R.K.R. Engineering College  
 (Autonomous)  
 China Amiram, Bhimavaram-534 204

Rishabh Varma  
 For Tvarnava Social Impact and  
 Development Foundation  
 Executive Member

conditions, strikes, lockouts or other industrial action, confiscation or any other action by Government agencies. Force Majeure shall not include insufficiency of funds or failure to make any payment required. The parties shall, procure that its subcontractors shall, at all times take all reasonable steps within their respective powers.

**9. Amendments:**

This MoU may be amended by mutual written agreement of the parties. Any amendment will be without prejudice to any rights or obligations incurred under this MoU or supplementary agreement thereto reached pursuant / prior to the effective date of such amendment.

**10. Dispute Resolution:**

Any dispute between the parties arising under or related to this MoU will be settled mutually between both the parties.

**11. Intellectual Property Rights:**

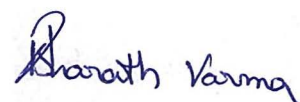
Under the provisions of this MoU, the parties may produce documents, reports, studies, photographs, and maps, as well as documents as well as product-specific documents -tangible and intangible information (collectively "Works"). Unless otherwise agreed to by the parties in writing, the copyright and other intellectual property rights in any such Work will belong to both the parties.

TSIDF shall have a right to use the new brand to be created, its logo etc. TSIDF shall maintain the rights on the new brand to scale the model to eligible group, individuals and to implement the model in selected locations across India.

**12. Effective Dates:**

The MoU shall be effective from the date of signing of the MoU.

  
**I/c. Principal**  
**S.R.K.R. Engineering College**  
**(Autonomous)**  
 China Amiram, Bhimavaram-534 204.

  
 Sharath Varma

**For Trameva Social and  
 Development Foundation**

**Executive Member**

### 13. Schedules/Appendices:

The works plan / schedules of each assignment during the partnership period between SRKREC and TSIDF shall form part of the MoU.

### 14. Termination:

Termination of this MoU can be done by giving notice of one month by either party and on such termination, the parties shall settle all accounts/payments for all accepted and completed tasks/assignments till such time.

IN WITNESS WHEREOF, the SRKREC and the TSIDF, each acting through its representative duly authorized there to have signed this agreement on the date first above written in two original counterparts in English.

**For TVS Social Impact And  
Development Foundation**

**For SRKREC (First Party)**

*[Handwritten Signature]*

Signature with Seal

Date: **22/07/19**

**I/c. Principal  
S.R.K.R. Engineering College  
(Autonomous)  
China Amiram, Bhimavaram-534 204.**

*[Handwritten Signature]*  
**Witness- 1**

Name: Prof. PARK RAJU

Designation: Professor

Address: SRKR Engineering College

*[Handwritten Signature]*  
**Witness- 2**

Name: PROF. K.M. GANESH

Designation: PROFESSOR

Address: S.R.K.R. Engg. COLLEGE.

*[Handwritten Signature]*  
**I/c. Principal  
S.R.K.R. Engineering College  
(Autonomous)  
China Amiram, Bhimavaram-534 204.**

**For TSIDF(Second Party) Executive Member**

*[Handwritten Signature]*  
**Signature with Seal**  
(Patchamatta Sai Bharath Varma)

Date: **22/07/2019**

*[Handwritten Signature]*  
**Witness- 1**

Name: Mahadevu. Rohit Kumar

Designation: Principal Designer

Address: Hyderabad.

*[Handwritten Signature]*  
**Witness- 2**

Name: Dr. G.N.V. Kishore

Designation: Associate Professor

Address: SRKR Engineering  
College.



# Confidentiality Agreement

between

भारतीय प्रौद्योगिकी संस्थान तिरुपति



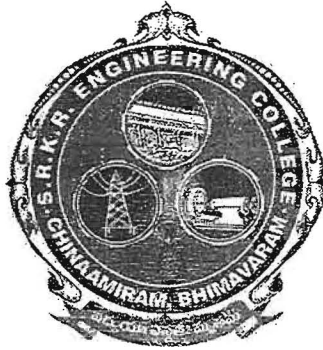
The

**Indian Institute of Technology Tirupati**

Renigunta Road, 517506 Tirupati, India

- hereinafter referred to as "IITT" -

and



**Sagi Ramakrishnam Raju Engineering College**

China Amiram, 534204 Bhimavaram, India

- hereinafter referred to as "SRKR" -

- hereinafter separately and jointly referred to as "Party" and "Parties", respectively-

Whereas, IITT and SRKR recognise the importance of closer educational and scientific cooperation in the field(s) of **Water and Wastewater Treatment, Waste Management and Remediation Technologies** therefore, desire to expand scholarly ties and facilitate academic and institutional collaboration subject to realistic constraints of time and funding on a basis of friendship.

In order to examine the possibility and conditions of joint cooperation activities, the Parties will disclose information.

Therefore, the Parties agree as follows:

### **1. Subject Matter**

The subject matter of the present Agreement (Purpose) shall be the exchange of information in the field(s) mentioned above to initiate a potential cooperation. The Parties will exchange information at their own discretion, without being obliged thereto.

### **2. Confidentiality, Publication**

2.1 "INFORMATION" shall be any disclosed, protected or unprotected technical and/or business information, especially – but not limited to – plans, drawings, models, prototypes, components, algorithms, software, etc., in writing or any other format, which is designated confidential. Oral or visual information shall be designated confidential, summarised in writing by the disclosing Party, and sent to the receiving Party within 21 days upon original communication.

2.2 The INFORMATION to be exchanged between the Parties under this Agreement shall not claim to be correct, complete or not to infringe upon rights of third parties. The receiving Party shall acknowledge this fact and shall therefore use this information with the necessary care and according to the present Agreement.

2.3 Each Party shall treat as confidential all INFORMATION received from the other Party and shall not disclose it to third parties up to three years upon termination of or withdrawal from this Agreement. Such INFORMATION shall be used for the implementation of the above Purpose of the Agreement exclusively.

2.4 The obligation according to Article 2.3 shall not apply to INFORMATION or objects that can be proven

- to belong to the public domain as a result of publications or the like, or

- to fall into the public domain without any fault of the receiving Party, or

- to have been disclosed to a Party by a third party, without the obligation of confidentiality, or

- to have already been known to the receiving Party prior to disclosure by a Party, or
- to be the result of work of employees of the receiving Party who had no access to the disclosed INFORMATION.

As far as INFORMATION has to be disclosed due to a legal obligation or an order by court or another authority, such disclosure shall not be an infringement of the confidentiality obligations. Apart from this disclosure the obligation according to § 2.3. shall remain unaffected.

2.5 The Parties shall take the usual and reasonable measures to ensure confidentiality of the information and objects according to these provisions also with respect to their staff members.

### **3. Return of Information**

3.1 The receiving Party shall be obliged to immediately return or delete all INFORMATION received as well as potential copies made at the request of the disclosing Party. Return may only be requested up to three months upon termination of this Agreement.

3.2 This obligation shall not apply to routinely produced back-up copies of electronic data communication as well as to secret information and copies thereof, which have to be stored by the other Party according to the valid legislation.

3.3 If the INFORMATION contains personal data, the receiving Party shall be obliged to treat this information in accordance with the relevant valid legislation in the respective applicable version. The Parties undertake to observe the provisions of data secrecy according to Indian legal provisions.

### **4. Intellectual Property**

4.1 Each Party shall remain the owner of his intellectual property (protected and unprotected). The disclosing Party shall reserve all rights in the INFORMATION disclosed by him, in particular know-how, inventions, property rights, copyrights and software and the right to obtain national and foreign property rights.

4.2 Each Party shall acknowledge that any acts of use of the INFORMATION obtained from the other Party shall not constitute any right of prior use pursuant to Indian legal provisions.

### **5. Term, Termination**

5.1 This Agreement shall become effective after having been signed by both Parties and shall terminate on completion of **three years (3 years) from the date of signing of this agreement**, unless previous notice has been given or it is terminated in some other way.

5.2 Each Party shall only have the right to terminate this Agreement for an important reason. Termination shall be in writing to be effective.



## 6. Liability

6.1 The Parties shall be liable only for property damage and financial loss caused by intent or gross negligence.

6.2 If essential contractual obligations are violated, the Parties shall be liable for intent and negligence. In case of slight negligence, liability shall be limited to direct damage foreseeable and typical of this type of agreement. Essential contractual obligations shall be obligations that protect the contracting Parties' essential contractual legal positions to be conferred on them in accordance with the content and purpose of this Agreement. Essential contractual obligations shall also be obligations, the fulfillment of which makes the proper execution of the Agreement possible in the first case and on the observation of which the contracting Party should regularly be able to rely.

6.3 Insofar the liability of the Parties is limited or excluded according to the regulations above, this also applies to the personal liability of the representatives, the employees and other vicarious agents of the Parties.

## 7. Concluding Provisions

7.1 Should any provision of this Agreement be or become ineffective, this shall affect neither the effectiveness of the remaining provisions nor the Agreement in its entirety. That provision shall retroactively be replaced by a provision which is legally permitted and the content of which is closest to that of the original provision.

7.2 Any amendments and modifications of this Agreement shall be in writing to be valid. This requirement shall be waived in writing only.

7.3 Specific cooperation in the research area mentioned in Article 1 shall be subject to a separate written agreement. Under this Agreement, no Party shall acquire a claim to a cooperation agreement being concluded or to a business connection being established. Should the contracting Parties decide in favor of such a cooperation, the provisions of that Agreement on the specific cooperation shall take precedence over the provisions of this Agreement.

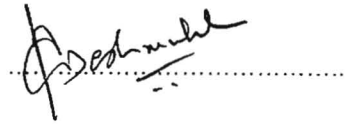
7.4 Rights and obligations arising from this Agreement may be transferred with the previous consent in writing of the other Party only.

7.5 In case of any dispute or differences, the Parties shall try to amicably settle the same by mutual discussion between the authorised representatives of the respective parties. The ICC Rules on Mediation shall apply.

For the purposes of this Agreement, IITT hereby designates Professor Harikrishnan Ramanan, Department of Chemical Engineering to coordinate on the potential project with Professor Penmetsa Appala Ramakrishnam Raju (PARK Raju), who may also be the Disclosing Party and/or Receiving Party and shall sign this NDA as a Confirming Party.

Indian Institute of Technology Tirupati

Tirupati, India



Name: Pranawa C. Deshmukh

Designation: Professor of Physics

and Dean, Sponsored Research

and Consultancy, Department of Physics

Dr. Pranawa C. Deshmukh  
Professor of Physics  
Dean, Sponsored Research & Consultancy  
Indian Institute of Technology Tirupati  
**Sagi Ramakrishnam Raju Engineering College**

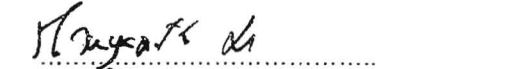
Bhimavaram, India



Name: Harikrishnan Ramanan


Designation: Associate Professor of Chemical

Engineering and PI



i/c. Principal  
**S.R.K.R. Engineering College (Autonomous)**  
Name: Penmetsa Jagadipathi Raju  
Chinnamirra, Bhimavaram-534 204  
Designation: Professor of Civil Engineering

and Principal (i/c)



DEAN R&D  
**S.R.K.R. Engineering College (A)**  
Name: Penmetsa Appala Ramakrishnam Raju  
CHINNA AMIRAM, BHIMAVARAM.  
W.G.Dt., A.P.-534 204.  
Designation: Professor of Civil Engineering

and Dean, Research & Development and PI

## MEMORANDUM OF UNDERSTANDING

This memorandum of Understanding is entered into on 18.03.2019

### BETWEEN

1.1 Andhra Pradesh Fisheries and Ocean University, (APFOU) having its office at Bhimavaram, India, hereinafter called the "APFOU" through its authorised signatory *Dr. Mohan Kumar Nair* which expression unless repugnant to the context or the meaning thereof shall include its successors and permitted assigns, of the one Part.

1.2 Sagi Ramakrishnam Raju Engineering College (SRKREC) having its office at Bhimavaram, Andhra Pradesh 534204 herein after called "SRKREC" through its authorised signatory *Dr. G. P.Saradhi Varma* which expression unless repugnant to the context or the meaning thereof shall include its successors and permitted assigns, of the Second Part.

### AND

1.3 MAZ Investments Ld. (MIL) having its office at, MOSHAV SHTULA P.O.B 46 Western Galilee 2286500, Israel, hereinafter called the "MIL" through its authorised signatory Mr. Akiba Penkar which expression unless repugnant to the context or the meaning thereof shall include its successors and permitted assigns, of the Third Part

1.4 APFOU, SRKREC and MIL shall herein after be collectively referred to as Parties and individually as first party, second party, third party respectively.

## 2. PREAMBLE

2.1 WHEREAS, APFOU, under the aegis of Ananda Group of Companies aspires to be the leading educational and research institute



pioneering in-depth scientific research and understanding of the impact and mechanism of food production in inland and marine aquatic ecosystems to ensure food security and enhance prosperity. These include agriculture, fish farming and shrimp farming.

2.2 The above have helped thousands of people attain economic prosperity and better quality of life. There is also anecdotal evidence of these intensive techniques contaminating freshwater systems where government land-use regulations are flouted. Increased use of antibiotics and other chemical inputs are compromising the long term viability of these production systems. There is a need for systematic study, research and extension under a public-private-partnership to have concurrent policy changes for sustaining the economic productivity and protecting the environment of the coastal districts of India.

2.3 APFOU would like to field test the best available technology, practices and strategies through the fields of nanotechnology, biotechnology, genetics, molecular biology, biochemistry, pharmacokinetics, physiology, and clinical research.

2.4 APFOU is also interested in communicating the environmental and economic impact of research to stakeholders for necessary policy formulation and regulation of the concerned sectors.

2.5 WHEREAS, SRKR is a premier engineering institute and aims to be among the world's foremost academic institutions, through the pursuit of research excellence and the promotion of innovation, by offering world class education to train future leaders in different domains of engineering and by applying science and technology breakthroughs for India's wealth creation and social welfare.

2.6 Being located in Bhimavaram, a cluster town that connects agricultural and aquaculture hotbeds of India, the students predominantly come from families engaged in either or both of these sectors. Irrespective of the degree in engineering earned by the students, it has been observed that they are joining their family business or starting allied businesses that seek to give international edge to export oriented agriculture and aquaculture.

2.7 Water is the most important resource, next to land in agriculture and aquaculture. SRKREC has over 18 Centres of excellence, including Water and Environment Technology Research Centre (WETR), Geospatial Information Centre (GIC), Space Technology Research Centre (STRC), Kolleru Lake Information Centre (KLIC), Delta Research Extension Centre (DREC), Technology Centre, etc., which carry out research and development that balances the development - environment needs of the region. SRKREC has been highlighting the adverse scenarios of various developmental policies based on landuse-landcover studies using Geospatial technology and has been invited by the highest bodies such as Central Water Commission to place the facts on the ground before policy makers.

2.8 The innovations developed by faculty and students in the laboratories and incubation centre of the college have also been patented internationally and won many awards. The sectors with largest technical manpower requirement in the coming years will be Information Technology/IT enabled services, Manufacturing and Construction. SRKREC intends to groom its graduates to use their core competencies in solving industrial problems, including the mechanisation and IT enabling of agriculture and aquaculture to meet international productivity and profitability benchmarks for these key economic sectors in coastal areas of India. The research and development teams and industry interface teams of SRKREC have already executed over 40 MoUs with foreign universities and entities for exchange programmes, research collaboration and technology transfer.

2.9 As an educational institution providing the technology edge to students, it is equally engaged in extension activities in the cluster villages. As part of the Unnat Bharat Abhiyan 2.0, SRKREC as a participating institute has adopted five villages and has undertaken various development and educational activities including in the water sector. The government has setup Reverse Osmosis plants for supplying potable water to villages. However, there is much to be done to improve the quality of the public water supplies, which are particularly affected by the contamination of raw water by intensive aquaculture and agriculture and the dry season. SRKREC would also like to introduce safe water treatment technologies that can be scaled up to treat entire tanks and reservoirs without adverse impact on environment or entailing excessive



cost. SKREC shall facilitate the transfer of internationally best available technology after controlled field trials.

2.10 **WHEREAS** And MAZ Investments Ltd. (MIL) is an SME (Small and Medium Scale Enterprise) based in Western Galilee, Israel offering high-tech products and solutions to water related industries with an aim to make invention and innovation for the welfare of the society. Apart from providing Smart Solutions in several diverse sectors such as Irrigation, Water Supply, Oil and Natural Gas, they have developed innovative water treatment solutions that are low on capital cost and give optimal results for operational costs.

2.11 After successful pilot projects in Europe, South America and the Middle East, by the group companies MIL is looking for test beds in India that could help them customise the solution for food production (aquaculture) applications in water sector. With a patent-pending solution at hand, MIL is looking for partners to conduct field trials with the intention of commercialising the successful iteration of their technology to maintain water quality desirable for organic aquaculture with highest possible productivity.

3. Now APFOU has evinced interest to undertake joint field trials and conduct collaborative research for further extension in partnership with renowned National and International Institutes as well as SMEs.

SRKR and MIL have agreed to work with APFOU in the common areas of interest as mentioned above and carryout field trials.

It will be of benefit to all the parties to work together and carry out research in the chosen common fields of interest.

The APFOU, SRKREC and MIL have mutually discussed and agreed to enter into this understanding as detailed hereinafter. NOW, THEREFORE, in consideration of the mutual promises contained herein and other good and valuable consideration, the receipt of which is hereby acknowledged, the parties agree to carry out the field trials with the following understanding:



#### 4. DEFINITIONS:

In this Memorandum of Understanding, the following expressions shall have the meaning stated herein:

“**MoU**” shall mean this agreement executed between APFOU, SRKREC and MIL and shall include any written modifications thereof and the schedules attached hereto.

“**Applicable Law**” shall mean all the laws national and international, enacted or brought into force as the case may be and enforced by the Governments of the Union of India or the state of Andhra Pradesh or the State of Israel as the case may be, and the regulations and notifications made there under and judgments, decrees, injunctions, writs and orders of any court of record, as may be in force and effect.

“**Effective Date**” shall mean the date of signing of this Agreement.

“**Technology**” means/includes the materials as well as the management methods utilised in the field trials.

#### 5. SCOPE:

Hence this Memorandum of Understanding, between the three parties and it is hereby agreed and understood by and between the parties here to follows with following objectives:-

5.1 Conduct controlled field trials under the supervision of APFOU.

5.2 Study the impact of the proprietary materials used in maintaining conducive water quality conditions for aquaculture.

5.3 Resource sharing, sharing of expertise and facilities.

5.4 Joint publication of research conducted.

5.5 Joint seeking of funding for research

5.6 Training of researchers and field technicians

5.7 Collaborations in the sharing of academic data, scientific information, intellectual Property generated in the field trials, articles and publications.

## 6. RESPONSIBILITIES OF EACH PARTY:

**Responsibilities of APFOU:** APFOU shall offer conducive ponds and farm inputs for each of the field trials. (one in summer, one in rainy/winter season)

- (a) To prepare detailed project report (DPR) jointly in consultation with SRKREC & MIL.
- (b) Provide appropriate field personnel and supervisors for the purpose of study and subsequent follow ups (if required).
- (c) Prepare study / research report in collaboration with SRKR & MIL for eventual publication.
- (d) Undertake the publishing of research/study report at appropriate forums (both print and electronic media) in coordination with SRKR and MIL.

### **Responsibilities of SRKR:**

- (a) Coordination between the three parties for planning the field trials and communicating the data sharing.
- (b) To provide Principal investigators for the study to document insights into research study design and the parameters to be tested.
- (c) Provide domain experts and monitoring team for the purpose of study and subsequent follow ups (if required).
- (d) Preserve study report and relevant data for extension / dissemination purposes.
- (e) Hosting MIL personnel and providing workspace if necessary during visits for field trials.

### **Responsibilities of MIL.**

- (a) To make necessary arrangements for preparation and transportation of the proprietary solutions to the field trial locations or any other premise considered suitable for the conduct of study/research with necessary regulatory approvals for shipping and application of the same.

- (b) Provide necessary expertise and required instrumentation and laboratory support requirements for the conduct of the study. All the instruments required to be used for measurements during the study shall be provided by APFOU and SRKREC may verify water quality parameters as a third party for confirmation.
- (c) Standardize appropriate application and testing procedure.
- (d) Undertake measurements of mutually agreed parameters, with the help of in house scientists and Scientists/PIs from APFOU/SRKREC.
- (e) Compile study results and collate/analyse the data in coordination with APFOU and SRKREC for reporting and publications.

7. **ETHICAL GUIDELINES:** All three parties agree to follow the ethical guidelines laid down by various regulatory agencies for research, and protect the interest, dignity and confidentiality of all the participants including the vulnerable population like children, women etc., All three parties agree to present themselves for review by Institutional Ethics Committee at regular intervals.

8. **BUDGET:** All the three parties agree to jointly prepare the budget for the study project and agree to monitor the same at mutually agreed intervals.

9. **INTELLECTUAL CONTRIBUTION:** The intellectual contributions shall be given credits in the process of executing a research study.

10. **CONFIDENTIALITY:** The parties shall keep the project and the findings/outcomes of the project confidential. The parties to this MoU undertake to maintain confidentiality of Information and Technology involved and generated during the studies. The terms of confidentiality and mode of disclosure shall be as per mutually acceptable Terms.

11. **VALIDITY OF MOU:** The MoU shall remain in force for a period of three years from the date of its signature and seal by three parties and may be terminated by any of three parties, giving a six months notice to that effect in writing.



12. The Parties to this Memorandum may, by mutual consent, add, modify, amend, delete, review or revise any term(s) and conditions of this agreement at any point of time.

13. This MoU shall require the ratification of the competent academic/executive body of both the institutions and the Company.

14. Coordination Committee: To monitor and review the collaborative programme between the APFOU, SRKREC and MIL there is a need to form a coordination committee at the outset.

15. Principal of SRKR or his nominee would be coordinating the research study in areas where they have domain expertise and which have been mutually agreed by both the institutes and the company.

16. Director of MIL or his nominee would coordinate the research study in areas of their core competency.

17. Executive Director of APFOU or his nominee would coordinate the research study in areas of their core competency.

18. The Co-ordination Committee shall:

18.1 Review the progress of the research study at regular intervals, frequency of which will be mutually decided and then submit a report.

18.2 Consider new R&D proposals for joint collaboration and implementation on a case to case basis, including IPR and financial arrangements.

18.3 Consider the addition/deletion of areas of co-operation between the three parties during review.

18.4 Consider the continuance of the MoU.

19. **Termination of Agreement:** The three parties to this Memorandum of Understanding shall have the right to terminate the agreement in case the teams either fail to follow the commitments successfully as mentioned in the agreement, or violates any of the clauses mentioned in the MoU, or exploits the goodwill or misuses the partnership in any way.

In addition to the reasons for termination as set forth above, this agreement may be terminated forthwith if any of the parties voluntarily or involuntarily enters into composition, bankruptcy or similar reorganization proceedings or if applications invoking such proceedings have been filed.

**20. ARBITRATION:** Except as hereinbefore provided, any dispute arising out of this Agreement, the same shall be referred to the arbitration of two arbitrators, one to be appointed by each Party to the dispute, and in case of difference of opinion between them to an umpire appointed by the said two arbitrators before entering on the reference, and the decision of such arbitrators or umpire, as the case may be, shall be final and binding on all three parties. The venue of arbitration shall be at such place as may be fixed by such arbitrators or umpire and the arbitration proceedings shall take place under the Indian Arbitration and Conciliation Act, 1996.

**21. PUBLICATION/IPR:**

21.1 The findings/outcomes shall be compiled and published / disseminated at a time to be decided by APFOU at their discretion.

21.2 Publication will have the joint authorship from APFOU, SRKREC, and MIL and decision on publication will be based on mutual agreement. At no stage a single party will publish the results unilaterally or use the findings in any other research projects/studies in any matter whatsoever.

21.3 The corresponding author organization will primarily be held by APFOU, with joint corresponding authorship from SRKREC and MIL.

21.4 Intellectual property Right (IPR) / Patents of the joint-research projects will be jointly shared by the contributors of APFOU, SRKREC, and MIL.

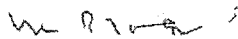
21.5 The cost of publication shall be shared equally by the three parties equally.

22. **NON-DISCLOSURE:** No party will disclose any investigations/outcome of research study to media/any unauthorised person from each institutes/any other agency in any form, whether electronic/print/audio visual/interviews to press etc., without mutual consent.

23. **FORCE MAJEURE:** Neither of the Parties shall be held responsible for non-fulfillment of their respective obligations under this agreement due to the exigency of one or more of the Force Majeure events such as but not limited to acts of God, War, Flood, Earthquakes, Strikes, Lockouts, Epidemics, Riots, Civil Commotions etc., provided on the occurrence and cessation of any such event the Party affected thereby shall give a notice in writing to the other Party within one month of such occurrence or cessation. If the Force Majeure conditions continue beyond six months, the parties shall jointly decide about the future course of action.

IN WITNESS WHEREOF, the parties have caused these presents to be executed in triplicate as of the date of the last signature below.

Accepted and Agreed to

  
Signature

For

U.K.Viswanadha Raju

  
Signature

Dr.G.P.Saradhi Varma

  
Signature

Mr.Akiba Penkar

Seal of 1st party

Seal of 2nd party

Seal of 3rd party



# MEMORANDUM OF UNDERSTANDING

BETWEEN



SD MOTOR SPEEDS

## SD MOTOR SPEEDS

3-113, Mudunuri vari meraka, Malkipuram, East Godavari,  
Andhra Pradesh-533253

AND



Estd. 1980

## SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE

Chinna Amiram, Bhimavaram, Andhra Pradesh – 534204

[www.srkrec.ac.in](http://www.srkrec.ac.in)



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This memorandum of understanding is made on **20<sup>th</sup> September 2019** between:

1.1 **SD Motor Speeds** having its office at 3-113, Mudunuri vari meraka, Malkipuram, East Godavari, Andhra Pradesh-533253 through its authorized signatory Mr. Sai Deepu Saladi which expression unless repugnant to the context or the meaning thereof shall include its successors and permitted assigns of the one part.

AND

1.2 **Sagi Rama Krishnm Raju Engineering College (hereinafter known as SRKR Engineering College)** located at China Amiram, Bhimavaram, Andhra Pradesh-534204 through its authorized signatory DR.G.P.jagapathi raju, Principal, SRKR Engineering College which expression unless repugnant to the context or the meaning thereof shall include its successors and permitted assigns of the second part.

1.3 **SD Motor Speeds (SDGROUPS) and SRKR Engineering College** herein is jointly referred to as Party and collectively the Parties.

## 2 PREAMBLE

2.1 WHEREAS, SD MOTOR SPEEDS (SD GROUPS) is a “start-up” company with an aim of make invention and innovation in for the welfare of the society with upcoming engineers and Motorsports events.

2.2 WHEREAS, SRKR Engineering College is a premier research institute and aims to be among the world’s foremost academic institutions, through the pursuit of research excellence and the promotion of innovation, by offering world class education to train future leaders in science and technology and by applying science and technology breakthroughs for India’s wealth creation and social welfare.

3 Now SD Motor Speeds has shown interest to undertake joint research and conduct collaborative research in partnership with renowned National and International Institutes as well as Start-up.

4 SRKR Engineering College have agreed to collaborate with SD Motor Speeds in the common areas of interest as mentioned above land carryout research.



## 5 Responsibility of each part:

### Responsibilities of SD Motor Speeds

- (a) Shall be responsible for maintenance of the Centre.
- (b) TO help students develop their skills through effective trainings.
- (c) Provide students a platform to research and skill development.
- (d) Shall be responsible for conducting research in specified areas.
- (e) To support students in becoming entrepreneurs by providing a platform to develop product oriented skills and helping incubation hub.
- (f) To guide students in projects related to re research areas of company.
- (g) To help students in exhibiting their skills in national and International Events.

### Responsibilities of SRKR Engineering College:

- (a) To provide necessary work space and support to SD Motor Speeds.
- (b) To provide access to meeting rooms to the team. The centre should be available 24/7.
- (c) To provide the mentorship for SD Motor Speeds regarding research.
- (d) To act as a host for National and International Events on mutual agreement.
- (e) If possible provide financial assistance for research and development.
- (f) The student coordinates should intimate to SD GROUPS regarding every events/workshop/championships without fail.
- (g) Student's coordinates should intimate every information about the teams and the works going on in the teams by every weekend.
- (h) To all the events **SD GROUPS** going to organize, **SRKR ENGINEERING COLLEGE** is going to allow the teams of **Sd Groups** i.e from **Srkr Automotive Club** on the track of college for practice.
- (i) We are requesting to lay the track with detachable speed breakers as per blueprint.

## 6 Benefits to SRKR Engineering College:

- (a) Meritorious students of **SRKR** are provided with Internship **SD Motor Speeds (SDGROUPS)** and its associated companies.
- (b) Skill development of students towards product oriented thinking.
- (c) Students getting trained in various latest engineering methods.
- (d) To be a part of research and development of **SD MOTOR SPEEDS (SDGROUPS)**.





(e) Students can be a part of National and International level championships with proper technical guidance.

(f) Being a host for our events eventually increases the reputation and brings a healthy business for local markets.

7 In order to implement the aims and purpose of this Memorandum, the following is mutually understood and agreed:

(a) The profit sharing is fixed at 6% of total share received by SD Motor Speed.

(b) Both the parties can discuss on case to case basis if required.

#### 8 Intellectual Contribution and Commercialization:

The Intellectual contributions shall be given credits in the process of executing a research study to whoever involves like students, faculty etc., any hardware thus purchased is property OF SRKR.

#### 9 Confidentiality :

The parties to this MOU undertake to maintain confidentiality of information and Technology. The terms of confidentiality and mode of disclosure shall be as per mutually acceptable Terms.

#### 10 Validity of MOU:

This MOU is valid for two years from the date of signing of this MOU. Thereafter the MOU may be renewed for such tem and on conditions as may be agreed between the parties.

11 The Parties to this Memorandum may, by mutual consent, add, modify, amend, delete, review or revise any terms and conditions of this agreement at any point of time.

#### 12 Termination of Agreement:

The parties to this Memorandum of Understanding shall have the right to terminate the agreement in case the teams either fails to follow the commitments successfully as mentioned in the agreement, or violates any of the clauses mentioned in the MOU, or exploits the students or misuses the partnership in any way.



Accepted and Agreed to

**SD MOTOR SPEEDS(SDGROUPS)**

**Mr.Sai Deepu Saladi**

**Founder**

*Signature*  
**Signature**  
For SD Motor Speeds

**Sai Deepu Saladi**  
**Founder & C.E.O.**

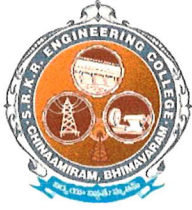
**SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE**

**Dr.M.Jagapathi Raju**

**Principal**



*Signature*  
**Signature**  
**Principal**  
**S.R.K.R. Engineering College**  
**(Autonomous)**  
**China Amiram, Bhimavaram-534 204.**



## **MEMORANDUM OF UNDERSTANDING (MOU)**

***BETWEEN***

**DEPARTMENT OF ENGINEERING MATHEMATICS & HUMANITIES**

**SAGI RAMAKRISHNAM RAJU ENGINEERING COLLEGE  
(SRKREC), Bhimavaram, West Godavari District, Andhra Pradesh, India.**

***AND***

**DEPARTMENT OF MATHEMATICS AND HUMANITIES**

**B.V RAJU COLLEGE (BVRC), Bhimavaram, West Godavari District,  
Andhra Pradesh, India.**

**Singed on this day 4<sup>th</sup> of February 2020.**

<b>SAGI RAMAKRISHNAM RAJU ENGINEERING COLLEGE (SRKREC), Bhimavaram, West Godavari District, Andhra Pradesh, India</b>	<b>B V RAJU COLLEGE (BVRC), Bhimavaram, West Godavari District, Andhra Pradesh, India.</b>
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# MEMORANDUM OF UNDERSTANDING

BETWEEN

**DEPARTMENT OF ENGINEERING MATHEMATICS & HUMANITIES**

**SAGI RAMAKRISHNAM RAJU ENGINEERING COLLEGE**

AND

**DEPARTMENT OF MATHEMATICS AND HUMANITIES**

**B V RAJU COLLEGE**

*Whereas Sagi Rama Krishnam Raju Engineering College* is one of the oldest seminaries formed in 1980. S.R.K.R. Engineering College was established with a mission to develop the college into a center of Excellence in the field of Technical Education, capable of training students as sound professionals to cater to the needs of the society. The college is offering six B. Tech Programs, six M. Tech Programs and seven PhD Programs with a total strength of more than 6500 students. SRKREC is an autonomous institution, affiliated to Jawaharlal Nehru Technological University Kakinada (JNTUK), approved by AICTE New Delhi, accredited by National Board of Accreditation (NBA), accredited with 'A' Grade by NAAC with CGPA of 3.60/4.00 scale. The college is recognized as Scientific and Industrial Research Organization (SIROs), recognized as Business Incubation Centre (MSME), secured the status of 2(f) and 12(B) of UGC in 1988, selected for financial support under FIST Programme of DST, New Delhi; selected under Unnat Bharat Abhiyan (UBI) of MHRD, Govt. of India. College has 64 MoUs with National and International Universities/Industries/Organizations for staff and student's mobility and training programs.

The **Department of Engineering Mathematics and Humanities** has its existence since the inception of the college. The highly dedicated, qualified and experienced faculty members motivate the intellectual acumen of the students and also transform every budding engineering student into an eligible aspiring professional youth. Department is offering courses for B. Tech & M. Tech on par with other Engineering Departments in our Institution. It is well known fact that Mathematics and Humanities are the integral part of technical education. Having enough number of doctoral degree holders, research commitment and competence is initiated and going on in the department. The department has been recognized

as a **Research center by JNTUK**, Kakinada. The Mathematics Faculty are guiding Ph.D.'s and M.Phil.'s.

**Whereas** . B. V. Raju college is situated in vishnupur, Bhimavaram, West Godavari district in Andhra Pradesh state of India. Established in 1999, it is accredited from AICTE and it is affiliated to Adikavi Nannayya University. BVRC, Vishnupur offers degree courses in 2 streams B.Sc and B.com and two P.G streams M.Sc Organic chemistry, M.Sc Analytical chemistry and M.C.A. Hostel facility is available for the students. Additional amenities such as Auditorium, Canteen, Computer Lab, Cultural zone, Theatre, Library, Medical facilities, Cls. Room, Placement cell, Sports are also available in the campus.

The Department of Mathematics and Humanities has its existence in the college since 2002. The committed and experienced faculty members motivate the students and create a path to make their dreams become reality. The department trains the students and providing them the knowledge base which is paramount importance in pursuing higher education or for getting right placement.

The two institutes are mutually interested to promote and pursue high quality research in the frontier areas of sciences like atmospheric sciences, physical sciences, life sciences and social sciences with a view to deliver products and service of societal relevance.

Enter into the MEMORANDUM OF UNDERSTANDING (hereinafter called "MOU") on Research/Academic Exchange between Department of Engineering Mathematics and Humanities, Sagi Rama Krishnam Raju Engineering College, (hereinafter referred as the "EMHSRKREC") and B.V Raju College (hereinafter referred as the "MHBVRC"), collectively referred to hereinafter as the "Parties".

**WHEREAS:**

1. The Parties agree to enter into an agreement for academic exchange;
2. The Parties recognize that the academic exchanges will promote further educational collaboration and cultural understanding and have agreed to further continue their common interest in promoting the mutual cooperation in the area of education and research; and

3. The parties to implement the MOU under the terms and conditions hereinafter set forth.

**HAVE AGREED AS FOLLOWS:**

The areas of cooperation will include any programme offered at either Departments which is felt to be desirable and feasible for the development and strengthening of cooperative relationship between the above Departments. However, all programmes shall be subject to mutual consent, availability of funding, and approval of each institution. Such programmes may include:

- Exchange of Faculty for Research assignments
- Joint research programmes and exchange of academic information
- Exchange of students for appropriate - level study and research
- Utilization of Available software tools in the Labs and Library facilities
- Organization of Joint conferences workshops and meetings
- Other activities as deemed mutually appropriate

ARTICLE 1

PURPOSE AND OBJECTIVE

The purpose of this Memorandum of Understanding is to make possible and to facilitate the exchange of students, scholars, and educational resources between SRKREC and BVRC based upon principles of mutual and the reciprocity of benefits;

The objective of this MOU is to strengthen ties between both Parties and to promote academic cooperation.

ARTICLE II

SCOPE OF ACTIVITIES

The scope of activities of the MOU shall include:

Detail of specific cooperative programmes shall be set forth in a separate document and will contain both programmatic and financial arrangement.



This MOU shall be effective upon approval by both parties and shall remain in effect for 3 years. It may be extended by mutual agreement expressed by a written memorandum of understanding.

ARTICLE III  
OFFICIAL LANGUAGE

All letters, drawings, reports and other documents executed for the implementation of the MOU and all bilateral discussions conducted between the Parties shall be in either Telugu or English.

ARTICLE IV  
COMMUNICATION

Any notice or request given or made by one party to the other under this MOU shall be in writing in the language of English and shall be addressed by all means to the party's Principal office as is designated in writing hereinafter:

Department of Engineering Mathematics and Humanities  
S.R.K.R. Engineering College, (SRKREC)  
China Amiram, Bhimavaram, Andhra Pradesh, India - 534204  
Office: 08816 - 223332 (five lines) (Office); Fax: 08816 - 224516, 229377  
Email: principal@srkrec.ac.in

Department of Mathematics and Humanities  
Dr. B V Raju College (BVRC),  
Bhimavaram, West Godavari District, Andhra Pradesh, India.  
Office:08816250861  
E-mail : bvrcollege@rediffmail.com

Authorised representatives of the Sagi Rama Krishnam Raju Engineering College (SRKREC) and B.VRaju College (BVRC), shall sign two original Memorandum of Understanding documents. Each party shall hold one original signed MOU, with both documents being equally authentic.

IN WITNESS WHEREOF, the parties hereto have caused this MOU to be executed by their duly authorised representatives.



For Sagi Ramakrishnam Raju Engineering college ,Bhimavaram.

**PRINCIPAL  
S.R.K.R. Engg. College  
BHIMAVARAM-534 204.**

Witnesses:



Head of the Department

Department of Engineering Mathematics and Humanities, SRKREC. Bhimavaram

**Dr. R. SUBBA RAO**  
M.Sc. (Stat), M.Sc. (Maths), M.Phil, Ph.D, PGDCOS&OR  
Professor & Head: Dept. of Engg. Mathematics & Humanities  
**S.R.K.R. ENGINEERING COLLEGE (Autonomous),**  
China Amiram, BHIMAVARAM-534204.



B V Raju College, Bhimavaram

**PRINCIPAL  
B.V. RAJU COLLEGE  
VISHNUPUR, BHIMAVARAM-534 202**  
Witnesses:



Head of the Department

Department of Mathematics and Humanities, B V Raju College,

Bhimavaram

**Head of the Department  
Mathematics and Humanities  
BVRICE, VISHNUPUR, BVRM.**