



**ACS** College of Engineering

Approved by AICTE New Delhi, Affiliated to VTU, Belagavi  
(A Unit of RajaRajeswari Group of Institutions)

CET Code : E186 COMED-K : E003 PG CET : T918

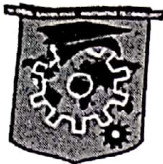


## **DEPARTMENT OF MECHANICAL ENGINEERING**

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

**For the Placement, Training, Industrial visit, and Internship the Department of Mechanical Engineering is signed an MEMORANDUM OF UNDERSTANDING (MOU) with the below companies:**

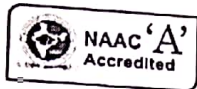
1. CADMAXX Solution Private Limited, Bengaluru
2. Pongu Venture, Chennai
3. National Institute of Fundamental Studies, Kandy, Srilanka
4. Bosch Rexroth, Bengaluru
5. Industrial Technology, Bengaluru
6. Aakspro Research Foundation, Coimbatore
7. Distinct Productivity Solution Private Limited, Bengaluru



# ACS College of Engineering

(Approved by AICTE, New Delhi, Govt. of Karnataka & Affiliated to Visvesvaraya Technological University, Belgaum)

Sponsored by : MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST



## MEMORANDUM OF UNDERSTANDING FOR COLABORATIVE ACTIVITIES

Between

Name: **ACS COLLEGE OF ENGINEERING**  
Department of Mechanical Engineering  
#207, Kambipura, Kengeri  
Mysore Road,  
Bangalore - 5670074

And

Name: **CADMAXX SOLUTIONS PVT LTD,**  
#2095, 2<sup>nd</sup> floor,  
9<sup>th</sup> cross, 5<sup>th</sup> main Road,  
RPC Layout,  
Vijaynagar,  
Bangalore

### **Purpose**

The purpose of this Agreement is to promote collaboration in engineering education and problem solving activities between the Department of Mechanical Engineering of ACS College of Engineering, #207, Kambipura, Kengeri, Mysore Road, Bangalore - 5670074, and the Cadmaxx Solutions Pvt. Ltd, #2095, 2<sup>nd</sup> floor, 9<sup>th</sup> cross, 5<sup>th</sup> main Road, RPC Layout Vijaynagar Bangalore.

### **Types of Cooperation**

Through this memorandum, both parties affirm the value of collaboration and agree to promote the following activities:

1. Industrial Visit;
2. Guest Lectures;
3. Quiz competitions;
4. Product & Industry awareness program;
5. Conducting Workshops;
6. Coordinator for knowledge enhancement program;
7. Other activities as mutually agreed like Training, FDP.

### **Campus**

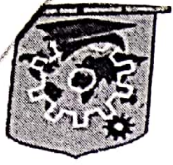
# 207, Kambipura, Mysore Road, Bengaluru - 560 074

Ph: 080-2843 7955 / 855 Fax: +91-80- 28437989

E-mail: [info@acsce.edu.in](mailto:info@acsce.edu.in), [principal@acsce.edu.in](mailto:principal@acsce.edu.in)

[www.acsce.edu.in](http://www.acsce.edu.in)

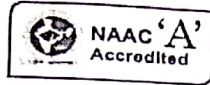
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# ACS College of Engineering

(Approved by AICTE, New Delhi, Govt. of Karnataka & Affiliated to Visvesvaraya Technological University, Belgaum)

Sponsored by : MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST



This Agreement places no financial obligations or supplementary funding commitments on either Party. These activities will be defined through separate program agreements that detail the commitment of resources (financial or otherwise) required by each Party. Subsequent program agreements must be approved in writing by the authorized representatives of each Party.


## Terms

This Agreement will become effective upon the date of signature by both Parties. It shall remain valid for a period of one (1) years from the date of the last signature, with the understanding that it may be modified by written mutual consent of both Parties. This Agreement may be terminated by either Party with advance written notice of at least thirty (30) days. Upon notice of termination both **ACS College of Engineering** and **Cadmaxx Solutions Pvt. Ltd**, enables the knowledge sharing platform for both the institution. The agreement may be extended by mutual consent of the two Parties after the one-year period, and it must be renewed in writing.

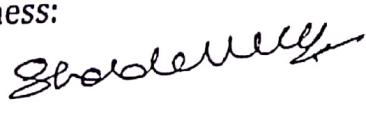
Both the parties will maintain confidentiality regarding knowhow's and technology and other sensitive details related to each other's operations.

This Memorandum of Understanding completed in English is hereby signed on 18<sup>th</sup> September 2019 in two (2) copies with one (1) copy remaining in the possession of each Party.

**Sri. Arunkumar Patil**  
Managing Director  
Cadmaxx Solutions Pvt. Ltd, Bangalore

  
**Dr. M. S. Murali**  
Principal  
ACS College of Engineering

Witness:

1.  (**DR. M. S. SIDDESHA**)  
HOD  
Dept. of Mechanical Engg.  
ACS College of Engineering  
Bangalore - 560 074.

2.



**MEMORANDUM OF UNDERSTANDING**  
**BETWEEN**  
**NATIONAL INSTITUTE OF FUNDAMENTAL STUDIES, KANDY, SRI LANKA**  
**AND**  
**ACS COLLEGE OF ENGINEERING, BANGALORE , INDIA**

This memorandum of understanding (MOU) is entered into:

**BETWEEN**

**The National Institute of Fundamental Studies**, having an address of Hantana Road, Kandy (hereafter referred as NIFS), established in 1981 by Act No. 55, amended by Act No. 5 of 1997 of the parliament of the Democratic Socialist Republic of Sri Lanka. The NIFS aims to create an interest and to provide facilities for fundamental and advanced studies and research. It is well equipped for scientific research and has been in the forefront of basic research in Sri Lanka.

In order to disseminate and transfer the findings of research studies as well as to play a proactive role as a central focal point for basic research for national development, the NIFS established a Consultative and Collaborative Division (CCD) in December, 2009. The principal function of the CCD is to establish links between the NIFS and scientific organizations in Sri Lanka and overseas including the private sector, to facilitate research and development activities, field testing, clinical trials, feasibility studies etc that will enable technology transfer which will have a positive impact on National Development.

**AND**

**ACS College of Engineering, Bangalore , India (ACSCE)** was established in 2009 by Moogambigai Charitable and Education Trust Bangalore, India under the Chairmanship of Sri A. C. Shanmugam. The mission of ACSCE is to provide Quality Technical Education in Undergraduate, Post Graduate and Doctoral level as per Visvesvaraya Technological University Belagavi Karnataka and beyond in strict compliance with All India Council for Technical Education (AICTE) requirements and Industrial Needs through industry institute interaction.

**Collaborative Research**

According to the classification of the CCD, projects involved in sharing data and publications between NIFS and an outside organization fall into the category of Collaborative Research. Both parties contribute to the project in their capacity and share the benefits in a mutually agreed manner.



## General Agreements

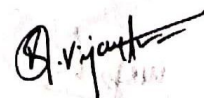
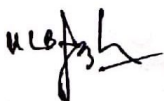
1. The purpose of this MOU is to develop scientific, research and academic cooperation in the fields of engineering and technology to understand the earth by research and transfer the gained knowledge to the community while promoting relations and mutual understanding between the two parties involved in the MOU.
2. The mode of collaboration under this MOU is in the form of sharing data, expertise and publications.
3. The knowledge, data and any other material that generate via the collaborative work are exclusively owned by the two parties and will be published accordingly with written agreement of the two parties, identifying the authorships as appropriate. A third party shall be considered to share data, knowledge and authorship as specified in Sec.4.
4. Any third party will be included into project components of this study, where deem necessary, with the written consent of the two principal parties to this Memorandum of Understanding.
5. Project/Programme Collaborators will be responsible for the development of project/programme plans including the activities to be undertaken and financial arrangements to support them. \
6. Prior to conduct any of the project components of this MoU, shall be quantified by identifying the resources, instruments, expertise and logistic assistance with budgetary allocations and specific time-lines. Each party, including third parties, if there any, shall specify their respective role(s) in the project component with appropriate contribution.
7. The NIFS shall provide laboratory, office and computing facilities, use of equipment, and vehicles for local transport for visiting scientists in this regard for the entire duration of the collaboration. The ACSCE shall provide the same and coordinate any other required assistance in the form of equipment, materials or services which deems necessary for the collaborative work.
8. Personnel involved at the time of initiation of this MOU are:

Project/Programme Collaborator of NIFS: Prof. N. Deepal Subasinghe

Project/Programme Collaborator of ACSCE: Dr. M. Eswaramoorthy

Technical Personnel: Mr. O.K.S. Opatha, (Chief Technical Officer), NIFS, Sri Lanka  
Mr. SivaShanker P, Assistant Professor, ACSCE, India

Research Students: As decided by the Project Collaborators from time to time.



Any other future research and technical personnel involved in the project could be determined by the ACSCE and NIFS after mutual agreement. Their details shall be exchanged between ACSCE and NIFS in writing.

9. The two parties can undertake to promote and develop the research/academic cooperation as exchange of academic staff, administrative staff and students, plan for joint research, exchange of research/academic information, publications related to an area of science to which both parties agree. In the case of consultations where a service is provided to a third party, a payment shall be pre-determined and both parties shall have equal benefits. All above exchanges/consultations could be done only within the existing legal framework governing in both organizations.

10. Any intellectual property arising from the joint work under the MOU will be the property of the NIFS and ACSCE. Benefits will be shared on mutual agreement.

11. Data and information created by the joint work should not be disclosed to a third party by one party without the written consent of the other party.

12. Project/Programme would normally be considered terminated once the final reports are submitted on the completion of studies. If it becomes necessary to terminate a project prior to its designated date of completion, at least one month prior notice in writing has to be given by the party seeking such termination.

13. The NIFS will host the Project/Programme Collaborator and nominated research and technical personnel including students of the ACSCE at NIFS for the project duration, and facilitate their work during the implementation of this MOU. The ACSCE will also do the same for the Project/Programme Collaborator and nominated research and technical personnel including students at the ACSCE during the implementation of this MOU.

14. This MOU is not intended to be legally binding. Nothing, therefore, shall diminish the full autonomy of either party, nor shall any constraints be imposed by either party upon the other party in carrying out this MOU.

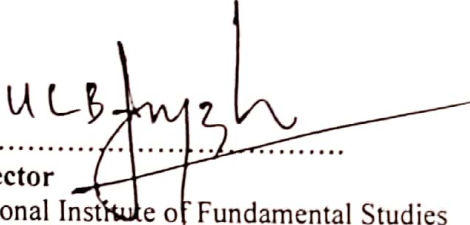
15. If any disputes arise between the NIFS and ACSCE, all attempts would be made to settle them amicably through negotiation and arbitration if required.

16. This MOU will be valid initially for a period of three (03) years from the day of signing. It may be extended on mutual agreement, at the end of the agreement period. There shall be a grace period of 3 months after the lapse of the agreement.

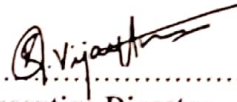
It is hereby accepted that by placing the signatures to this document the authorized representatives of the two parties, in duplicate and equally authentic, are committing to abide by the above terms. Any changes or amendments to above terms shall be the concurrence of both parties.



Signed in NIFS, Kandy, on the day of 04/01/2018


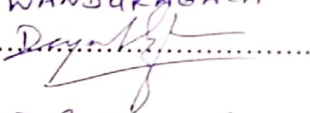


Director  
National Institute of Fundamental Studies  
Sri Lanka


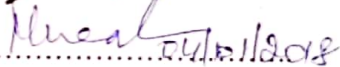


Executive Director  
ACS College of Engineering  
India

WITNESS:

1. P.S.B.   
Dr P.S.B. WANDURAGALA  
2.   
Prof. I.Y.D. Subasinghe,

National Institute of Fundamental Studies  
Hanthana Road, Kandy.

  
4/1/2018  
  
4/1/2018







## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding is made on 16/01/2018 ("**MoU**"), by and between Bosch Rexroth India Pvt. Ltd., a company incorporated under the laws of India and having its registered office at Near Village Iyava, Sanand-Viramgam Highway, Taluka Sanand, Ahmedabad 382170 and a local office at Municipal No 31, Sy. No 37/1, Andrahalli, Bengaluru -560091, (hereinafter called "**DCIN**");

AND

ACS College Of Engineering, Bangalore, an educational institution located at Mysore Road Bangalore , (hereinafter referred to as "**ACSE**").

DCIN and ACSE shall hereinafter be collectively referred to as "**Parties**" and individually as "**Party**"

### WHEREAS

- A. DCIN is primarily engaged in the business of Automation Technologies (Manufacture of Hydraulics, Drives and Controls for Automation);
- B. ACSE is an educational institution which aims at fostering advancement of education in different engineering and scientific disciplines; and
- C. The Parties wish to co-operate with each other as per the terms and conditions enumerated in this MoU.

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

1. **Purpose:** Bosch Rexroth is a 100% owned company of Bosch. Bosch Rexroth India is a 100% owned company of Bosch Rexroth AG, Germany. Under the brand name of Rexroth, the company supplies its customers with tailored solutions for driving, controlling and moving. As The Drive & Control Company, Bosch Rexroth develops, produces and sells components and systems in more than 80 countries in the technology fields Electric Drives and Controls, Industrial Hydraulics, Mobile Hydraulics, Linear Technology, Assembly Technology and Pneumatics.

ACSE is a premier Institution engaged in imparting quality education in Engineering and Technology as well as in Research and Development in contemporary fields. Over the years ACSE has carved out a niche for itself as one of the best technical institutes in India. The primary objectives of the Institute are to produce competent engineers with an innovative bent of mind, offer high quality consultancy and testing services and generate new knowledge, through research and development, for the benefit of society.

To strengthen their relationship, DCIN& ACSE have agreed to enter into a strategic alliance on terms mutually beneficial to them.



## 2. Objectives of Cooperation under the MoU

The main objective of this MoU is to make students in identified disciplines of ACSE readily suitable for the industry, for example in companies applying automation solutions, and also provide a platform to build a relationship between DCIN & ACSE.

The primary goals are:

- 2.1 To develop and foster strategic linkages with ACSE and the technical departments at DCIN;
- 2.2 To assist the students and enhance their fundamental knowledge and concepts behind some of the latest technologies in which DCIN is involved;
- 2.3 To bridge the gap between Academic and Industry,
- 2.4 Enhance with Modern trends, Development and Research Activity (Ex:- Industry 4.0 and Open Core technology )
- 2.5 Works on the Concept of Technological institute in a technical institute, with its own resources – Laboratories, Teach wares, licensed software, Curriculum and Syllabus.

## 3. Coordination:

DCIN and ACSE will establish a 'Joint Working Group' for coordination. Both Parties shall ensure that the Joint Working Group comprises of appropriate personnel to discuss and implement the measures mentioned in this MoU, DCIN shall be represented the section responsible for Academic relationship along with representation from Human Resource Department at Bangalore. ACSE shall be represented by Director, Principal, HOD of concerned discipline which interacts with DCIN and the placement officer. Both Parties shall take all reasonable steps to cooperate and ensure successful implementation of all the measures mentioned in this MoU.

## 4. Mechanisms for Cooperation:

The 'Joint Working Group' shall implement, administer and execute the following measures as under

### 4.1 Technical guidance for creation of Automation related Labs

DCIN will use its reasonable endeavors to support ACSE by creating experiments for Mechanical & Electrical programs. While setting up the laboratory, support would be in the form of extending expert opinion and training (if necessary) to the extent possible as decided by DCIN. DCIN would guide ACSE with respect to the equipment that are useful for Automation **related Labs** to cater to curriculum of UG/PG programs of ACSE and also for research work;

DCIN will use its reasonable endeavors to ensure that the faculty members are trained to conduct the experiments i.e. 'Train the Trainer Program'. DCIN would also conduct few guest lectures at ACSE to support the delivery of the connected subject.





#### **4.2 Creation/Updation of syllabus for ACSE**

DCIN will use its reasonable endeavors to support ACSE with respect to curriculum creation / updating, which would help enhance the technical skills of ACSE students. This will ensure that the students are readily absorbed by the industry.

#### **4.3 Technical presentations and talks at ACSE**

DCIN will use its endeavors to provide its speakers to participate and deliver technical presentations and talks on topics that would be jointly decided by ACSE and DCIN.

#### **4.4 Projects for Undergraduates and Post-graduate students**

DCIN will use its endeavors to explore the possibility of increased student and faculty interface by way of projects for students from both undergraduate and post-graduate courses, depending on the need for and availability of such projects in DCIN.

#### **4.5 ACSE offerings to DCIN (without any legal obligations or commitment)**

- 1 To encourage Engineers at DCIN to pursue higher qualification and apply for PG and Ph.D programs at ACSE under industry sponsored scheme subjected to institute norms related to eligibility and selection process
- 2 Technical talks and lectures by ACSE faculty on need basis;
- 3 Provide campus placement facility at ACSE within the framework of Institute norms.

### **5. Confidentiality**

Either Party guarantees and acknowledges that all information whether in writing or oral or otherwise obtained from other Party under this MoU would be kept strictly confidential during the MoU or after cessation; either Party shall not divulge, disclose or impart such information to any third person / organization unless compelled by a lawful order of a court of law or as a result of binding legislation. The provision of this clause shall survive the termination of this MoU.

All confidential information submitted by one Party to the other shall remain the property of the Party from which it originates. Each Party shall return to the other all the confidential information received from the other Party and any copies thereof, promptly upon the request of the other Party which disclosed the confidential information, however, one copy may be retained for archival purpose.

No other warranties are made by either party under this MoU and all information exchanged under this MoU is provided "as is". The disclosing Party shall not be in any way responsible for any decisions or commitments made by receiving Party in reliance with the disclosing Party's confidential information.





No patent, copyright or other intellectual property rights are transferred by this MoU, nor is any right or license under any invention or patent granted hereunder.

**6. Term & Termination:**

This MoU shall come into effect from 16<sup>th</sup> January 2018 and shall remain in full force and effect for a period of thirty-six (36) months. Thereafter, this MoU may be renewed in writing on such terms and conditions as mutually discussed and agreed between the Parties.

Either Party shall have the right to terminate this MoU by giving thirty (30) days notice in writing to the other Party.

**7. Liability:**

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

**8. Arbitration:**

Any dispute and/or difference arising out of or pertaining to this MoU, shall first be resolved by the Parties through negotiations, failing which the same shall be subject to arbitration of arbitrator/s to be set up by Parties on mutual consent, such dispute and/or difference shall be settled by Arbitration in Bangalore in accordance with the Indian Arbitration and Conciliation Act, 1996 ("Act of 1996") by three (3) arbitrators, appointed in accordance with the Act of 1996.

**9. Governing Law and Jurisdiction:**

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

**10. Non Solicitation:**

ACSE shall not directly or indirectly solicit, or cause to be solicited the employment of any employee of DCIN, who is involved in the performance or management of its obligations under this MoU.

**11. GENERAL**

- (i) **Use of logos:** The use by a Party of the name, logo and/or official emblem of the other Party on any publication, document and/or paper is allowed only, after seeking explicit permission in writing by such other Party.
- (ii) **Representation:** Neither Party shall represent the other Party in any manner. This MOU does not give authority to ACSE to either represent or exercise opinion or decision, on behalf of the DCIN.

**12. Binding:**



This MoU shall be binding on the Parties.

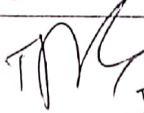
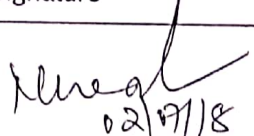
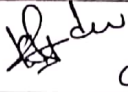
The Parties hereby acknowledges that this MoU is confined to general frame work terms agreed between the Parties for mutual co-operation. Therefore, this MoU shall have no further force and effect, if no specific contracts or minutes are entered into between DCIN and ACSE to carry out any specific activity, mutually discussed and agreed between the Parties.

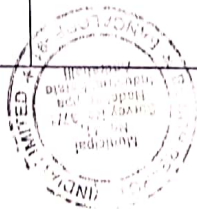
**13. Entire Agreement**

This MoU supersedes and replaces any and all prior agreements, understandings or arrangements, whether oral or written here to fore made between the Parties and relating to the subject matter hereof, and constitutes the entire understanding of the Parties with respect to the subject matter of this MoU. This MoU may not be modified, changed, altered or amended except by an express written agreement signed by all Parties hereto.

**14. Counterparts:**

This MoU may be executed in counterparts, each of which shall be deemed to be the original and all counterparts shall collectively constitute a single instrument.

Signatories from Bosch Rexroth India Pvt. Ltd.		Signatories from (ACSE)	
Name and Designation	Signature	Name and Designation	Signature
Mr. Dharendra Gandhi (General Manager)	 28/07/2018	Mr. M.S. Murali (Principal)	 02/07/18
Witness			
Mr. Rajdev Chetan (DGM)	 02/07/18		



## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding is made Industrial Technologies (IT) by and between ACS College of Engineering, a company incorporated under the laws of India.

AND

ACS College of Engineering and IT shall hereinafter be collectively referred to as "**Parties**" and individually as "**Party**"

### WHEREAS

- A. IT is primarily engaged in the Training Business in New Trends in Automation
- B. ACS is an educational institution which aims at fostering advancement of education in different engineering and scientific disciplines; and
- C. The Parties wish to co-operate with each other as per the terms and conditions enumerated in this MoU.

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

#### 1. Objectives of Cooperation under the MoU

IT will provide and Coordinate the training in field of Automation Technologies

- PLC, SCADA, Sensors, Industrial IOT
- New Trends in Automation
- Industrial Hydraulics and Industrial Pneumatics

#### 2. Coordination from IT

- Marketing, Organizing work Shop, Coordinating for trainers for programs, Permissions for gate pass, refreshments.

#### 3. Mechanisms for Cooperation

The 'Joint Working Group' shall implement, administer and execute the following measures as under

##### 3.1 Technical guidance for creation of Automation related Labs

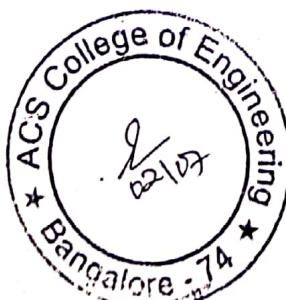
IT will use its reasonable endeavors to support ACS by creating experiments for all Departments in ACS as per Industry Standards.

##### 3.2 Creation/Updating of syllabus for ACS

IT will use its reasonable endeavors to support with respect to curriculum creation / updating, which would help enhance the technical skills of ACS students. This will ensure that the students are readily absorbed by the industry.

##### 3.3 Technical presentations and talks at ACS

IT will use its endeavors to provide its speakers to participate and deliver technical presentations and talks on topics that would be jointly decided by ACS and IT.





### 3.4 Projects for Undergraduates and Post-graduate students

IT will use its endeavors to explore the possibility of increased student and faculty interface by way of projects for students from both undergraduate and post-graduate courses, depending on the need for and availability of such projects in IT

### 4. Confidentiality

Either Party guarantees and acknowledges that all information whether in writing or oral or otherwise obtained from other Party under this MoU would be kept strictly confidential during the MoU or after cessation; either Party shall not divulge, disclose or impart such information to any third person / organization unless compelled by a lawful order of a court of law or as a result of binding legislation. The provision of this clause shall survive the termination of this MoU.

All confidential information submitted by one Party to the other shall remain the property of the Party from which it originates. Each Party shall return to the other all the confidential information received from the other Party and any copies thereof, promptly upon the request of the other Party which disclosed the confidential information, however, one copy may be retained for archival purpose.

No other warranties are made by either party under this MoU and all information exchanged under this MoU is provided "as is". The disclosing Party shall not be in any way responsible for any decisions or commitments made by receiving Party in reliance with the disclosing Party's confidential information.

No patent, copyright or other intellectual property rights are transferred by this MoU, nor is any right or license under any invention or patent granted hereunder.

### 5. Term & Termination:

This MoU shall come into effect from **2<sup>nd</sup> July 2018** and shall remain in full force and effect for a period of thirty-six (36) months. Thereafter, this MoU may be renewed in writing on such terms and conditions as mutually discussed and agreed between the Parties.

Either Party shall have the right to terminate this MoU by giving thirty (30) days notice in writing to the other Party.

### 6. Liability:

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

### 7. Arbitration:

Any dispute and/or difference arising out of or pertaining to this MoU, shall first be resolved by the Parties through negotiations, failing which the same shall be subject to arbitration of arbitrator/s to be set up by Parties on mutual consent, such dispute and/or difference shall be settled by Arbitration in Bangalore in accordance with the Indian Arbitration and Conciliation Act, 1996 ("Act of 1996") by three (3) arbitrators, appointed in accordance with the Act of 1996.

### 8. Governing Law and Jurisdiction:

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



## Proposal for Industrial Internship and Training Program in ACS Campus..

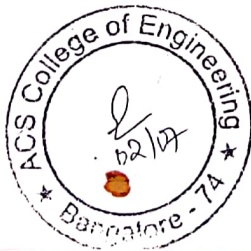


### ▪ Scope of College :-

- College will provide the space for Setting up labs along with Class Room with projector and Sitting capacity of 25 Students.
- College needs to provide Power Supply as per requirement .
- College will also provide Cabin Space for Coordinator and Trainer.
- College needs to provide Furniture( Locked and Key arrangement ) to store the records and Critical components
- Encouraging Students from all departments and nearby colleges for participation to join program.
- Supporting Collection of fees from Students .

### ▪ Scope of Academic Partner.

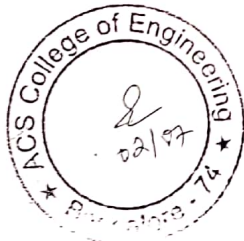
- Installing of Training Equipments .
- Preparation of Different Modules and Training programs
- Internship Students will be assisted by Mini Projects .
- Certificate on completion.
- Maintenance of the Equipments and Software.
- Coordination of getting trainer for execution of programs
- Feed Back and Review.
- Guest Lecture
- Joint Certificate



## Commercial Details



- 10 % of Total Revenue will be given to college
- 90% needs to be paid before start of Training program to Industrial Technologies Bank Account directly.
- TDS deduction is Applicable.
- The agreement will be for 3 years and Can be Discontinued in between with Mutual consent .
- Training material will be given in Soft form to all Students .







**AAKSPRO™**  
RESEARCH FOUNDATION



**ACS**  
College of Engineering  
Bangalore

## MEMORANDUM OF UNDERSTANDING / AGREEMENT

This Memorandum of Undertaking is made on this day 3<sup>rd</sup> November 2017, between AAKSPRO Research foundation having its office at Coimbatore - 641012 and Srivilliputtur - 626 125, Tamilnadu, and the host ACS College of Engineering (PARTY B) having its institution at kambipura, Mysore Road, Bengaluru - 560 074, Karnataka.

### Purpose

This AAKSPRO, a research foundation at Coimbatore and Srivilliputtur promotes in transfer and sharing of knowledge through the conduct of IEEE International conference with the host (PARTY B)

### Infrastructure

The host shall offer all infrastructure facilities and required manpower during the conference for the successful completion.

### Financial commitment

There is no commitment financially on the part of the host. The financial needs are taken care through the registration of candidates by AAKSPRO. Account statement need not be necessarily submitted to the host. Remaining fund generated for the purpose of conference will be taken by AAKSPRO. However, Rs.1,00,000/- (if No. of registration exceeds 200) / Rs. 50,000/- (if No. of registration is less than 100) will be given to the institution at the end of the conference for utilizing their infrastructure for the two days conference. The cost of the inviting the guest from the host's side should be taken care by them.

### Implementation

AAKSPRO will take up the complete responsibility, initiating from Brochure and website preparation that includes the content and design the context of the conference, till the completion of the program.

All the papers will be reviewed by senior academicians from premier universities / institutions, IEEE Members, Recognized Supervisors of top universities, etc., The session chair for each session will be invited from premier institutions / universities. Best paper award (certificate) will be given for each session.

(Contd...)



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**ACS**  
College of Engineering  
Bangalore

All the selected papers will be published in the conference proceedings (CD) with IEEE ISBN No. All the selected papers will be submitted to IEEE for the possible inclusion in IEEE Xplore and possible Tie-up also can be done with UGC approved and highly indexed Journals.

All the conference committee members like conference chair, organizing chair etc. will be assigned by the institution.

#### Data

Soft copy of the proceedings will be submitted to the host at the end of the conference by means of CD. Other Content regarding the details of the conference will not be shared.

#### Period of Validity

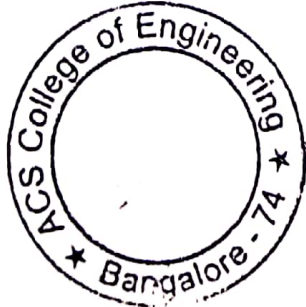
This agreement shall be initially valid for one year from the date of signing the agreement and to be renewed subsequently by mutual consent of both the parties.

#### Arbitration

The parties to the Agreement shall settle any dispute arising with regard to any aspect of this Agreement through mutual consultations and agreements.

For the AAKSPRO

[Dr. N. Saravana Selvam]  
Founder & CEO, AAKSPRO



Date : 03.11. 2017

Station : Bengaluru

For HOST

[ Dr. M.S. Murali ]

Principal

ACS College of Engineering,  
Bengaluru.

**Principal**  
**A.C.S. College of Engineering**  
Kambipura, Mysore Road, Kengeri Hobli,  
Bangalore - 560 074





सत्यमेव जयते

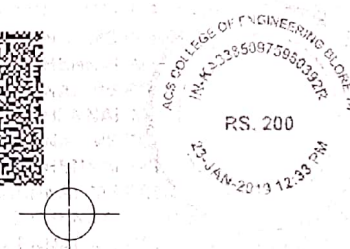
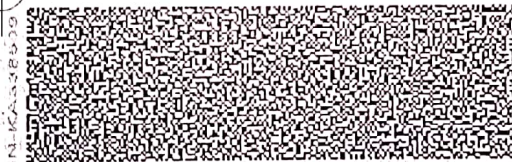
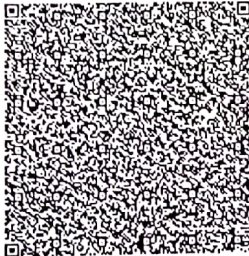
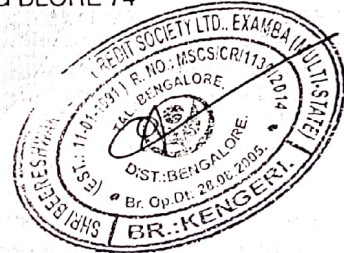
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**Government of Karnataka**

Rs. 200

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Certificate No. : IN-KA33850975950392R  
 Certificate Issued Date : 23-Jan-2019 12:33 PM  
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 Purchased by : ACS COLLEGE OF ENGINEERING BLORE 74  
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 Description : M O U  
 Consideration Price (Rs.) : 0  
 (Zero)  
 First Party : MS PONGU VENTURES CHENNAI  
 Second Party : ACS COLLEGE OF ENGINEERING BLORE 74  
 Stamp Duty Paid By : ACS COLLEGE OF ENGINEERING BLORE 74  
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### MEMORANDUM OF UNDERSTANDING/AGREEMENT

This Memorandum of Understanding is for conducting programmes known as "Building of an Innovation and Incubation Center in College Campus" is executed & signed on this Twenty-third Day of January, 2019 (23-01-2019) at Bengaluru.

*[Signature]*

*[Signature]*

1

#### **Statutory Alert:**

1. The authenticity of this Stamp Certificate should be verified at "www.shcilestamp.com". Any discrepancy in the details on this Certificate and as available on the website renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.



**By and Between:**

**Pongu Ventures, Pvt Ltd**, office at 186, 8th main Road, Pallikaranai, Chennai-600100, TAMILNADU. Hereinafter referred to as the "First Party"/ "IMC" (Innovation Management Consultancy) which terms shall mean & include its authorized representative, heirs, assigners, successors in Office.

**AND**

**ACS College of Engineering (ACSCE)**, #207, Kambipura, Mysore Road, Bangalore-560 074, Karnataka. Hereinafter referred to as the "Second Party"/ "ACSCE" which terms shall mean & include its authorized representative, heirs, assigners, successors in Office.

**RECITALS**

- A. ACSCE is in the service of providing educational services and developing institutions and related activities for students' community, faculties, either directly or through its affiliates.
- B. Pongu Ventures, Pvt. Ltd., is engaged in the business of providing SSS-Start a Startup from Scratch Program, Pre-Startup Services, pre-incubation services for startups like training, mentoring, consulting, advising, counseling, coaching, planning, modeling and pitching program.
- C. The program shall be conducted in the campus of ACS College of Engineering.
- D. This MOU details the modalities and general conditions regarding collaboration between Host Institute and IMC for enhancing, within the campus, in building an Innovation Ecosystem, Creating Startups and managing the Campus Pre-Incubation facility. Other areas of cooperation can be extended through mutual consent.
- E. This MOU also details the interaction between Host Institute and IMC. Both shall encourage interactions between the Students, Alumni, Engineers, External Mentors, Advisors, Consultants, Research fellows and faculty members of both the organizations through the following arrangements.

WHEREAS, the parties after mutual discussions and negotiations have reached





- f. Provide norms and guidelines to Top Management wherever necessary for the Innovation Cell and Incubator.
- g. Provide timely clarifications regarding Inputs relating to Innovation Management and any other necessary information related to Student Startup to the Top Management.
- h. Shall ensure through proper coordination and consultation that the entire program provide quality training to the students.
- i. Facilitate to create in-house Innovative solutions/approaches on campus to enhance the creativity and Cognitive skills of Students.

### 3. Deliverables of IMC:

The IMC will select between 50 to 100 participants from each campus for the Innovation and Incubation cell. Participants for the Innovation cell in each campus include students, alumni and faculty members. As a one year program of total 100 hours (for both the College together), the innovation and Incubation activities happening in each campus will be quantified as follows.

- a. All innovators will undergo Design Thinking training
- b. 25 - 40 real world problem statement will be discussed and identified by Innovators that will also be analyzed whether it can be solved by campus innovators/Entrepreneurs
- c. 20 - 40 innovative ideas will be generated in the Campus
- d. 10 - 20 novel ideas that leads to P o C
- e. 5 - 10 proof of concepts lead to Prototype
- f. 2 - 5 prototype lead to IPR (patent, copyright, Design etc.)
- g. Minimum 2 product lead to MVP (Minimum Viable Product or Service)
- h. Minimum 2 MVP launched as a Startup Business at the end of the each program

### 4. Consultancy Fees and Charges

The IMC will charge Rs 35,000 + 18% GST per month for 1 year Program (as mentioned in Annexure below A,B,C,D,E) Starting from 1<sup>st</sup> Feb 2019 till 31<sup>st</sup> January 2020. Host Institute agrees to pay in advance at least 20 days ahead of each month's program.

 4

## 5. Termination:

5.1. This MOU may, be terminated either party by giving one month prior notice with or without cause or in case either party fails to provide the services successfully as mentioned in the agreement, or violates any of the clauses mentioned in the MOU, or either party misuses the partnership in any way.

5.2 Termination of this MOU will be without prejudice to the accrued rights and liabilities of the parties under this MOU.

## 6. Amendment to the Agreement

The obligations of the IMC and Host Institute have been outlined in this agreement. However, during the operation of the agreement, circumstances may arise which call for amendment or modifications of any sec of this Agreement. These modifications/alterations/amendments will be mutually discussed and agreed upon in writing.

## 7. Period of Validity

This agreement shall be initially valid for one year from the date of signing the agreement and to be renewed subsequently by mutual consent of both the parties.

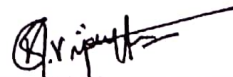
## 8. Arbitration

Any dispute arising with regard to any aspect of this Agreement shall be settled through mutual consultations and agreements by the parties to the Agreement.

Signature



(Dr. G. Vinoth)  
Chief Executive Officer,  
M/S. PonguVentures Pvt. Ltd,  
Chennai- 600 100.



(Dr. S. Vijayanand)  
Executive Director,  
ACS College of Engineering,  
Bengaluru- 560 074.





## Annexure A

### A: Startup Business Analysis & Reports

- a1) Involvement in the Discovery of Problem
- a2) Facilitating Novel Idea Generation
- a3) Problem Solution Fit Analysis
- a4) Idea Validation / Proof of Concept
- a5) Co-Founders Startup Fit Analysis
- a6) Business Model Canvas
- a7) Pricing Model
- a8) Revenue Models
- a9) MVB - Minimum Viable Business Case
- a10) Setting Milestone & Creating Initial Traction for Startup
- a11) Product/Service Market Fit Analysis
- a12) Innovation Readiness Level Report
- a13) Technology Readiness Level Report
- a14) Manufacturing Readiness Level Report
- a15) Build Vs. Buy Analysis
- a16) Scalable Business Model
- a17) Unique Selling Proposition or USP
- a18) Teaser Deck

B. Vignath



## Annexure B: Startup Business Creation Documents

- b1) Startup Business Plan
- b2) Feasibility Study
- b3) Startup Financial Statements (P&L, CF, BS)
- b4) ROI Calculation
- b5) Sales/Revenue Projection
- b6) Projection for Greenfield project
- b7) Pitch Deck
- b8) Go To Market Strategy

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## Annexure C: Colloquium/Training On Building Innovation Ecosystem and Startup Creation

- c1) Fuzzy Front End of Innovation
- c2) Creativity and Innovation Management
- c3) Design Thinking
- c4) Lean Startup methodology
- c5) Frugal Startup and Funding Model
- c6) Shared Economy & 21st Century Commerce
- c7) Bright & Dark side of Entrepreneurship
- c8) Business Modeling
- c9) Startup Business Incubation
- c10) Pitch and Demo day

*S. V. Jyoti*

*Q. A. H.*



#### Annexure D: Workshop / Seminar Series By Experts

- d1) Digital Marketing
- d2) IoT Opportunities
- d3) Emerging Technologies
- d4) Technology Management
- d5) Basic Financials for Entrepreneurs
- d6) Strategic Management & Leadership
- d7) How to get Self Motivated
- d8) Startup Entrepreneur Talk
- d9) How to Sell Tech Products/Services
- d10) Business Etiquette
- d11) Rapid prototyping and 3D Printing
- d12) Managing Intellectual Property Rights (IPR)

*Grijanth*

*Quat*

### Annexure E

- ❖ This fee mentioned in section 5, includes services for “ Building Innovation Ecosystem” as well as services mentioned in Annexure A & B for 2 (Two) Student Startup Business Creation with pre-incubation support along with Services mentioned in Section C for each Colleges.
- ❖ All pre-incubation support services will be completed within 12 months from the date of starting the program.
- ❖ For two startup creation upto 8 to 10 founders /Co-founders will be selected, among all the participants in the Innovation Club through rigorous selection process. Founders can be 3rd year students, 4th year Students, Alumni or Faculty members. One co-founder for each startup team may also be brought in from outside if he/she complement the skill sets of the founders on campus.
- ❖ Any additional startup creation beyond 2 start-ups companies will be charged at the rate of Rs. 12,000 per month per startup for pre-incubation support services for a period of 12 months to avail the necessary set of analysis, reports and documentation mentioned in Annexure A & B.
- ❖ All services mentioned in A, B, and C are delivered as one wholesome package which cannot be split.
- ❖ Any 2 relevant Workshop topics in section D will be chosen and provided free of cost. Any additional Workshop mentioned in Section D, requested by the Management will be charged extra.
- ❖ Accommodation for resource person/experts should be provided by Host Institution. Transportation facility(optional) may be provided from the Airport or Railway station by the host Institution.
- ❖ Any change in dates for the meetings, and seminar series will be informed 15 days ahead of the program. You are requested to arrange one coordinator who can coordinate with our team in a seamless fashion.
- ❖ Startup Creation Meetings and Seminars will be held twice a month for both the colleges. We kindly request you to make arrangements for 2 to 3 hours





meeting with the students, alumni involved in the startups, for every meeting.

- ❖ Please ask all participants in this program to assemble in the Innovation cell.
- ❖ It is advisable to allocate 3000 Sq ft to 10,000 Sq. ft for the Innovation cell and coworking space for the incubatees in the business incubator.
- ❖ Our Experts, Mentors, Consultants, Advisors or the Team member will coordinate seamlessly once the startup team is formed in the campus, apart from the 2 regular meetings in a month for the period of 9 to 12 months. The founders of the startups should be available over phone or virtual meetings apart from the 2 regular monthly meetings in their after college hours.





## Annexure F

### Program Schedule for first 3 Months

S. No	Topic	Date
1	a) Meeting with Principal and Faculty member of Rajarajeswari College of Engineering  b) Meeting with 3 <sup>rd</sup> year students for identifying and selecting innovators & interdisciplinary team formation for RR innovation cell	Feb 5 <sup>th</sup> 2019 morning  Feb 5 <sup>th</sup> 2019 afternoon
2	a) 3 hr workshop - Problem Discovery workshop in RR Innovation cell  b) Meeting with Principal and Faculty member of ACS College of Engineering  c) Meeting with 3 <sup>rd</sup> year students for identifying and selecting innovators & interdisciplinary team formation for ACS innovation cell	Feb 6 <sup>th</sup> 2019 Morning  Feb 6 <sup>th</sup> 2019 Afternoon  Feb 6 <sup>th</sup> 2019 Afternoon
3	3 hr workshop - Real world Problem Discovery through Design Thinking Approach in ACS Innovation Cell	Feb 7 <sup>th</sup> 2019 (Morning or Afternoon)
4	a) Based on outcome of 1 <sup>st</sup> month workshop - RR Innovation Teams present Problem Statement based on real world problem discovery  b) 3 hr workshop - "Idea Generation through Creative and Cognitive Thinking" workshop for RR Innovation Cell	Mar 5 <sup>th</sup> 2019 Morning  March 5th 2019 Afternoon

*Q. vijay*

5	a) Meeting with Management and Faculty of RR College to draft IPR policy	Mar 6 <sup>th</sup> 2019 Morning 10 to 11 AM
	b) Based on outcome of 1 <sup>st</sup> month workshop - ACS College each Innovation Team present final Problem Statement based on real world problem discovery	One to One Meeting with Each Innovator Team between 11 Am till 1 PM .
	c) 3 hr workshop - Idea Generation through Creative Thinking	Mar 6 <sup>th</sup> 2019 Afternoon
6	Meeting with Management and Faculty of ACS College to draft IPR policy	Mar 7 <sup>th</sup> 2019
7	a) Based on outcome of 2 <sup>nd</sup> month workshop RR College Teams present their ideas - More than 1 idea generated for a single problem statement	Apr 2 <sup>nd</sup> 2019 Morning
	b) 3 hr workshop - Brainstorming, Problem Solution fit analysis for each Innovator team in RR Innovation Cell	Apr 2 <sup>nd</sup> Afternoon
8	a) Based on outcome of 2 <sup>nd</sup> month workshop ACS College Teams present all their novel ideas - More than 1 idea should be generated for a single problem statement	Apr 3 <sup>rd</sup> 2019 Morning
	b) 3 hr workshop - Brainstorming, Problem Solution fit analysis in ACS College	Apr 3 <sup>rd</sup> 2019 Morning
9	Ideas finalized to move to PoC stage from both Colleges will be reviewed by the Faculty team and Pongu Ventures team in the Innovation Cell	Apr 4 <sup>th</sup> 2019 morning
	Meeting with Executive Director to discuss progress report for 3 Month Program and also finalize IPR policy for both colleges	Apr 4 <sup>th</sup> 2019 Afternoon

Note: Schedule for the remaining 9 months will be provided by April end 2019



**Annexure F**  
**Program Schedule for first 4 Months**

S. No	Topic	Date
1	a) Meeting with Principal and Faculty member of ACS College of Engineering	Feb 13 <sup>th</sup> 2019 Morning
	a) Meeting with 3 <sup>rd</sup> year students for identifying and selecting innovators & interdisciplinary team formation for ACS innovation cell	Feb 13 <sup>th</sup> 2019 afternoon
2	3 hr workshop -- Real world Problem Discovery through Design Thinking Approach in ACS Innovation Cell	Feb 14 <sup>th</sup> 2019 afternoon
3	Based on outcome of 1 <sup>st</sup> month workshop -- ACS College each Innovation Team present final Problem Statement based on real world problem discovery	One to One Meeting with Each Innovator Team Mar 12 <sup>th</sup> 2019 afternoon
4	3 hr workshop - "Idea Generation through Creative and Cognitive Thinking" for ACS Innovation Cell	Mar 13 <sup>th</sup> 2019 Morning
5	Meeting with Management and Faculty of ACS College to draft IPR policy	Mar 14 <sup>th</sup> 2019 afternoon
6	Based on outcome of 2 <sup>nd</sup> month workshop ACS College Teams present all their novel ideas -- More than 1 idea should be generated for a single problem statement	Apr 16 <sup>th</sup> 2019 Morning
7	3 hr workshop - Brainstorming, Problem Solution fit analysis in ACS College	Apr 17 <sup>th</sup> 2019 Afternoon
8	Ideas finalized to move to PoC stage from ACS College will be reviewed by the Faculty team and Pongu Ventures team in the ACS Innovation Cell	Apr 18 <sup>th</sup> 2019 Afternoon
9	PoC stage to Prototype	May 8 <sup>th</sup> 2019 Morning
10	Seminar on Rapid Prototyping	May 9 <sup>th</sup> 2019 Morning
11	Seminar on Business Model Canvassing	May 10 <sup>th</sup> 2019 afternoon

**Note: Schedule for the remaining 8 months will be provided by May end 2019**