

**10** YEARS  
OF UNIVERSITY  
RECOGNITION  
**20** YEARS OF  
ACADEMIC  
EXCELLENCE



**REVA**  
UNIVERSITY

Bengaluru, India



**COLLABORATIVE ACTIVITIES FOR  
RESEARCH, FACULTY EXCHANGE, STUDENT  
EXCHANGE/ INTERNSHIP DURING  
2019 - 2020**

Rukmini Knowledge Park,  
Kattigenahalli, Yelahanka, Bengaluru - 560 064

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

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2	Industry Collaboration	Star Certification	Ms. Bhagya	12
3	Industry Collaboration	NXP India Pvt Ltd	Mr. Rahul	21
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5	Industry Collaboration	Happy Mango	Mr. Ravi Shankar & Ms. Prathima	36
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18	Industry Collaboration	Mms University	Ms. Anamika	89
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20	Industry Collaboration	Csir National Aerospace Laboratories	Prof. Anitha Kumar And Students	99
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25	Industry Collaboration	Axis Global Institute Of Industrial Training	Dr. Venkateshappa And Students	130
26	Industry Collaboration	Csir National Aerospace Laboratories	Prof. Raghu And Students	134
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28	Industry Collaboration	Dow Chemical International Pvt. Ltd	Students	146
29	Academic Collaboration	REVA University	Rajaneesh Kumar H V	199
30	Faculty Exchange Program	Medasvi School Of Dance, Singapore 678265, Ph. +6590505240	Ms. Anju Peter	150



Memorandum of Understanding

Between

M/s. Active Edu Technologies India Private Limited

And

School of Computer Science and Applications, REVA University

1. Parties:

This Memorandum of Understanding (hereinafter referred to as MoU) is made and entered into by and between M/s. Active Edu Technologies India Private Limited, having its office at Third floor, S4 Square, 1st Cross Road, Neeladri nagar, Electronic City Phase 1, Bangalore-560100 represented by its Director Ms. Divya R Krishnan, hereinafter referred to as the First Party.

AND

School of Computer Science and Applications, REVA University, Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru, Karnataka 560064 represented by its Director, Dr. S. Senthil hereinafter referred to as the Second Party.

The First Party and Second Party are individually referred to as Party and collectively referred to as Parties.

2. Purpose:

Whereas, the First Party is in the field of providing education and training to students pursuing different educational and training courses and has proposed to the Second Party, its desire to conduct trainings for the students pursuing different courses through it at the college campuses under the ownership and management of Second Party, and

Whereas the Second Party is an educational institution with modern facility and infrastructure support by way of class rooms, library, Information Technology and allied infrastructure and training equipment's required for facilitation of the training, and is willing to associate with the First Party in conducting training for the Course as herein below defined, and

Whereas the Parties have had preliminary discussions in this matter and have ascertained areas of broad consensus. The Parties now, have therefore, agreed to enter in writing these areas of consensus, under this MoU.

3. Definitions: -

"Cheque" refers to bank cheques, bank draft or wire transfers.

"Course" or "Training" refers to Microsoft Technology Associate - HTML and CSS training or any other course as agreed upon from time to time by both the Parties unless specifically mentioned.

Signature of the First Party

Signature of the Second Party

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



“Materials” refers to materials as provided by First Party for the Training, practice and preparation of the examination for the Course.

**4. Process:**

Now, therefore, following are the terms and conditions agreed upon between the Parties:

- i) The first party shall deliver training and then facilitate the certification of the course the details of which are listed as per Schedule – 1 which forms part of this MoU.
- ii) The First Party shall provide faculty members/trainers with requisite experience to conduct the training sessions for the students enrolled for the Course.
- iii) The Second Party agrees to permit the First Party to conduct the Course in their premises and provide a conducive atmosphere, infrastructure and provide support for the smooth functioning of the trainings.
- iv) The First Party and Second Party will plan and schedule the exact date(s) of commencement of the training as well as the timings for the trainings.
- v) The Second Party shall enroll the students for the Course provided by the First Party and will maintain proper records of the students enrolled and shall share the same with the First Party, in order to avoid any kind of dispute at a later date.
- vi) The fees for the course per certification as mentioned in Annexure 1 per student is agreed to be Rs 847.45/- + 18% IGST with a total sum of Rs. 1000/- as applicable per trainee, and shall be subjected to revision.
- vii) In further to the conditions provided in Clause (vi), the Second Party shall communicate to the First Party the expression of interest by the students for the exam and the First Party shall, based on such written expression of interest provided by the Second Party for and on behalf of the students, endeavor to make available the date, time and center subject to the availability.
- viii) The Second Party shall collect no charges by way of rental or other charges from the First Party in connection with and as a consequence of this MoU.
- ix) Both Parties must conduct the whole exercise under this MoU in the most professional and ethical manner in the larger interest of preserving and promoting the reputation of Active Edu Technologies India Private Limited and REVA University
- x) Both Parties have come to an understanding that, the First Party shall, at its sole discretion, determine the Training Material(s), content and delivery of the Course to be promoted under the MoU. However, the First Party shall reasonably ensure the content, support, quality and affordability of the Materials.
- xi) The minimum size of the batch is mutually fixed at sixty plus students per batch for Courses conducted at Second Party's premises.

  
Signature of the First Party

  
Signature of the Second Party<sub>2</sub>

  
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- xii) The duration of the Course is mutually agreed to be three days' workshop and fourth day exam orientation and online exam. The tentative date for commencement of each batch will be informed to the First Party by the Second Party from time to time.
- xiii) This MoU is effective from the date of signing of this MoU and shall continue to be in force for a period of One (1) year and review thereafter, unless terminated earlier in accordance with the terms of this MoU. Either party can terminate with 60 (Sixty) days' notice subject to completion of batches.
- xiv) Notwithstanding anything contained in the MoU, the First Party shall interact with the students enrolled for the Course and individually collect feedback, written or otherwise, about the classes or faculty.
- xv) If the First Party or the Second Party fails to timely and fully meet the requirements of every batch or has been guilty of any misconduct, dishonesty or has violated any terms of this MoU, even after being served a Sixty (60) days written notice by the aggrieved Party to cure such breach, default or misconduct, then the aggrieved Party reserves its right to terminate this MoU immediately with written notice to the other Party and without incurring any additional liabilities other than any obligations for payments, if any, which are due up to the date of such termination.
- xvi) The Second Party shall make no efforts to encourage the faculty members/trainers provided by the First Party to propagate the Course on their own, or through the Second Party. Further, the faculty members of the First Party shall not be approached for conducting courses or classes for a period of two years in the event of termination of the MoU.
- xvii) Notwithstanding anything contained in this MoU, the MoU may be terminated by Sixty (60) days prior notice in writing by either Party. In case of such termination, both the Parties agree to fulfill their respective obligations under the MoU so as to complete training for any students who have already been enrolled and made the fees payment in the Course.
- xviii) This MoU shall be governed by and construed in accordance with the laws of India. Any dispute arising under this MoU shall be discussed and mutually resolved by the Parties. If such mutual discussions do not settle the dispute within sixty (60) days, the Parties agree to refer the matter to for adjudication by the courts having competent jurisdiction of the first party.
- xix) Each Party shall hold in confidence and refrain from divulging and cause its personnel to hold in confidence and refrain from divulging to any party whomsoever, all data and information about the other Party or concerning the other Party which each Party and/or its personnel may acquire in connection with this MoU, except as otherwise agreed by the Parties.
- xx) The MoU shall be read and exercised in whole and no part of the MoU shall be read and exercised separately.
- xxi) It is expressly understood and agreed that this MoU is entered into as a contractual relation with respect to the conduct of the Courses, which

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relationship shall not, under any circumstances, be regarded as a corporation or partnership or consortium or joint venture or association of persons or any other entity having a distinct legal personality whatsoever. Each Party shall perform its respective obligations under this MoU in a lawful manner, consistent with the highest ethical and business standards.

MoU was signed on 16<sup>th</sup> September 2019 at School of Computer Science and Applications, REVA University.

Ms. Divya R Krishnan  
Director  
Active Edu Technologies India Private Limited

Dr. S. Senthil  
Director  
School of Computer Science and Applications,  
REVA University

Sri. Vasu  
DGM Finance  
REVA University

Dr. M. Dhanamjaya  
Registrar  
REVA University

Signature of the First Party

Signature of the Second Party

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## ANNEXURE - 1

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### DEVELOPER EXAMS

- Introduction to Programming Using Java
- Introduction to Programming Using HTML and CSS
- Introduction to Programming Using JavaScript
- Introduction to Programming Using Python
- Introduction to Programming Using Block-Based Languages
- HTML5 Application Developer Fundamentals
- Software Development Fundamentals

### DATABASE EXAM

- Database Administration Fundamentals

### IT INFRASTRUCTURE EXAMS

- Cloud Fundamentals
- Mobility and Device Fundamentals
- Security Fundamentals
- Networking Fundamentals
- Windows Server Administration Fundamentals
- Windows Operating System Fundamentals

\*Note: This may be subjected to change upon mutual agreement of both the parties.



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Signature of the Second Party



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relationship shall not, under any circumstances, be regarded as a corporation or partnership or consortium or joint venture or association of persons or any other entity having a distinct legal personality whatsoever. Each Party shall perform its respective obligations under this MoU in a lawful manner, consistent with the highest ethical and business standards.

MoU was signed on 15<sup>th</sup> September 2019 at School of Computer Science and Applications, REVA University...

Ms. Divya R Krishnan  
Director  
Active Edu Technologies India Private Limited

Dr. S. Senthil  
Director  
School of Computer Science and Applications,  
REVA University

Sri. Vasu  
DGM Finance  
REVA University

Dr. M. Dhanamjaya  
Registrar  
REVA University

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Signature of the Second Party

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## QUOTATION

Date: 04-09-2019

Quotation No: 009/2019-20

To,

The Director  
School of Computer Science and Applications, REVA University  
Kattigenahalli, Yelahanka Bengaluru-560064  
Karnataka,India

Sl No	Training Name	Deliverable	Price/ Student
1	Microsoft Technology Associate-(MTA)	<ul style="list-style-type: none"> <li>Microsoft Certified Trainer led 4 days' workshop in Microsoft Technology Associate</li> <li>Exam Orientation</li> <li>Technical support for exam</li> <li>Microsoft Technology Associate Exam Voucher</li> <li>Microsoft Certificate for MTA exam passing students and participation certification for the rest of the students.</li> </ul>	Rs.1300+GST @ 18%

### Notes:

- Any increase in number of students, the amount will be changed according to that.
- Payment to be made to the below mentioned Company Bank account:
  - Account no: 50200019078222
  - Account Name: ACTIVE EDU-TECHNOLOGIES INDIA PVT LTD
  - LTD IFSC Code: HDFC0001218
  - Swift Code: HDFCINBB
  - PAN: AAICA6960G, GSTIN: 32AAICA6960G1ZQ
- Institute should provide necessary infrastructure to conduct exam orientation and certifications
- Contact Details:
  - Contact Person: Divya R Krishna
  - Contact Number: 09746355500

For Active Edu Technologies India Pvt Ltd  
Manager Accountants



### Active Edu - Technologies India Pvt. Ltd.

Third floor, S4 Square, 1st Cross Road ,Neeladri Nagar, Electronic City Phase 1  
Ph: 08043777678 Email: [admin@activeclass.in](mailto:admin@activeclass.in) website: [www.activeedu.in](http://www.activeedu.in)

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### Exam Details

- Exam Name: Microsoft Technology Associate
- Length of test: 45 minutes
- Number of Questions: 41 Questions
- Passing Score: 70%
- Language: English

**Active Edu - Technologies India Pvt. Ltd.**

Third floor, S4 Square, 1st Cross Road, Neeladri Nagar, Electronic City Phase 1  
Ph: 08043777678 Email: [admin@activeclass.in](mailto:admin@activeclass.in) website: [www.activeedu.in](http://www.activeedu.in)

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FFE 1661



### Vendor-Neutral Global IT Certifications

Star Certification is the voice of the world's Information Technology (IT) industry. Its members consist of Companies, who are in the fore front of innovations and of professionals who are responsible to maximize the benefits for the organizations from the investments made in Technology. Star Certification is dedicated to advancing industry growth through its educational programs, market research, networking events, professional certifications and public policy advocacy.

Star Certification is engaged in the business of indigenously developed courses and certifications in Information Technology industry. It is a vendor-neutral certification specialized in offering certifications in software, cyber security and disruptive technologies.

With the intention of expanding its field of activity to skill people and empower them with new and next generation technologies, Star Certification is desirous of offering Star Certification Authorized Academy facility to various Institution/School/Collages/University/Academia Providers all over the world.



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**Academy Acceptance Document**

Information of Partner:	Star Certification
Institute/College/School/Academy Name: REVA University	Contact Person Name: Bivin Jacob
Address: Reva University Kattingenahalli , Yelahanka Bengaluru - 560064 Karnataka India	Email: bivin@starcertification.org
Contact Number: 7349797355	Contact Number: 9900211303
Email: dir.csa@reva.edu.in	Landline:
Landline:	

This Partner Acceptance Document, upon execution, authorizes you to participate in one or more of the Star Certification Authorized Academy Programs sets forth the terms of your participation. If no Territory is identified, the Territory will default to the country of your address above. The "Agreement" is comprised of this Academy Acceptance Document(s), the Partner Terms and Conditions, each applicable Program Appendix and transaction document(s) (which may be referred to as "Order Forms") entered into pursuant to these terms (collectively, the "Agreement"). Additional Program Appendices may be added by executing additional Academy Acceptance Documents.

Partner REVA University	Star Certification
Title Director - School of CSA	Title Manager - Business & Academia
Date 12/12/2019	Date 12/12/2019
Printed name Dr.S. Senthil <i>S. Senthil</i> 12/12/2019	Printed name Bivin Jacob <i>Bivin Jacob</i>



Star Certification LLC  
318, Competent House, F-14, Connaught Place, New Delhi, India. Pin : 110001.

+91 11-49869530 star-india@starcertification.org www.starcertification.org

*Roe*

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Bengaluru - 560 064



**Star Certification  
Authorized Academy Partner**

**Application Form**

Please complete the form below and sign the legal agreement below and keep a copy of all your documents. Please allow two to three weeks for processing. This document does not constitute as an offer by Star Certification. Submission of a signed copy of this document together with the attached Application Form constitutes an offer to participate in the Star Certification Academy Program.

<b>Section A: Delivery Partner Information (all fields required unless noted otherwise)</b>			
Training Centre Name: IANT EduCom Pvt Ltd			
Primary contact for Star Certification related matters: Bivin Jacob 9900211303 bivin@starcertification.org			
Shipping address (P.O. Box not accepted): 4th Floor, Murlidhar Complex, Fatehpura Cross Road, Opp. Ankur School, Paldi,			
City Ahmedabad	State/Province Gujarat	Country India	ZIP/Postal Code 380007
Telephone No.:		Fax No.:	
Email Address: contact@iantindia.com			
Website URL: https://www.iantindia.com			
Type of Training Centre (Please tick where applicable):			
<input type="checkbox"/>	University		
<input type="checkbox"/>	Higher-education Institution (≤4 years)		
<input type="checkbox"/>	Higher-education Institution (≤2 years)		
<input checked="" type="checkbox"/>	Technical Delivery Partner		
<input type="checkbox"/>	Others (please specify): _____		
Star Certification Program to be offered in Academy Partner (Please tick where applicable)			
<input checked="" type="checkbox"/>	Full/part- time academic program (for academic credit)		
<input checked="" type="checkbox"/>	Full/part- time non credit program		
<input checked="" type="checkbox"/>	Corporate training program		
<input checked="" type="checkbox"/>	Others (please specify): Skill Development Program (SDP)		

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Bengaluru - 560 064



**Section B: Partnership Development Information**

Name all of your existing and/or intended Star Certification Certified Instructors (SCI):

First Name	Last Name	Email Address
Mr.Manoj		
Mr.Rajesh Maurya		
Mr.Binoy		

\*Note: it is mandatory for an Academy Partner to register a Star Certification Certified Instructor (SCI) who is a staff or a consulting Star Certification Certified instructor (SCI) with Star Certification. If you do not register a SCI within six months of acceptance of this agreement, Your Academy status may be suspended or revoked until this requirement is met.

**Academy Partner Detail (Name, Designation, Email, Telephone No)**

**Marketing:**

Name	Designation
Email	Tel. No.

**Sales:**

Name	Designation
Email	Tel. No.

**Finance:**

Name	Designation
Email	Tel. No.

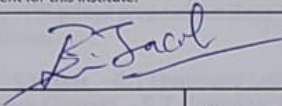
**Administration:**

Name Ms.Malathi	Designation Manager, UIIC
Email malathi.r@reva.edu.in	Tel. No. 080-66226622, Ext: 180



*Re*

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**REVA University**  
Bengaluru - 560 064

<b>Star Certification Representative/ Distributor Details</b>		
Name <b>Bivin Jacob</b>		
Contact Details <b>#318, Competent House, F14 Connaught Place , NewDelhi 011- 49869530</b>		
Declaration By signing below, I certify that the information provided in this application is true and accurate. I have the authority to sign contractual agreement for this institute.		
Signature 		
Name <b>Bivin Jacob</b>	Title <b>Manager - Business &amp; Academia</b>	Date <b>12/7/2019</b>



### *Benefits of Star Certification Authorized Academy*

1. Free E-book for faculty | Professor | Tutor | Trainer listed below
2. 50% discount on exam voucher for faculty | Professor | Tutor | Trainer listed below
3. School/College/University/Academy/Institute can use Star Certification Authorized Academy Logo
4. For Academic / Academia affiliation cost is not applicable.



📍 Star Certification LLC  
318, Competent House, F-14, Connaught Place,  
New Delhi, India. Pin : 110001.

☎ +91 11-49869530 ✉ star-india@starcertification.org  
🌐 www.starcertification.org





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#318 | Competent House | F-14, Connaught Place | NewDelhi – 110001

12/12/2019

**Course Details for Reva University**

Please find our special priced proposal for Reva University and the pricing details / deliverables of the courses are as follows.

- ✓ **15 - SDP Courses** - ILT (Instructor Led training) for Skill Development program.
- ✓ **5 - Advance Courses** - ILT (Instructor Led training)

**Skill Development Program :**

Course Details	Special Price	Final Price
Cloud Computing – Fundamental	847 + GST	1000
DevOps - Essential	847 + GST	1000
BigData Programming- Essential	847 + GST	1000
Big Data Analytics - Essential	847 + GST	1000
IOT- Essential	847 + GST	1000
Python	847 + GST	1000
R Programming	847 + GST	1000
AI & ML for Business Application	847 + GST	1000
Machine Learning for Beginners	847 + GST	1000
Star Cyber Secure User	847 + GST	1000
Android	847 + GST	1000
C Programming	847 + GST	1000
C++	847 + GST	1000
PHP	847 + GST	1000
HTML	847 + GST	1000

- **Minimum batch size should be approx. 100**
- **Deliverables:**
  - **ILT- Instructor Led Training**
  - **Training for 3 days & 1 day Exam**
  - **Exam Voucher**
  - **70% is the passing score and Global Certification on clearing the exam**
  - **Participation Certificate**

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**REVA University**  
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Course Details	Special Price	Final Price
Internet of Things	4237 + GST	5,000
Big Data Analytics	2966 + GST	3,500
Cloud Computing	2966 + GST	3,500
Big Data Programming	2966 + GST	3,500
DevOps	2966 + GST	3,500

- **ILT- Instructor Led Training**
- **Ebook**
- **Training for 5 days**
- **Exam Voucher**
- **70% is the passing score and Global Certification on clearing the exam**
- **Participation Certificate**

\* *Validity of the proposal is one year from the date of the proposal.*



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**REVA University**  
Bengaluru - 560 064



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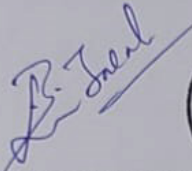
#### Terms and conditions

1. The above mentioned programme are conducted by experts of the training provider. The Director of the School will select the program from the list that is offered, according to the requirement of Syllabus.
2. After short listing the course, the department will share the finalized course, Number of students, program date, would be attached in the annexure.
3. Trial/Demo of the software / Hardware installation has to be done one day prior to avoid any hurdles on the day of Training.
4. Any discrepancy occurred during the training program should be addressed immediately and handled diligently. If need be, the trainer should also be replaced for smooth running of the program.
5. The duration of the training program is 32 hrs.
6. The assessments should be done according to the University standards, and the assessed marks should be shared to the teachers.
7. Students having min 75% attendance are eligible for Assessment / Certification.
8. Bill would be raised according to the number of certificates issued.
9. Payment will be processed only after the training partner submits the certificates to the department.

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**REVA University**  
Bengaluru - 560 064



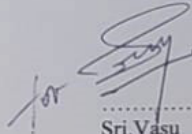
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#318 | Competent House | F-14, Connaught Place | NewDelhi – 110001



Mr. Bivin Jacob  
Manager – Academia  
Star Certification



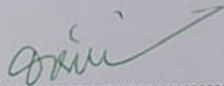
Dr. S. Senthil  
Director  
School of Computer Science & Application  
REVA University



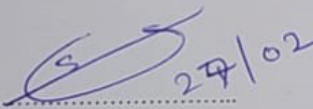
Sri. Vasu  
DGM Finance  
REVA University



Dr. Kiran Kumari Patil  
Director  
NEST  
REVA University



Dr. M. Dhananjaya  
Registrar  
REVA University



27/02

Dr. S.Y. Kulkarni  
Vice Chancellor  
REVA University



Registrar  
REVA University  
Bengaluru - 560 064



REVA



**REVA**  
UNIVERSITY

Bengaluru, India

## STRATEGIC COLLABORATION AGREEMENT

Between

**NXP India Private Limited**

Ground Floor, Manyata Tech Park, Greenheart Phase-III,  
Nagawara, Bengaluru, Karnataka- 560045, India

Email: [Contact.India@nxp.com](mailto:Contact.India@nxp.com)

Website: <http://www.nxp.com>

And

**REVA University**

School of Electronics and communication Engineering

Rukmini Knowledge Park

Kattigenahalli, Yelahanka,

Bangalore – 560064

TEL +91 80 4696 6966  
FAX +91 80 2847 8539  
[www.reva.edu.in](http://www.reva.edu.in)

REGD OFFICE

DivyaSree Chambers, 'A' Wing  
# 11, O'Shaughnessy Road  
Bengaluru-560025

  
REGISTRAR

**REVA University**  
Bengaluru - 560 064



**STRATEGIC COLLABORATION AGREEMENT**  
For University -Industry Collaboration

**STRATEGIC COLLABORATION AGREEMENT**

**Dated January 1, 2020**

**Between**

**NXP India Private Limited**, a company duly organized and existing under the laws of India, having its office at Ground Floor, Manyata Tech Park, Greenheart Phase-III, Nagawara, Bengaluru, Karnataka- 560045, India, India hereinafter referred to as “**NXP**”

**And**

**REVA University**, duly created as per the section 2(f) of the UGC Act, 1956, Approved by AICTE, New Delhi and existing under the laws of the India, having its campus in Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru, Karnataka, India, hereinafter referred to as “**REVA**”.

Hereinafter referred collectively to as the “**Parties**” or individually to as the “**Party**”.

The Parties are proceeding on the following understanding:

**WHEREAS NXP** has experience, capabilities and skills in the field of microelectronics and embedded systems design, production and related activities.

**WHEREAS REVA** has educational and research capabilities and experience in the fields of Electronics & Electronics Engineering and Computer Science & Engineering.

**WHEREAS** the Parties, in order to exploit such respective capabilities, agree to have cooperation, on the basis outlined in this Agreement, (hereinafter referred to as the “**Partnership**”) in the **Fields** including, but not restricted to the list given in the **Appendix**.

This agreement, when executed by us, will evidence the mutual agreement between the Parties.

**Now, therefore, it is hereby agreed as follows:**

**1. Definitions**

- **Intellectual Property Rights (IP Rights):** means all rights in any invention, patent, discovery, improvement, utility model, copyrightable work whether or not registered, industrial design, mask work, algorithm, data structure, trade secret or know-how, confidential information, or any idea having commercial value
- **Patents** means all classes or types of patents (originals, divisionals, continuations, continuations-in-part, provisionals, reissues), including but not limited to patents for inventions, design patents and utility models, and all applications for the aforementioned in all countries in the world.
- **Services:** shall mean the activities/projects to be performed by **REVA** and **NXP**, within the frame of the **Partnership**.

**STRATEGIC COLLABORATION AGREEMENT**  
For University -Industry Collaboration

- **Field:** shall mean the detailed description of the area of investigation as identified by REVA and NXP for each research project under the **Partnership**.

## 2. Objects

The **Partnership** shall be based on the following activities:

- 2.1 To facilitate proliferation of VLSI Design & Embedded Systems knowledge in REVA and NXP by undertaking research projects with the involvement of REVA faculty and students along with NXP employees.
- 2.2 To encourage jointly guided **research** with part of the work done using NXP ecosystem.
- 2.3 To enable REVA M.Tech/ B.Tech students to get exposure to practical R&D scenario in semiconductor industry through collaborative **M.Tech projects** guided jointly by REVA faculty and NXP personnel.
- 2.4 To enable REVA M.Tech students to get the experience of working in an industrial environment through internships at NXP.
- 2.5 To expose REVA faculty members to industrial design issues and help them in **curriculum design** by aligning the coursework with contemporary industry problems in areas including but not limited to the **Internet of Things (IoT) and Signal Processing and Machine Learning**.
- 2.6 Jointly participating in workshops, seminars, lecture series, design contests and conferences.

## 3. NXP Responsibilities and Covenant

- 3.1 For all research projects executed under this **Partnership**, NXP will decide whether to take the design, if applicable, to silicon or not.
- 3.2 NXP will make proper working arrangements for the REVA M.Tech students who opt for and are selected for Internship at NXP premises.
- 3.3 NXP will make reasonable commercial efforts for exposing the faculty members and students to real industry problems and latest tools and technology at NXP in relation to curriculum review, coursework development, and joint research.
- 3.4 NXP will make reasonable commercial efforts to conduct design contests for B.Tech / M.Tech students from time to time. These contests would be time-bound competitions based on NXP design kits and on topics selected by NXP. NXP shall award certificates to participants and may award prizes for winning participants on its discretion. NXP shall have the right to promote such events through press releases and media.



## STRATEGIC COLLABORATION AGREEMENT

For University-Industry Collaboration

- 3.5 NXP will make reasonable commercial efforts for enabling laboratory linked coursework through supply of evaluation kits and associated documentation / technical guidance on case-to-case basis as may be required.
- 3.6 NXP shall extend adequate technical guidance to REVA students M.Tech research projects.

### 4. REVA Responsibilities and Covenant

- 4.1 For the joint research projects, REVA in consultation with NXP shall work towards breaking down the long term (typically three years) problem statements into short term sub-goals (typically annual) for more granular tracking and evaluation of each project.
- 4.2 REVA shall invite representatives from NXP to take part in the admission process for the M Tech and Ph D programmes that may benefit from the **Partnership**.
- 4.3 REVA shall not involve persons from some other industry in project/dissertation/thesis guidance in the B.Tech/M.Tech/Ph.D programmes where NXP is already involved.
- 4.4 REVA shall permit NXP to organize time-bound NXP design contest and facilitate its organization within REVA premises. REVA shall permit its B.Tech / M.Tech students to participate in such contests. REVA shall allow NXP to promote such events through press releases and media as deemed appropriate by NXP.
- 4.5 REVA agrees to create the necessary laboratory facilities as advised by NXP for supporting the research projects.

### 5. Joint Responsibilities and Covenant

- 5.1 REVA and NXP will jointly select students to be guided jointly by REVA and NXP staff.
- 5.2 REVA and NXP will encourage joint supervision of M.Tech projects done by REVA students. Such projects would be done in either NXP through an internship or at REVA premises, or a mix of both. If any of such projects involve the thesis work of a student, NXP will permit the person from NXP associated with the project to be one of the guides for the thesis work of the student. The Internship duration shall neither be less than six months nor more than one year.
- 5.3 REVA shall facilitate work of NXP employees in REVA premises for a specified period, in case needed for a jointly defined project. REVA shall facilitate NXP employees avail its academic programs, if recommended and sponsored by NXP.

**Registrar**

**REVA University**  
Bengaluru - 560 064





**STRATEGIC COLLABORATION AGREEMENT**  
For University -Industry Collaboration

**6. Intellectual Property Rights**

- 6.1 All IP Rights owned or controlled by either Party before the effective date of the Agreement (Background IP) shall remain under the sole ownership of such Party.
- 6.2 The intellectual property rights arising out of this partnership would be owned by NXP. NXP would be responsible for filing, maintaining and defending any claims and/or possible encroachment using its own resources. REVA would provide technical support, if necessary, to defend any such claim and/or possible encroachment. The right for commercial use of such IP developed through the partnership shall rest with NXP. REVA would retain the rights of academic publications by REVA faculty and joint research scholars based on research outcomes.
- 6.3 In case patent application is to be filed by NXP (as referred in Clause 8.2), NXP shall bear all the costs for such patent application.
- 6.4 REVA shall promptly provide to NXP a written description of each new Invention (“Invention Disclosure”) originated or developed by REVA personnel under the **Partnership**.
- 6.5 If REVA needs to exploit the Foreground IP, originated jointly, outside the specified **Fields**, NXP agrees to evaluate the request in a reasonable time. Whenever possible, NXP will grant to REVA, after negotiation on a case by case basis and under agreed favourable conditions, for the duration of the protection of the Intellectual Property rights, a non-exclusive and transferable world-wide license to have access to and to use the Foreground IP, outside the specified **Fields**.
- 6.6 Subject to confidentiality and prior written approval of NXP, REVA shall have the right to make academic publications based on joint research outcomes under the **Partnership**. However, any such publication shall be done only after filing by NXP of the patent application in case an invention is going to be protected through patent application. REVA shall include as authors NXP personnel as identified by NXP in any publication that may emerge under the partnership.
- 6.7 NXP shall include as authors the faculty and students as identified by REVA in any publications that may emerge under the **Partnership**.
- 6.8 Each Party will grant the other Party a non-transferable time-limited, royalty-free, license under its own background if necessary for the completion of any project started under the **Partnership**.
- 6.9 For avoidance of doubt, no Rights are granted or assigned by either party to the other party for any intellectual property or patents generated outside the specified **Fields**.



**STRATEGIC COLLABORATION AGREEMENT**

For University -Industry Collaboration

**7. Confidentiality**

- 7.1 Confidential Information shall mean any item or information including but not limited to electrical/electronic schematic and circuit diagrams, documentation, specifications, formulas, manufacturing processes, know-how, computer programs, technical descriptions and other technical and economic data, records and information pertaining to the **Partnership**.
- 7.2 Information generated by one party will be treated as confidential information belonging to that party. Information generated within the **Partnership** will be treated as the confidential information of all of the parties. All confidential information shall be marked as "confidential" on any written document.
- 7.3 In case one Party intends to disclose to a third party or disclose orally or publish in public conference or journal the existence of this Partnership or any confidential information generated during the **Partnership**, the Party shall require prior written approval from other Party. The necessary decision would be provided by other Party within 3 working weeks of submission of the details to be disclosed by first Party.
- 7.4 The obligations herein in relation to each item of Confidential Information of either Party shall subsist for a period of 6 years from the date of its disclosure, notwithstanding any termination of the Agreement.

**8. Liabilities**

- 8.1 In no event shall either Party be liable to the other Party for any special, indirect, punitive, incidental or consequential damage caused by any breach of its obligations to the other arising out or in connection with any Project under the **Partnership**.
- 8.2 In no event shall either Party be liable to the other in respect to any events arising out or in connection with any Project under the **Partnership** for all causes of action, unless in case of gross negligence or wilful misconduct.

**9. Termination**

- 9.1 This Agreement may be terminated or suspended mutually by either side after giving six months' notice. However, agreed responsibilities towards students need to be fulfilled.
- 9.2 Immediately upon termination, each Party shall provide to other Party all descriptions of final deliverables and any other IP/copyright material pertaining to the activities under the **Partnership**.
- 9.3 The terms as mentioned in this Agreement shall continue in force until terminated according to these terms.

**STRATEGIC COLLABORATION AGREEMENT**  
For University-Industry Collaboration

**10. Dispute Resolution**

- 10.1 In the event of a dispute arising out of or in connection with this Agreement, including any question regarding its existence, validity or termination, the Parties shall attempt to resolve such dispute through amicable negotiation in good faith and by all reasonable and appropriate means.
- 10.2 If the Parties are unable to resolve the dispute, then it shall be referred to and finally resolved by arbitration in New Delhi, in accordance with the Rules of Conciliation and Arbitration of the International Chamber of Commerce for the time being in force, which rules are deemed to be incorporated by reference in this article. The language of the arbitration shall be English.

**11. General**

- 11.1 This Agreement is intended to remain confidential. No public release or disclosure of information concerning its existence and/or content and/or the activities described in this agreement is made by either Party, without the prior written consent of the other Party. Any further activities pertaining to or anyhow related to the **Partnership** and the services deriving there from shall be subject to the signature of a **Non Disclosure Agreement (NDA)** to be executed between the Parties at least on the signature of the Agreement.
- 11.2 Export control and compliance. Each Party hereto represents that it is duly authorized to enter into the Agreement and represents that with respect to its performance hereunder, it will comply with all applicable federal, state and local laws, including, but not limited to those pertaining to U.S. Export Administration, or the export or import controls or restrictions of other applicable jurisdictions.
- 11.3 Any press release or media promotion about this **Partnership** shall be exclusively devised, reviewed and agreed by both Parties in written before making any such public announcement.
- 11.4 Neither Party shall assign or transfer any of its rights or obligations hereunder without the prior written consent of the other Party; notwithstanding the foregoing **NXP** may assign this agreement to any **NXP** Affiliate or any third party.
- 11.5 Each Party will bear its own cost relating to the discussions covered by this Agreement.
- 11.6 Except for this section "11. General" the use of the auxiliaries "will" and "shall", if any, in the rest of the agreement, does not create any kind of obligations to the Parties, such auxiliaries shall be interpreted as declaration of intention.
- 11.7 The effective date of the Agreement will be the date of execution indicated below.
- 11.8 This Agreement shall be valid from the effective date for period of **five years** subject to a joint yearly review.
- 11.9 Neither of the Parties shall use the name, image, trademark, logo, icon, or other symbol of the other Party without prior written approval of the other Party in any public announcement, news release or advertising relating to this Agreement.



**STRATEGIC COLLABORATION AGREEMENT**  
For University -Industry Collaboration

**NXP and REVA have caused this Agreement to be executed as on \_\_\_\_\_ by their duly authorized representatives**

Mr. Sunil Shekhar Gupta  
Global Sourcing Director  
NXP India Private Limited

Dr. Rajashekhar C. Biradar  
Director, School of  
ECE  
REVA University,  
Bangalore

Dr. Dhanamjaya M  
Registrar  
REVA University,  
Bangalore

Dr. K Mallikharjuna Babu  
Vice Chancellor,  
REVA University,  
Bangalore

Signed by: Sunil Shekhar Gupta  
Reason: NXP University  
Agreement  
Location: GHAZIABAD  
Date: 07-Aug-2020 (05:50 PM)

*eSign*

(Signature & Seal)

(Signature & Seal) *22/07/2020*

(Signature & Seal) *22/07/2020*

(Signature & Seal)

**Director**  
**School of Electronics &**  
**Communication Engineering**  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru - 560 064

**Registrar**  
**REVA University**  
Bengaluru - 560 064

**Vice-Chancellor**  
**REVA university**  
Bangalore - 560 064

**Dr. Prashant V. Joshi,**  
Principal Investigator,  
Centre of Excellence in  
"Microelectronics and IoT Systems"  
School of ECE,  
REVA University

**Dr. Sudharshan K. M.**  
Principal Investigator,  
Centre of Excellence in  
"Microelectronics and IoT Systems"  
School of ECE,  
REVA University

*Prashant V. Joshi*  
*22/07/2020*  
(Signature & Seal)

*Sudharshan K. M.*  
*22-07-20*  
(Signature & Seal)

**School of Electronics &**  
**Communication Engineering**  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru-560 064

**School of Electronics &**  
**Communication Engineering**  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru-560 064



**STRATEGIC COLLABORATION AGREEMENT**  
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**APPENDIX**

Brief listing of topics of interest relating to which research projects would be defined are as follows (though not limited to):

- VLSI circuit design and analysis
- VLSI architecture, VLSI system/SoC design and Embedded systems
- VLSI testing
- VLSI CAD
- RF VLSI circuit design and analysis
- VLSI Device modeling, characterization and physics
- Internet of Things (IoT) applications
- Signal Processing and Machine Learning



## Indian Tech-Keys *Born To Innovate*

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### MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("the MoU") made and entered into on this 15<sup>th</sup> Day of January 2020("effective date") by and between:

Indian Tech-Keys, is leading provider of Embedded System development and Industrial IT training programs, specialized in area PCB Design, ARM, MATLAB, LABVIEW, IoT, Android App Development and Pool of programming languages. Indian Tech Keys has its Office at #1-Shree Sharada Building, Krshina Murty nagar, New Baiyyappanalli extension, Old Madras Road Bengaluru, Karnataka-560038, and represented herein by its Director, Mr. Kotresh Mundrugi, the company referred to as "Indain Tech-Keys "

And

School of ECE, REVA University, Bangalore Established under Government of Karnataka Act 13 of the year 2012 and having its registered office at Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bangalore – 560064. Herein referred to as School of ECE, REVA University which expression shall unless it be repugnant to the subject or context thereof, includes its successors and permitted assigns acting through Registrar REVA University.

Purpose:

These Skill Development Courses desires to promote Employment Enhancement Training through interaction focusing on:

1. To Provide the highest quality skill and application based training to undergraduate students of REVA University to equip them with the knowledge and tools to bring professional excellence
2. Since Embedded Systems ,C, Data structures , C++ ,Python, Machine Learning , IoT, Application Development , MATLAB, ARM.Data science , VLSI-FPGA at the most needed professional and multidisciplinary skills, in demand in the IT Industry .This gives an edge and new dimension to learning curve for the student as he/she joins the industry for work.
3. Focus on programming and applications that vastly increases the chances of the student being hired by best companies at the beginning of placement season. Hence this MoU is designed.

1.0.Objectives:

The following objectives are therefore been formulated:



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- 1) Train the students of School of ECE, REVA University for B. Tech. - Electronics and Communication Engineering in the field of Data Science using Embedded Systems, ARM, IoT, MATLAB, VLSI-FPGA Machine Learning and a pool of programming languages at School of Electronics and Communication Engineering, REVA University, Kattigenahalli campus, Bangalore.
- 2) The focus for imparting the training will be C, DS, C++, Python, Machine Learning, IoT, Embedded Systems, ARM, MATLAB, VLSI-FPGA, DSP.
- 3) Training will be 100 % hands on for all students by the industry professionals.

### 2.0. A) Obligations of REVA University:

- School of ECE, REVA University will provide one lab assistant and computers running Windows operating system as needed at their cost for training, overhead projectors for smooth conduction of training process.
- Ensuring healthy attendance of students is sole responsibility of School of ECE, REVA University.
- Assessment of each student undergoing training will be the responsibility of service provider.
- The trainers from Indian Tech-Keys will not be considered as employees of REVA University.

### 2.0.B) Obligations of Indian Tech-Keys:

- It will be the responsibility of the service provider to send the trainer to the training location on the agreed training days at least 15 minutes prior to the mentioned training schedule.
- Indian Tech-Keys will be responsible to issue class handouts, modules and other study materials to the students before the commencement of training and School of ECE, REVA University is free to use the provided training materials to the students in any manner deemed fit.
- The trainer from the Indian Tech-Keys will bore the transport charges, dearness allowance and other expenses to reach the REVA University during the mentioned training days.
- Indian Tech-Keys will issue the certificates of completion and performance grades to the students who undertake the training in consultation with School of ECE, REVA University as per its certification standards.

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Bengaluru - 560 064



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### 3.0.Commercials:

As discussed, the rates for each of the items list is as follows:

Name of The Course	No.of Day	Price per student Incl GST
Advanced C & C++ programming	4 Days	INR 1000
PCB Design and Fabrication	4 Days	INR 1000
Power of Embedded System	4 Days	INR 1000
IoT System Design using Raspberry Pi and Python.	4 Days	INR 1000
Android App Development for Smart System Control.	4 Days	INR 1000
Application Oriented Robotics System Design.	4 Days	INR 1000
3D Printer Control System Design and Rapid Prototyping using 3D Printer.	4 Days	INR 1000
Quad Copter Design for Aeromodelling Applications	4 Days	INR 1000
Angular Development	4 Days	INR 1000
React JS Development	4 Days	INR 1000
Node JS Development	4 Days	INR 1000
WEB Design	4 Days	INR 1000
AWS and Firebase Cloud Storage System Design	4 Days	INR 1000
ARM Cortex M3	4 Days	INR 1000

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Simulation Using MATLAB	4 Days	INR 1000
System design using Lab View	4 Days	INR 1000

3.1. The Payment of the billable amount is to be credited within three weeks after the end of training.

3.2. By signing this MoU, School of ECE, REVA University hereby authorizes Indian Tech-Keys to undertake the training of the above-mentioned divisions at the rates mentioned above.

#### 4.0. Important Note:

- 1) The payment to the Indian Tech-Keys will be based on the number of students attended in the course and minimum 75% of the course completion from the students.
- 2) Ensuring the healthy attendance of students is sole responsibility of School of ECE, REVA University.
- 3) Transportation and dearness allowance will not be provided to the service provider.
- 4) Study materials should be provided to the students of respective courses for references.

#### 5.0. Publications:

- 5.1. School of ECE, REVA University is free to publish technical articles in as a by-product of training. However, Indian Tech-Keys may indicate any confidential information not to be disclosed, approve and request any due credit of the article before publishing.
- 5.2. Prior permission and mutual consent will be obtained for public announcements of any kind pertaining to MoU.

#### 6.0. Co-ordination

Both School of ECE, REVA University and Indian Tech-Keys will designate representatives who would be empowered to interact and act as point of contacts for respective organizations.

#### 7.0. MoU duration:

- 7.1. The MoU starts from January 2020 to January 2021 and will be reviewed and revalidated mutually. All liabilities if any are assumed terminated as on this date.

**Registrar**  
**REVA University**  
Bengaluru - 560 064



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academic faculty members. Indian Tech-Keys encourages practice of taking feedback of the students, to constantly optimize the training.

7.4. The feedback will be taken at the end of the training which will help the academic faculty members and the co-ordinators to analyze the effectiveness of the course and training.

7.5. Both School of ECE, REVA University and Indian Tech-Keys shall take all the reasonable and necessary steps to ensure the successful completion of training and collaboration and co-operate with each other in duly carrying out the obligations agreed upon.

#### 8.0. Indemnification:

Each party shall keep the other party indemnified and hold harmless the other party, its officers, directors and employees promptly upon demand at any time and from time to time, from any and all losses, liabilities and claims, demands, fines, penalties, costs and expenses (including legal costs and expenses) incurred or suffered by an affected party.

#### 9.0. Additional equipment or attachment:

This is no obligatory but for consideration. On an assignment in case the marginal augmentation or attachment is needed at the academic institution in its laboratory, industry may consider supporting the acquisition. Academic institution reciprocates in carrying out work on such machines on exclusive and top priority. Any budgetary activity in this regard shall be in total compliance to the policies at industry and institution respectfully and respectively.

Signed on January (15<sup>th</sup> January 2020) and this MOU is valid upto 15<sup>th</sup> January 2021 and binding on both parties for the clauses mentioned. The MoU may be renewed for subsequent continuance with modifications as required or otherwise on mutual consent.

#### 10.0. Restrictions:

This MoU is largely focused with activities related to School of ECE, REVA University, and Bangalore. However not restricted to other peripheral supporting disciplines when required.

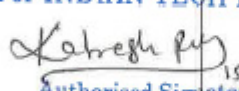



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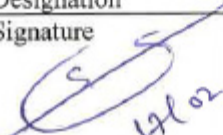
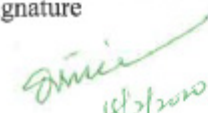


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For and on behalf of Indian Tech-Keys		For and on behalf of School of ECE, REVA University	
Name	Mr.Kotresh M	Name	Dr. R. C. Biradar
Designation	Director	Designation	Director
Signature	 For INDIAN TECH KEYS Authorised Signatory	Signature	 Director
Date	15/01/20	Date	

Director  
School of Electronics &  
Communication Engineering  
REVA University, Bukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru-560 038

For and on behalf of REVA University		For and on behalf of REVA University	
Name	Dr.S.Y. Kulkarni	Name	Dr. M.Dhanamjaya
Designation	Vice chancellor	Designation	Registrar
Signature		Signature	
Date		Date	

For and on behalf of UIIC,REVA University		For and on behalf of REVA University	
Name	Dr.Kiran Kumari Patil	Name	Sri. Vasu
Designation	Director University Industry Interaction Cell (UIIC)	Designation	DGM Finance
Signature		Signature	
Date		Date	

*vskup*

  
Registrar  
REVA University  
Bengaluru - 560 064



### MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (“the MoU”) made and entered into on this 23<sup>rd</sup> Day of January 2020 (“effective date”) by and between:

HappyMongo Online Solution is a one-stop shop for AR, VR and AI technology for consulting and training having its works and registered office at #319-324, Off Queens Road, 3<sup>rd</sup> Floor, Amazon Services and Transportation Building, Thimmaiah Road, Bengaluru, Karnataka-560052. It is a leading provider of AR, VR and AI solutions. The company referred as “HappyMongo”

And

School of ECE, REVA University, Bangalore Established under Government of Karnataka Act 13 of the year 2012 and having its registered office at Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bangalore – 560064. Herein referred to as School of ECE, REVA University which expression shall unless it be repugnant to the subject or context thereof, includes its successors and permitted assigns acting through Registrar REVA University.

Purpose:

These Skill Development Courses desires to promote Employment Enhancement Training through interaction focusing on:

1. To provide the highest quality skill and application(tool) based training to the undergraduate students of REVA University to equip them with the knowledge and tools to bring professional excellence.
2. Since AR, VR and AI are the most needed professional and multidisciplinary skills, in demand in the IT industry, this gives an edge and new dimension to the learning curve for the student as he/she joins the industry for work.
3. Focus on Skills and Tools that vastly increases the chances of a student being hired by best companies at the beginning of a placement season. Hence, this Memorandum of Understanding is designed.

1.0.Objectives:

The following objectives are therefore been formulated:

- 1) Train the students of School of ECE, REVA University for B. Tech. - Electronics and Communication Engineering in the field of Data Science using Python, Cyber Security,

#319-324, 3<sup>rd</sup> Floor, Thimmaiah Road, off Queens Road, Bengaluru - 560 052 Karnataka

Registrar  
REVA University  
Bengaluru - 560 064



**HappyMongo**  
Strengthen your roots

Name of the Course	No. of hours	Price per Students including GST
AR, VR	32	INR 1000
AI	32	INR 1000

3.1. The Payment of the billable amount is to be credited within three weeks after the end of training.

3.2. By signing this MoU, School of ECE, REVA University hereby authorizes-Happy Mongo to undertake the training of the above-mentioned divisions at the rates mentioned above.

4.0. Important Note:

- 1) The payment to the HappyMongo will be based on the number of students attended in the course and minimum 75% of the course completion from the students.
- 2) Ensuring the healthy attendance of students is sole responsibility of School of ECE, REVA University.
- 3) Transportation and dearness allowance will not be provided to the service provider.
- 4) Study materials should be provided to the students of respective courses for references.

5.0. Publications:

5.1. School of ECE, REVA University is free to publish technical articles in as a by-product of training. However, HappyMongo may indicate any confidential information not to be disclosed, approve and request any due credit of the article before publishing.

5.2. Prior permission and mutual consent will be obtained for public announcements of any kind pertaining to MoU.

6.0. Co-ordination:

Both School of ECE, REVA University and HappyMongo will designate representatives who would be empowered to interact and act as point of contacts for respective organizations.

7.0. MoU duration:

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**REVA University**  
Bengaluru - 560 064



**HappyMongo**  
Strengthen your roots

- 7.1. The MoU starts from January 2020 to January 2021 and will be reviewed and revalidated mutually. All liabilities if any are assumed terminated as on this date.
- 7.2. The training program will include a Post Assessment Test for all the students who undertook the training.
- 7.3. HappyMongo will employ its proprietary testing metrics to analyze and track student progress throughout the course and results of which will be shared with their academic faculty members. HappyMongo encourages practice of taking feedback of the students, to constantly optimize the training.
- 7.4. The feedback will be taken at the end of the training which will help the academic faculty members and the co-ordinators to analyze the effectiveness of the course and training.
- 7.5. Both School of ECE, REVA University and HappyMongo shall take all the reasonable and necessary steps to ensure the successful completion of training and collaboration and co-operate with each other in duly carrying out the obligations agreed upon.

#### 8.0. Indemnification:

Each party shall keep the other party indemnified and hold harmless the other party, its officers, directors and employees promptly upon demand at any time and from time to time, from any and all losses, liabilities and claims, demands, fines, penalties, costs and expenses (including legal costs and expenses) incurred or suffered by an affected party.

#### 9.0. Additional equipment or attachment:

This is no obligatory but for consideration. On an assignment in case the marginal augmentation or attachment is needed at the academic institution in its laboratory, industry may consider supporting the acquisition. Academic institution reciprocates in carrying out work on such machines on exclusive and top priority. Any budgetary activity in this regard shall be in total compliance to the policies at industry and institution respectfully and respectively.

Signed on January (23<sup>rd</sup> January 2020) and this MOU is valid upto 22<sup>nd</sup> January 2021 and binding on both parties for the clauses mentioned. The MoU may be renewed for subsequent continuance with modifications as required or otherwise on mutual consent.

#### 10.0. Restrictions:

This MoU is largely focused with activities related to School of ECE, REVA University, and Bangalore. However not restricted to other peripheral supporting disciplines when required.

*BBN / MNT*


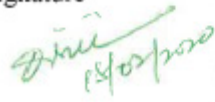
*[Signature]*



Registrar

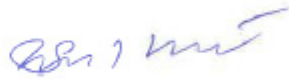
REVA University  
Bengaluru - 560 064




For and on behalf of Happy Mongo		For and on behalf of School of ECE, REVA University	
Name	Mr. Sivakarhikeyan	Name	Dr. R. C. Biradar
Designation	CEO	Designation	Director
Signature	 	Signature	 Director School of Electronics & Communication Engineering REVA University, Rukmini Knowledge Park Kattigenahalli, Yelahanka, Bengaluru - 560 064
Date		Date	

For and on behalf of REVA University		For and on behalf of REVA University	
Name	Dr.S.Y. Kulkarni	Name	Dr. M.Dhanamjaya
Designation	Vice chancellor	Designation	Registrar
Signature		Signature	
Date		Date	

For and on behalf of UIIC,REVA University		For and on behalf of REVA University	
Name	Dr.Kiran Kumari Patil	Name	Sri. Vasu
Designation	Director University Industry Interaction Cell (UIIC)	Designation	DGM Finance
Signature		Signature	
Date		Date	





#319-324, 3<sup>rd</sup> Floor, Thimmaiah Road, off Queens Road, Bengaluru - 560 052 Karnataka

  
**Registrar**  
**REVA University**  
Bengaluru - 560 064



**GOVERNMENT OF INDIA**  
**MINISTRY OF CORPORATE AFFAIRS**

Registrar of Companies, Bangalore  
E' Wing , 2nd Floor , Kendriya Sadana , Koramangala

**Certificate of Incorporation**

[Pursuant to sub-section (2) of section 7 of the Companies Act, 2013]

I hereby certify that HAPPYMONGO Online Solution Private Limited is incorporated on this Seventeenth day of February Two Thousand Sixteen under the Companies Act, 2013 and that the company is limited by shares.

The CIN of the company is U52590KA2016PTC086266.

Given under my hand at Bangalore this Seventeenth day of February Two Thousand Sixteen.

Signature of M. Jayakumar  
Digitally signed by M. Jayakumar  
DN: cn=M. Jayakumar, o=Registrar of Companies,  
ou=Karnataka, email=M. Jayakumar@roc.karnataka.gov.in

**M JAYAKUMAR**  
Registrar of Companies  
Karnataka

Mailing Address as per record available in Registrar of Companies office:

HAPPYMONGO Online Solution Private Limited  
102,INDWIN Pavilion,, Annasandrapalaya,,  
Bangalore - 560017,  
Karnataka, INDIA



**Registrar**  
**REVA University**  
Bengaluru - 560 064



**MEMORANDUM OF UNDERSTANDING (MOU)  
BETWEEN  
LIVERPOOL JOHN MOORES UNIVERSITY  
AND  
REVA UNIVERSITY  
Dated 18<sup>TH</sup> DECEMBER, 2019**

Liverpool John Moores University, a Higher Education Corporation established under the Education Reform Act 1986 whose principal address is Egerton Court, 2 Rodney Street, Liverpool, L1 2UZ ('LJMU'); and

REVA UNIVERSITY is a STATE PRIVATE University in South India recognized under REVA UNIVERSITY ACT 2012, that provides multi-disciplinary education in pre-university, undergraduate, postgraduate, doctoral degree and continuous learning program;

Each a 'Party' and together the 'Parties'

LJMU and REVA UNIVERSITY wish to explore [a formal collaborative agreement] based on a foundation of trust for the mutual benefit and development of the two organisations.

1. LJMU and REVA UNIVERSITY will explore potential for jointly developing some or all of the following activities based on their respective academic and educational needs:
  - a. exchange of research materials, publications and information; of joint publications between LJMU and REVA University
  - b. development and operation of joint academic programmes;
  - c. appointment of joint teaching practitioners;
  - d. organisation of joint research programmes;
  - e. provision of undergraduate projects;
  - f. exchange of students;
  - g. exchange of academic staff;
  - h. the development of common curricula in areas of mutual interest.



2. Specifically, LJMU and REVA UNIVERSITY will work towards the development of programmes relating to the School of Applied Sciences, Law, Arts and Humanities, and Engineering.
3. The implementation of exchange based on this MOU shall be separately negotiated and determined by both Parties in a formal legal agreement.

[Either:

4. The Parties entered into a separate Confidentiality Agreement on 18<sup>TH</sup> DECEMBER, 2019, which shall continue to apply for the purposes of this MOU.

Or:

- 4.1 Each Party shall preserve the confidentiality of any information (whether in written, oral or electronic form) disclosed to it by the other Party where the other Party has identified such information as being confidential, or where it would be reasonable to expect that confidentiality should attach to such information.
- 4.2 Each Party shall respect and make no claim with regard to the names, brand, trademark, copyrighted material or any other intellectual property rights of the other Party during the period of the Collaboration.]

- 5 Nothing shall diminish the full autonomy of either Party, nor will any constraints or financial obligations be imposed by either Party upon the other Party in carrying out this MOU.

- 6 This MOU is subject to revision or renewal by mutual agreement between the Parties in writing. It is also understood that either Party may terminate this MOU at any time, although such action will only be taken after mutual consultation in order to avoid any possible inconvenience to either Party.

- 7 This MOU will be in force for [three years] in the first instance. Thereafter, renewal of this MOU will be subject to the agreement of both Parties in writing.

- 8 This MOU is a statement of the current intention of the Parties. There is no intention to create legal relations by means of this MOU. Clause 4 only of this MOU is intended to be legally binding with effect from the date of this MOU. All other clauses of this MOU are therefore not legally binding and neither Party has any rights or obligations or may bring proceedings in respect thereof.



9 This MOU is effective when the duly authorised representatives of both Parties have signed and dated this MOU.

SIGNATURES to the Memorandum of Understanding:

Duly authorised to sign for and on behalf of  
LIVERPOOL JOHN MOORES UNIVERSITY  
Egerton Court, 2 Rodney Street  
Liverpool, L3 5UX

Duly authorised to sign for and on behalf of  
REVA UNIVERSITY  
RUKMINI KNOWLEDGE PARK,  
KATTIGENAHALLI, YELAHANKA,  
BENGALURU - 560 064

NAME: PROFESSOR IAN G. CAMPBELL  
POSITION: VICE-CHANCELLOR  
Date: 7<sup>TH</sup> February 2020

NAME: Dr. S Y Kulkarni  
POSITION: Vice-Chancellor  
Date: 18<sup>TH</sup> December 2019  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru-560 064

In the presence of

Name: DR. IAN D. BENNETT  
Position: INTERNATIONAL  
PARTNERSHIPS  
MANAGER.

In the presence of

Name: Dr. M Dhanamjaya  
Position: Registrar

Registrar  
REVA University  
Bengaluru - 560 064.

**Registrar**  
**REVA University**  
**Bengaluru - 560 064**



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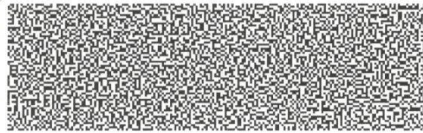
**Government of Karnataka**

Rs. 100

**e-Stamp**

<b>Certificate No.</b>	: IN-KA14838497635083R
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<b>Purchased by</b>	: JUBILANT BIOSYS LTD
<b>Description of Document</b>	: Article 37 Note or Memorandum
<b>Description</b>	: MEMORANDUM OF UNDERSTANDING
<b>Consideration Price (Rs.)</b>	: 0 (Zero)
<b>First Party</b>	: JUBILANT BIOSYS LTD
<b>Second Party</b>	: REVA UNIVERSITY
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<b>Stamp Duty Amount(Rs.)</b>	: 100 (One Hundred only)

For SRI MAMUNATHESWARA CREDIT CO-OP. SOCIETY LTD  
*[Signature]*  
Authorised Signatory



Please write or type below this line

**NON-BINDING MEMORANDUM OF UNDERSTANDING**

This non-binding Memorandum Of Understanding ("MOU") is made and entered into by and between **Jubilant Biosys Limited** and **Reva University**



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.

*[Signature]*

**Registrar**  
**REVA University**  
Bengaluru - 560 064



MEMORANDUM OF UNDERSTANDING

BY AND BETWEEN

REVA UNIVERSITY, BENGALURU, KARNATAKA

AND

JUBILANT BIOSYS LIMITED, YESHWANTPUR,

BENGALURU, KARNATAKA, INDIA





**NON BINDING MEMORANDUM OF UNDERSTANDING**

**BETWEEN**

**Jubilant Biosys Ltd (Jubilant)** ., a Company incorporated under the Companies Act, 1956 and having its place of business at No. # 96, Industrial Suburb, 2<sup>nd</sup> Stage, Yeshwanthpura, Bangalore - 560022 .

**AND**

**REVA University, Bengaluru (REVA)**, created by an Act of State of Karnataka, India, and came into existence on 7<sup>th</sup> February 2013. The University is sponsored by Rukmini Charitable Trust, Bengaluru. The University offers Degree, Post-graduation degree, PG Diploma, and Ph. D Programmes in all the disciplines.

In accordance with the mutual desire to promote co-operation between **Jubilant Biosys Ltd** and REVA University, both the Industry and the University enter in to the formal statement of collaboration in the form of Non-Binding Memorandum of Understanding (MOU) for the purpose of research activities.

**1) SCOPE AND AREAS OF COOPERATION:**

**1.1** This MoU sets forth the intentions of the Parties for increased collaboration, cooperation and interaction between themselves and does not create any legally binding commitments. Whenever the Parties agree to undertake specific joint Projects with legally binding operations, they will develop separate written agreement for such Projects setting out each Party's roles, responsibilities, funding, contribution, deliverables and budgets.

**1.2** The Parties intend to co-operate in the following areas based on the mutual written consent:

- Dissemination of Academic information
- Conducting joint workshop/seminar on topics of mutual interest
- Collaborative research work and projects
- Research Review, Consultancy, Mentoring and Guidance
- Student internships
- Joint research publications



## 2) SHARING OF THE FACILITIES

Both the parties will have access to the existing facilities like laboratory space and infrastructure facilities available at both the institutes for the collaborative research interests. However, for usage of the laboratory space and instruments, prior request will be made from respective institute indicating the type of work and the duration of the work.

## 3) Project intern training program

3.1 Scientists from Jubilant Biosys will give training for M.Sc (Chemistry)

final semester students

3.2 Every week one full day will be dedicated for the training

3.3 Selection criteria for the students:

- A written exam will be conducted and students will be selected on the basis of merit
- Selected students should be willing to join jubilant as Intern after completion of the training
- In the event of any vacancy in Jubilant, the intern, based on performance would be offered employment (this is at the discretion of Jubilant Biosys Limited).

3.4 Training program

- The program will emphasize more on synthesis of compounds, & theory will be taught if needed.
- Jubilant scientists will design synthesis scheme and guide the students for the synthesis
- Once in a month, students will get a chance to visit Jubilant and learn to work in a industrial set up.
- Compound purification can be done at the institute/ can be bought to jubilant for the purification depending upon the complexity
- Required reagents will be provided by Jubilant
- Analysis of the compounds will be done at Jubilant
- A certificate will be issued to the students after successful completion of the training program & satisfactory completion of practical test.

3.5 Use of the compounds

- Synthesized intermediate/ final compounds will be the property of Jubilant





### 3.6 Expectations from Institute

- Minimum two hoods (exhaust connected), two stirrers, minimum glassware's and one Rotary evaporator
- Selected students need to sign the Bond for joining employment at Jubilant in the event an offer is made (need to work in Jubilant for 2 yrs)

### 3.7 Benefits to Institute

- Job opportunity to students (who can clear the written test)
- Students get good Industrial exposure
- Knowledge sharing platform (Giving few seminars from Jubilant Scientists)

## 4) PUBLICATIONS AND PATENTS

- The terms with respect to title to and exploitation of intellectual property (including) traders and service marks, copyrights, patents designs and confidential information on the subject for such intellectual property, patents design and confidential information on the subject of such intellectual property, inventions and innovations will be negotiated on project-by-project basis in the specific research project agreements and broadly governed by the IPR policy of both the institutes.
- Information of the research results and scientific material (reports, articles, books) will be exchanged freely keeping in mind the mutually agreed provisions of untactful property solely conceived.
- For the purpose of this agreement the term intellectual property shall mean any and all works and property including but not limited to all intellectual properties ideas, inventions concepts products improvement innovations, discoveries & development methods formulas, techniques', software know how and writings made conceived reduced to practice.
- Due credit on authorship to be given to both the personnel at Jubilant Biosys Ltd and REVA University in publications arising from joint research projects.
- There will, be a Coordinating Committee consisting of the Heads of the School and Senior Faculty members of REVA University and Jubilant Biosys Limited and if necessary, two





additional member from each institute who will be responsible for the effective implementation of the MOU.

- If any charges expenses are to be paid by either institute for the facilities provided by the other institute, the same will be decided by the Coordinating Committee and accordingly by service agreement which may be modified from time to time as per the need.

**5) DISCLOSURE**

Jubilant Biosys Limited and Faculty of REVA University on their respective website and business communication make a mention of this **RESEARCH PARTNERSHIP AND COLLABORATION**, and any refereed communication will be sent for review and approval by the Co-Ordination Committee.

**Jubilant Biosys Limited** and REVA University can display its Sign Board with its logo mentioning the name of concerned School (School of Applied Sciences) as a collaborator at the entrance/suitable place.

**6) SECRECY**

It is hereby agreed that Jubilant Biosys Limited and REVA University shall keep information and the data collected a complete secret.

**7) DURATION**

The MOU is valid for a period of 12 months from the date of signing unless it is terminated as for the clause provided here under. The MOU may be extended further based on the mutual written consent of the parties.

**8) TERMS OF UNDERSTANDING AND TERMINATION**

- This MOU will remain in force from the date of signature by both parties and shall continue for the period of 1 year unless either of the Parties expresses, in writing, to the other, a desire to terminate. Such termination shall have no effect on any outstanding obligations contractually agreed upon between the parties in an Activity Agreement.
- The MOU may be terminated by either Party by giving one-month notice, in writing, to the other Party.
- Any Amendment to the MOU will require the written approval of both Parties.
- Two signed originals of this MOU will be produced with one to reside with each Party.






- In the event that discrepancies arise between this document and any translation of it to a language other than English, this English version shall prevail.

In witness whereof, the parties here to caused this Memorandum of Understanding to be executed as of the day, month and the year indicated below:

For

Jubilant Biosys Limited,  
Bengaluru

1.   
(Benny Thomas)

Head - Finance

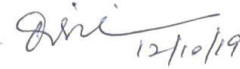
2.   
12/10/19



For

REVA University, Bengaluru

1.   
12/10/19  
Dr. S. Y. Kutakarni, Vice-Chancellor

2.   
12/10/19  
Dr. Dhanmjaya M, Registrar

Witnessed By

1.   
Dr Takeshi Yura

Vice President

MEDICINAL CHEMISTRY

2.   
Dr. Madhusudana Reddy M B,

Coordinator, Chemistry Branch,

School of Applied Sciences



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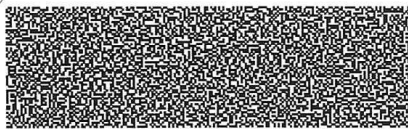
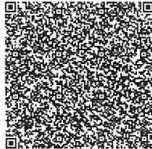
**Government of Karnataka**

18.2.20

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<b>Purchased by</b>	: JIGSAW ACADEMY EDUCATION PVT LTD
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<b>Description</b>	: AGREEMENT
<b>Consideration Price (Rs.)</b>	: 0 (Zero)
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<b>Second Party</b>	: REVA ACADEMY FOR CORPORATE EXCELLENCE
<b>Stamp Duty Paid By</b>	: JIGSAW ACADEMY EDUCATION PVT LTD
<b>Stamp Duty Amount(Rs.)</b>	: 200 (Two Hundred only)

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**Statutory Alert:**

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3. In case of any discrepancy please inform the Competent Authority.

*Handwritten signature*

**Registrar**  
**REVA University**  
**Bengaluru - 560 064**



## MASTER SERVICES AGREEMENT

This Master Services Agreement ("Agreement") is made and entered on 3rd of February, 2020 ("Effective Date"), by and between

**JIGSAW ACADEMY EDUCATION PRIVATE LIMITED** a private limited company incorporated under the Companies Act, 1956, subsisting under the Companies Act, 2013, bearing CIN: U80301KA2011PTC056734 and having its registered address office at No.308, 100Ft Main Road Indiranagar 1st Stage, Bangalore Karnataka 560038 (hereinafter referred a "JIGSAW"), and

**REVA Academy for Corporate Excellence (RACE), an academy under REVA University** (Established as per the section 2(f) of the UGC Act, 1956) having a registered address as Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bangalore – 560064 Karnataka, India (hereinafter unless the context otherwise requires be referred to as "REVA").

JIGSAW and REVA shall individually be referred to as a "Party" and collectively as the "Parties."

Based on the discussions, **JIGSAW** has agreed to be the "knowledge partner" by providing their online Course in **HR Analytics** for working professionals (hereinafter referred to as "Course"). The objective is to develop highly skilled professionals in this emerging area. **JIGSAW** will provide access to their online Course on HR Analytics based on this agreement to the students of REVA University who are pursuing their Diploma in HR Analytics.

### 1. Term:

This Agreement shall commence on the Effective Date and shall continue unless terminated as provided herein ("Term"). The Course will commence from the date login ID's have been issued to the Participants and valid for a period of 6 months as may be agreed between both the parties in writing.

This Agreement may be terminated by either Party by providing 30 days written notice to the other Party.

### 2. Primary Responsibilities of JIGSAW for Course content:

JIGSAW agrees and its responsibilities includes the following:

- 2.1 Providing each Participant ("Participant" means any student of REVA who has registered to the Jigsaw Course, for whom Jigsaw has received the Course fee) access to pre-recorded video lectures on Course on HR Analytics as part of JIGSAW's proprietary LMS, the JIGSAW Learning Center ("LMS Platform"). These videos will be available for six months from the date of issue of login ID for each Participant. Each Participant will be given unique user ID and password which is non-transferable.
- 2.2 The LMS Platform will be co-branded with REVA for the delivery of the Course to the Participants.
- 2.3 Preparing and providing case studies on the Course to the Participants. JIGSAW shall provide such number and types of case studies as it reasonably determines to be fit, given the overall objective of the Course.
- 2.4 Detailed Course structure and syllabus will be shared by JIGSAW with REVA.
- 2.5 The resource person from JIGSAW shall share sample data sets and Course materials to enhance experiential learning, as mutually agreed between the Parties.
- 2.6 The trainers shall complete all the formalities of assessing the Participants performances based on the regulations set by RACE, REVA University and UGC for the successful award of the certification / Diploma.
- 2.7 Access to JIGSAW LMS will be provided for all the Participants as part of continuous learning, for a period of six months from the commencement of the Course.

### 3. Payment Terms

The following is a summary overview of the financial arrangements between the Parties for the Course.

Courses	Fee
HR Analytics	Rs.12,000/- per Participant plus applicable taxes

3.1 To access JIGSAW online Courseware REVA will pay JIGSAW as per the details outlined.

  
Registrar  
REVA University  
Bengaluru - 560 064

- 3.3 REVA will make payment to JIGSAW within 30 days from the receipt of invoice. Payments not paid within 30 days from the receipt of invoice will accrue late payment fee of 1.5% of the total invoice amount per month.
- 3.4 Participants will get access to the LMS Platform once payment is received by JIGSAW.
- 3.5 The Parties agree and understand that any fees payable to JIGSAW in accordance with this Agreement are exclusive of any Goods and Service tax, duties, or levy that may be applicable on the Course fees. Should there be a requirement for REVA to withhold any sum towards Goods and Service tax, duty, or levy shall submit a certificate to JIGSAW evidencing the amount withheld and its payment to the relevant tax / governmental authority.
- 3.6 JIGSAW will raise an invoice for the services rendered under this Agreement with the following details:
- Invoice number & date
  - Income tax Permanent Account Number (PAN) in India
  - Goods and Service tax registration number
  - Company complete name and address
  - Client name for whom services was rendered
  - Date of issue of login ID's as part of the delivery of services
  - Brief description of services
  - Bank remittance/wire transfer details

#### 4. Other support:

REVA University will use the logo of JIGSAW and trainers profiles in their website and collaterals (offline and online) for promoting the Course. JIGSAW also would support RACE to create endorsements from the resource persons. JIGSAW will advise on improving the delivery of the Course from time to time and also support REVA in their placement opportunities for the Participants.

**5. Dispute Resolution:** Any claim or dispute arising out of or relating to this Agreement (including its formation, interpretation, performance and breach) shall be settled amicably between the Parties. In the event of there being any claim or dispute between the Parties hereto remain un-resolved/settled, such claim or dispute shall be referred to arbitration comprising of a sole arbitrator to be appointed by mutual consent of both the Parties. The arbitrator so appointed by the Parties shall conduct the arbitration proceedings in Bangalore in accordance with the provisions of the Arbitration and Conciliation Act, 1996 or any statutory re-enactment or modification thereof for the time being in force. The award given by the Arbitrator shall be final and binding between the Parties hereto. All claims and disputes arising out of or relating to this Agreement are subject to Jurisdiction of Bangalore Courts only.

**6. Force Majeure:** JIGSAW shall not be liable or responsible for any delay or failure to provide the Services as a result of any event beyond its reasonable control, including, without limitation, adverse weather conditions, internet outage or interruption of service, telecommunications or power outage, fire, flood, civil disobedience, labor disruptions, strikes, lockouts, freight embargoes, terrorism, natural disaster, war or acts of God and shall notify Subscriber of the occurrence of such cause, and the time allowed for performance by JIGSAW will be extended for the duration of such cause.

**7. Confidentiality:** Each party acknowledges that in the Course of performing this Agreement, a party may learn confidential, trade secret, or proprietary information concerning the other party or third parties to whom the other party has obligations of confidentiality. REVA shall ensure that the Participants shall not misuse, or transfer the login ID's license, reproduce, distribute, copy, transmit the Course material for any commercial purpose, production purpose, other than as specifically permitted under this Agreement.

**8. Representation and Warranty:** The Parties covenants, represents and warrants that:

(a) it has the legal right to provide the Services (b) it is in compliance with all applicable laws, regulations, codes and standards of government agencies or authorities

#### 9. Miscellaneous:

- i. The validity or unenforceability of any provision of this Agreement shall not affect the validity or enforceability of any other provision of this Agreement.
- ii. No modification of this Agreement shall be effective unless it is in writing and signed by an authorized representative of the Parties herein.
- iii. This Agreement shall be governed by and construed and enforced in accordance with the laws of India.
- iv. Neither Party shall assign any of the rights or obligations under this Agreement without the prior written consent of the other Party. These Agreements are binding on and inure to the benefit of the Parties and their respective successors and permitted assigns.

- v. No failure or delay by a Party exercising any right, power or privilege under this Agreement will operate as a waiver thereof.
- vi. No agency, partnership, joint venture, employee-employer, or franchiser-franchisee relationship is intended or created by this Agreement.
- vii. Headings are for reference purposes only and do not limit the scope or extent of such section.
- viii. All notices required or permitted to be given under these Agreement will be in writing and delivered to the Parties at the addresses identified herein.
- ix. This Agreement may be executed in two or more counterparts, each of which shall constitute an original and all of which shall be deemed a single agreement.
- x. This Agreement comprises the entire agreement between the Parties and supersedes all prior or contemporaneous agreements, written or oral, between the parties regarding the subject matter contained herein.

For REVA University,



Dr. M. Dhanamjaya,  
Registrar, REVA University

For JIGSAW ACADEMY EDUCATION PRIVATE LIMITED



Gaurav Vohra  
Director



Registrar  
REVA University  
Bengaluru - 560 064



#### MEMORANDUM OF UNDERSTANDING

The first party is and shall be represented by **Smt. Krithika Pradeep, Buxlabs and Smt. Savitha B, Buxlabs** having its registered office #101, Julta Surya Apartments, Upper Pipeline Road, Seshadripuram, Bangalore - 560 020 and the second party by authorized representatives of REVA University, Bengaluru, Karnataka.

Whereas both parties in this memorandum of understanding have jointly consented to initiate incubation program addressing research projects, identifying and applying for funding agencies, establishment of start-up at REVA – NEST, Technology Business Incubator from 02<sup>nd</sup> March 2019 whereas M/S BUXLABS on its part proposes to address the broad area of its interest, under this memorandum, and agrees to do the following:

##### 1. Company Programs

- Buxlabs will establish its operations at REVA Incubation Center with an objective to develop Location based analytics solutions.
- Buxlabs will involve students of REVA University in Research and Development of the Android and iOS platform to manage location based data.
- Buxlabs at its own discretion will seek to engage students and faculties of REVA University in mutually beneficial ways, such engagements include conducting training programs, workshops, offering internship opportunities, sponsoring student projects and carrying out joint developments.

##### 2. Infrastructure & other requirements from REVA University

- REVA University will provide necessary infrastructure for office affairs, Working Space, Internet and Pantry Buxlabs through its Incubation Center.
- Buxlabs will use amenities available in the REVA University such as Food Court, Board Room, Conference rooms, and training rooms if required (based on availability & nominal charges wherever applicable).
- Buxlabs can use Computer labs, Electronics Lab Equipment's, Embedded Labs, Measuring Instruments, Digital Boards, Development boards and other equipment's available with REVA University (based on availability and prior approval from concerned authorities).
- Buxlabs will get access to Campus Library and Other Knowledge Sources available in the REVA University.
- REVA University will provide consultation to Buxlabs in the required fields in order to achieve the Goal (consultation based on nominal fee).
- REVA University will Support Buxlabs in Research and Development, Marketing and Technology Survey, Brand Building and Marketing (through consultancy and internship programs).

##### REVA UNIVERSITY

Rukmini Knowledge Park, Yelahanka  
Post, Bengaluru-560064

TEL +91-80-6622 6622  
FAX +91-80 2847 8539  
[www.reva.edu.in](http://www.reva.edu.in)

##### REGD OFFICE

DivyaSree Chambers, 'A' Wing  
#11, O'Shaughnessy Road  
Bengaluru - 560025

TEL +91-80-2221 3344  
FAX +91-80 2222 8840



### 3. Sharing of profit & other terms

- Buxlabs will work as independent Entity from REVA University.
- Buxlabs will pay the rent as fixed by the REVA NEST Management.
- If in future Buxlabs receives any financial assistance from REVA University then separate agreement will be executed indicating the mode of repayment or sharing of ownership.
- Buxlabs can conduct training programs for REVA University students and the revenue generated through such training programs must be shared with REVA University in the ratio of **60:40** (60% for Buxlabs and 40% for REVA University)
- MOU is valid for period of 12 months from the date of signing the agreement. It can be further extended (if required) upon mutual consent.

### 4. Internship Program

- Buxlabs will provide internship opportunity to graduates and Post Graduate students of REVA University.
- Duration and mode of Internship, Selection of Students, Interview, Certification, Compensation and Termination of Internship rights Reserved by Buxlabs.

### 5. Recruitment Program

- Buxlabs will hire outgoing deserved students for different profiles available with them.
- Duration and mode of Job/Profile, Selection of Students, Interview, Certification, Compensation and Termination of resource rights Reserved by Buxlabs.
- Will keep rights to hire Employees from outside sources for different position on need basis; it includes both Part time and full time Employees.

### 6. Effective Date and Termination:

- This MOU shall be effective upon the signature of both the parties authorized officials. It shall be in force from 02/03/19. Both the parties indicate agreement with this MOU by their signatures. The MOU will be for a period of 1 years effective from 02/03/19 and will be extended on mutual interest. Both the parties have the right to terminate the Memorandum of Understanding by giving one month written notice to the other Party.

### 7. Other important points

- Both the parties to this understanding shall discuss and finalize the details of these and all the activities on mutual acceptance basis, from time to time.
- Both the parties consent to carry out all the obligations mutually agreed upon from time to time.

**Registrar**  
**REVA University**  
Bengaluru - 560 064





- REVA – NEST (RAY Foundation), Technology Business Incubator, REVA University Campus, Bengaluru-64
- Neither party will be liable to the other for any delay or in failure of performance of their respective obligations under this agreement caused by occurrences of force major events or other factors reasonably beyond the control of both parties. In such events, both the parties shall inform each other of the circumstances in writing.
- Any alteration, agenda or edition to the MOU can be made by mutual agreement on the same.
- Both parties consent to settle differences, if any, amicably by friendly consultations. Generally, such consultations will be between the signatories to this agreement. The decision made so will be binding on both parties.
- In case of termination of this MOU in any circumstances, both parties will ensure the existing students/faculty/staff are not affected with regard to ongoing training, projector any other activity.
- This MOU shall come into force on the date set forth on the first page here of and shall remain in force till termination of MOU and in full agreement of the foregoing conditions, both the parties sign as under and deliver copies to each other.
- The First Party agrees that he has read and understood all the terms & conditions mentioned in this MoU document as well as Annexure enclosed.

**Signatures:**

First Party

Smt. Krithika Pradeep,  
Buxlabs

Smt. Savitha B,  
Buxlabs

Second Party

Dr. S.Y Kulkarni,  
Vice Chancellor,  
REVA University, Bengaluru

Dr. M. Dhanamjaya  
Registrar,  
REVA University, Bengaluru

Dr. Kiran Kumari Patil,  
Director, UIIC,  
REVA University, Bengaluru



Registrar  
REVA University  
Bengaluru - 560 064



### **Salient Rules Forming Part of the Incubation Agreement**

REVA NEST is registered as REVA ASPIRING YOUTH Foundation (Section 8 Company) under companies Act 2013 at REVA University Campus, Yelahanka, Bengaluru. The company hereinafter called the "Resident Company/Incubatee" as per the Incubation Agreement with the Institute for Synergistic collaboration through RAY Foundation has been permitted. If there is any conflict in the rules given below, with any of the clauses of the agreement mentioned above, the rules/clauses of the said agreement will prevail.

#### **Rule-1**

##### **Tenure of Incubation**

The resident company/Incubatee will be permitted to incubate in REVA NEST for a period of Twelve Months. Further extensions can be granted at the sole discretion of REVA NEST. The resident company/Incubatee must inform the REVA NEST Management atleast one month before vacating the premises.

##### **Exit**

The resident company/Incubatee will be required to leave the incubator under the following circumstances:

- After the completion of the Incubation including extended incubation period, if any.
- Underperformance or in-ability to perform business as evaluated and decided by REVA NEST on case to case basis
- Irresolvable promoters' disputes in opinion of REVA NEST on case to case basis
- Violation of any rules and regulations of REVA NEST.
- Capital cash flow exceeds Rs 2 crores in the opinion of REVA NEST on case to case basis
- Number of employees of the incubatee exceeds 20
- When the annual gross revenues of the incubatee (excluding all the taxes) exceeds Rs. **Two crore or the Net Profit After Tax exceeds Rs. Fifty Lakhs**
- When the company enters in an acquisition, merger or amalgamation deal or reorganization deal resulting in a substantial change in the profile of the company, its promoters, directors, shareholders, products or business plan
- Incubatee plans for a public issue in the opinion of REVA NEST on case to case basis
- Change in promoters'/ founders' team in the opinion of REVA NEST on case to case basis.
- Any change of more than 50% of equity ownership unless approved by REVA NEST, in the opinion of REVA NEST on case to case basis
- Any other reason for which REVA NEST may find it necessary for an incubatee resident company to leave.

***Notwithstanding anything written elsewhere, REVA NEST decision in connection with the exit of an incubatee company shall be final and shall not be disputed by any incubatee company***

REVA – NEST (RAY Foundation), Technology Business Incubator



Annexure - Incubation Agreement

**Rule-2**

The Resident Company/Incubatee shall undertake Research & Development, Design/Testing, prototype development from REVA NEST premises but shall not carry out warehousing, storage, marketing sales or other commercial routine activity.

**Rule-3**

The REVA NEST address in REVA University campus, Bangalore **cannot** be used as the address of the Registered Office of the resident company/incubatee.

**Rule-4**

Subleasing or subletting of any kind of the space given by REVA NEST is not allowed. Non-observance of this rule will result in immediate expulsion.

**Rule-5**

If an incubatee/resident company require more space or has vacant space, a request for additional space/surrender of the space is required to be made to REVA NEST in writing.

**Rule-6**

All resident companies/Incubatees are required to observe health and safety standards. No hazardous material can be brought inside the complex without the prior approval of REVA NEST.

**Rule-7**

It is the responsibility of all the resident companies and their employees to use the common facilities e.g. common area, fax & other machines etc. with due diligence and care.

**Rule-8**

The Incubatee is also obliged to submit to REVA NEST one copy each of the Memorandum of Association, Articles of Association, and Annual Report (as and when approved by their Board of Directors).

**Rule-9**

Notwithstanding any issue/dispute pending between the Company and REVA NEST at the time of completion of the agreed tenure of incubation period, or if given an exit notice by REVA NEST the incubatee must vacate the allotted space unconditionally.

**Rule-10**

The Resident Company/Incubatees are required to keep the REVA NEST informed in advance for the following during the incubation period:

- a) Change of Name of Incubation Company to any other form of legal entity
- b) Any Major change in their incubation/business plans
- c) Change in their ownership pattern
- d) Change in their Board of Directors
- e) Disposal of assets

REVA – NEST (RAY Foundation), Technology Business Incubator



**Registrar**  
**REVA University**  
Bengaluru - 560 064



Annexure - Incubation Agreement

**Rule-11**

REVA NEST reserves the right to release information regarding the Incubatee /the Incubation / the product or service to the media to promote REVA NEST for non-commercial purposes.

**Rule-12**

All resident Companies incubated in the Centre would be required to submit their audited annual Balance Sheet to the Centre after graduating from the Centre.

**Rule-13**

The incubatee companies will pay rent (Quarterly) in advance applicable to them and the expenses related to common facilities and special services must be paid before 7<sup>th</sup> day of each month.

The applicable rent for Bux Labs to avail Incubation facilities at REVA NEST is fixed at Rs 2000/- per seat per month.

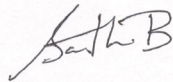
**Rule-14**

Facilities and infrastructure to the incubated companies are subject to the incubation agreement.

- Board Room/Meeting space
- Training Rooms
- Photocopying, scanning machines (Small Load)
- Pantry
- Library
- Semi furnished offices
- Internet connectivity – Subject to REVA University IT policy

**Declaration:**

I/We have clearly read and understood above terms and conditions set by REVA-NEST (Ray Foundation) and we declare that we are taking **office space** at Incubation Center and agree to pay the applicable rent of Rs 2000/- per seat per month as mentioned in Rule No 13.



Signature:

Date: 02.03.2019

REVA – NEST (RAY Foundation), Technology Business Incubator



Registrar  
REVA University  
Bengaluru - 560 064



### MEMORANDUM OF UNDERSTANDING

The first party is and shall be represented **Mr.Satyanarayana AR, CEO, Embright Infotech Pvt Ltd.** Having its registered office at Embright infotech Pvt Ltd, TC.11/500, Jyothi, Devaswom Lane, Kesavadasapuram, Pattom Post Trivandrum Thiruvananthapuram KL 695004 IN and the second party by authorized representatives of REVA University, Bengaluru, and Karnataka.

Whereas both parties in this memorandum of understanding have jointly consented to initiate incubation program addressing research projects, identifying and applying for funding agencies, establishment of start-up at REVA – NEST, Technology Business Incubator, REVA University campus from 1st March, 2019 whereas M/S Embright Infotech on its part proposes to address the broad area of its interest, under this memorandum, and agrees to do the following:

#### 1. Company Programs

- Embright Infotech will establish its operations at REVA Incubation Center with an objective to develop products and services related to Virtual reality, Augmented Reality, Mixed Reality, Internet of Things (IoT)
- The focused area of product deployment are at education institutions as supporting tools, Corporate Business for data visualization in presentations, VR Marketing with 360 degree live streaming, Real Estate project presentations, Tourism for VR walk through experience, VR Meditation, Medical purposes, industries as interactive training tools, Military for trainings with simulation tools, VR Experiences and VR LIVE streaming for concerts, events and meetings with 360 degree live streaming.

#### 2. Infrastructure & other requirements from REVA University

- REVA University will provide necessary infrastructure for office affairs, Working Space, Internet and Pantry for Embright Infotech through its Incubation Center.
- Embright Infotech will use amenities available in the REVA University such as Food Court, Board Room, Conference rooms, and training rooms if required (based on availability & nominal charges wherever applicable).
- Embright Infotech can use Computer labs, Electronics Lab Equipment's, Embedded Labs, Measuring Instruments and other equipment's available with REVA University (based on availability and prior approval from concerned authorities).
- Embright Infotech will get access to Campus Library and other Knowledge Sources available in the REVA University.
- REVA University will provide consultation to Embright Infotech in the required fields in order to achieve the Goal (consultation based on nominal fee).
- REVA University will Support Embright Infotech in Research and Development, Marketing and Technology Survey, Brand Building and Marketing (through consultancy and internship programs).

REVA UNIVERSITY  
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DivyaSree Chambers, 'A' Wing  
#11, O'Shaughnessy Road  
Bengaluru - 560025

TEL +91-80-2221 3344  
FAX +91-80 2222 8840



### 3. Sharing of profit & other terms

- Embright Infotech will work as independent Entity from REVA University.
- Embright Infotech will pay the rent as fixed by the REVA NEST Management.
- If in future Embright Infotech receives any financial assistance from REVA University then separate agreement will be executed indicating the mode of repayment or sharing of ownership.
- Embright Infotech can conduct training programs for REVA University students and the revenue generated through such training programs must be shared with REVA University in the ratio of **60:40** (60% for Embright Infotech and 40% for REVA University)
- MOU is valid for period of 12 months from the date of signing the agreement. It can be further extended (if required) upon mutual consent.

### 4. Internship Program

- Embright Infotech will provide internship opportunity to graduates and Post Graduate students of REVA University.
- Duration and mode of Internship, Selection of Students, Interview, Certification, Compensation and Termination of Internship rights Reserved by Embright Infotech.

### 5. Recruitment Program

- Embright Infotech will hire outgoing deserved students for different profiles available with them.
- Duration and mode of Job/Profile, Selection of Students, Interview, Certification, Compensation and Termination of resource rights Reserved by Embright Infotech.
- Will keep rights to hire Employees from outside sources for different position on need basis; it includes both Part time and full time Employees.

### 6. Effective Date and Termination:

- This MOU shall be effective upon the signature of both the parties authorized officials. It shall be in force from 02/02/19 Both the parties indicate agreement with this MOU by their signatures. The MOU will be for a period of 1 years effective from 02/02/19 and will be extended on mutual interest. Both the parties have the right to terminate the Memorandum of Understanding by giving one month written notice to the other Party.

### 7. Other important points

- Both the parties to this understanding shall discuss and finalize the details of these and all the activities on mutual acceptance basis, from time to time.
- Both the parties consent to carry out all the obligations mutually agreed upon from time to time.

REVA – NEST (RAY Foundation), Technology Business Incubator, REVA University Campus, Bengaluru-64


**Registrar**  
**REVA University**  
Bengaluru - 560 064

Neither party will be liable to the other for any delay or in failure of performance of their respective obligations under this agreement caused by occurrences of force major events or other factors reasonably beyond the control of both parties. In such events, both the parties shall inform each other of the circumstances in writing.

- Any alteration, agenda or edition to the MOU can be made by mutual agreement on the same.
- Both parties consent to settle differences, if any, amicably by friendly consultations. Generally, such consultations will be between the signatories to this agreement. The decision made so will be binding on both parties.
- In case of termination of this MOU in any circumstances, both parties will ensure the existing students/faculty/staff are not affected with regard to ongoing training, projector any other activity.
- This MOU shall come into force on the date set forth on the first page here of and shall remain in force till termination of MOU and in full agreement of the foregoing conditions, both the parties sign as under and deliver copies to each other.
- The First Party agrees that he has read and understood all the terms & conditions mentioned in this MoU document as well as Annexure enclosed.

**Signatures:**

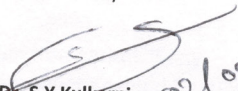
First Party

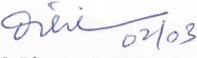
  
Mr. Satyanarayana AR  
CEO, Embright Infotech

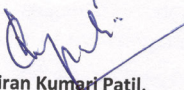


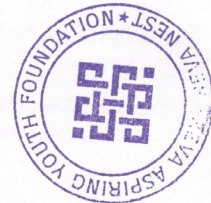
Mr. Bobin Chandra Balachandran  
CEO, Embright Infotech

Second Party

  
Dr. S.Y Kulkarni, 02/03  
Vice-chancellor,  
REVA University, Bengaluru

  
Dr. M. Dhanamjaya  
Registrar,  
REVA University, Bengaluru

  
Dr. Kiran Kumari Patil,  
Director, UIIC,  
REVA University, Bengaluru



REVA – NEST (RAY Foundation), Technology Business Incubator, REVA University Campus, Bengaluru-64

  
Registrar  
REVA University  
Bengaluru - 560 064



### **Salient Rules Forming Part of the Incubation Agreement**

REVA NEST is registered as REVA ASPIRING YOUTH Foundation (Section 8 Company) under companies Act 2013 at REVA University Campus, Yelahanka, Bangalore. The company hereinafter called the "Resident Company/Incubatee" as per the Incubation Agreement with the Institute for Synergistic collaboration through RAY Foundation has been permitted. If there is any conflict in the rules given below, with any of the clauses of the agreement mentioned above, the rules/clauses of the said agreement will prevail.

#### **Rule-1**

##### **Tenure of Incubation**

The resident company/Incubatee will be permitted to incubate in REVA NEST for a period of Twelve Months. Further extensions can be granted at the sole discretion of REVA NEST. The resident company/Incubatee must inform the REVA NEST Management atleast two months before vacating the premises.

##### **Exit**

The resident company/Incubatee will be required to leave the incubator under the following circumstances:

- After the completion of the Incubation including extended incubation period, if any.
- Underperformance or in-ability to perform business as evaluated and decided by REVA NEST on case to case basis
- Irresolvable promoters' disputes in opinion of REVA NEST on case to case basis
- Violation of any rules and regulations of REVA NEST.
- Capital cash flow exceeds Rs 2 crores in the opinion of REVA NEST on case to case basis
- Number of employees of the incubatee exceeds 20
- When the annual gross revenues of the incubatee (excluding all the taxes) exceeds Rs. **Two crore or the Net Profit After Tax exceeds Rs. Fifty Lakhs**
- When the company enters in an acquisition, merger or amalgamation deal or reorganization deal resulting in a substantial change in the profile of the company, its promoters, directors, shareholders, products or business plan
- Incubatee plans for a public issue in the opinion of REVA NEST on case to case basis
- Change in promoters'/ founders' team in the opinion of REVA NEST on case to case basis.
- Any change of more than 50% of equity ownership unless approved by REVA NEST, in the opinion of REVA NEST on case to case basis
- Any other reason for which REVA NEST may find it necessary for an incubatee resident company to leave.

***Notwithstanding anything written elsewhere, REVA NEST decision in connection with the exit of an incubatee company shall be final and shall not be disputed by any incubatee company***

REVA – NEST (RAY Foundation), Technology Business Incubator, REVA University Campus, Bengaluru-64



**Rule-2**

The Resident Company/Incubatee shall undertake Research & Development, Design/Testing, prototype development from REVA NEST premises but shall not carry out warehousing, storage, marketing sales or other commercial routine activity unless taking prior approval from REVA Management and executing any agreements separately if required.

**Rule-3**

The REVA NEST address in REVA University campus, Bangalore **cannot** be used as the address of the Registered Office of the resident company/incubatee.

**Rule-4**

Subleasing or subletting of any kind of the space given by REVA NEST is not allowed. Non-observance of this rule will result in immediate expulsion.

**Rule-5**

If an incubatee/resident company require more space or has vacant space, a request for additional space/surrender of the space is required to be made to REVA NEST in writing.

**Rule-6**

All resident companies/Incubatees are required to observe health and safety standards. No hazardous material can be brought inside the complex without the prior approval of REVA NEST.

**Rule-7**

It is the responsibility of all the resident companies and their employees to use the common facilities e.g. common area, fax & other machines etc. with due diligence and care.

**Rule-8**

The Incubatee is also obliged to submit to REVA NEST one copy each of the Memorandum of Association, Articles of Association, and Annual Report (as and when approved by their Board of Directors).

**Rule-9**

Notwithstanding any issue/dispute pending between the Company and REVA NEST at the time of completion of the agreed tenure of incubation period, or if given an exit notice by REVA NEST the incubatee must vacate the allotted space unconditionally.

**Rule-10**

The Resident Company/Incubatees are required to keep the REVA NEST informed in advance for the following during the incubation period:

- a) Change of Name of Incubation Company to any other form of legal entity
- b) Any Major change in their incubation/business plans

REVA – NEST (RAY Foundation), Technology Business Incubator, REVA University Campus, Bengaluru-64



**Registrar**  
**REVA University**  
Bengaluru - 560 064



Annexure - Incubation Agreement

- c) Change in their ownership pattern
- d) Change in their Board of Directors
- e) Disposal of assets

**Rule-11**

REVA NEST reserves the right to release information regarding the Incubatee /the Incubation / the product or service to the media to promote REVA NEST for non-commercial purposes.

**Rule-12**

All resident Companies incubated in the Centre would be required to submit their audited annual Balance Sheet to the Centre after graduating from the Centre.

**Rule-13**

The incubatee companies will pay rent (Quarterly) applicable to them and the expenses related to common facilities and special services must be paid before 7<sup>th</sup> day of each month.

The applicable rent for **Embright Infotech** to avail Incubation facilities at REVA NEST is fixed at Rs 2000 per month.


**Rule-14**

Facilities and infrastructure to the incubated companies are subject to the incubation agreement.

- Board Room/Meeting space
- Training Rooms
- Photocopying, scanning machines (Small Load)
- Library
- Semi furnished offices
- Internet connectivity – Subject to REVA University IT policy

**Declaration:**

I/We have clearly read and understood above terms and conditions set by REVA-NEST (Ray Foundation) and we declare that we are taking Two seats at Incubation Center and agree to pay the applicable rent of **Rs 2000** per month per seat as mentioned in Rule No 13.

Signature: 

Date: 02/03/2019



REVA – NEST (RAY Foundation), Technology Business Incubator, REVA University Campus, Bengaluru-64

**Registrar**  
**REVA University**  
Bengaluru - 560 064



**MEMORANDUM OF UNDERSTANDING**

This binding memorandum of understanding ("MOU") is made on this the 29<sup>th</sup> day of March 2019,

BY AND BETWEEN:

**DUSTERS TOTAL SOLUTIONS SERVICES PRIVATE LIMITED**, a company incorporated under the Indian Companies Act, 1956, having its registered office at #332/1, Corporate Miller, 3<sup>rd</sup> Floor, Thimmaiah Road, Vasanth Nagar, Bangalore - 560 052 (hereinafter referred to as "Dusters", which expression, where the context admits, shall include its successors and permitted assigns), of the ONE PART;

AND

**REVA University Industry Interaction Center - REVA University** which has been established under the REVA University Act, 2012. The University is located in Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru, Karnataka on a sprawling green campus, spread over 45 acres of land, built with state-of-the-art infrastructure creating an environment conducive to higher learning and research.

OTHER PART.

Dusters and REVA are hereinafter collectively referred to as the "Parties" and individually as a "Party".

WHEREAS:

1. The Company is engaged in the business of providing facility management services to its clients ("Business");
2. REVA University currently offers 24 Full-time Post Graduate Programs, 5 Part-time Post Graduate programs, 21 Graduate programs, several Certificate/Diploma and Post graduate Diploma programs in Engineering, Architecture, Science & Technology, Commerce, Management Studies, Law, Arts & Humanities and Performing Arts.
3. Both the Parties has agreed to sign-up MoU as a partner whereas REVA will provide training, mentoring, monitoring and certification to the identified candidates whereas Company will provide industrial exposure, placement ,internship and hands on experience to deserved students



*Shubh Anand*



**DUSTERS TOTAL SOLUTIONS SERVICES PVT. LTD.**

Regd. office: # 332 / 1, Corporate Miller, 3rd Floor, Thimmaiah Road, Vasanth Nagar, Bengaluru - 560 052 T. 080 6819 6000 W. www.dtss.in  
Mumbai Regional Office: 201 & 202, Building No. 1, B-Wing, Kailash Industrial Complex, Parkside, Vikhroli (W), Mumbai - 400079 T. 022 4236 1111  
CIN - U74999KA2007PTC042734

*RoC*

**Registrar**  
**REVA University**  
Bengaluru - 560 064



NOW THEREFORE THIS AGREEMENT WITNESSETH AS FOLLOWS:

**1. ACTIVITIES TO BE UNDERTAKEN BY EACH PARTY**

**1.1. The obligations of Dusters are as follows:**

- 1.1.1. Identification of students for the up skilling or training and development program
- 1.1.2. Identification of module / curriculum for the employee development program
- 1.1.3. To continue to provide its personnel with the monthly remuneration and other employment benefits such personnel are entitled to in the course of their employment.
- 1.1.4. Monitoring the students to adhere to the rules and regulations of REVA University.
- 1.1.5. Regular interaction with university to understand the training progression.
- 1.1.6. To provide the schedule of upcoming program schedule and personnel detail.

**1.2. The obligations of REVA are as follows:**

- 1.2.1. To conduct the Training Program for Duster's personnel based on REVA's research and best suiting the needs of the Business.
- 1.2.2. Providing monitoring, mentoring and certification to the designed courses.
- 1.2.3. To provide accommodation, food and other basic amenities to such personnel at its own cost and expense during the course of the Training Program.

**2. TERM AND TERMINATION**

- 2.1.1 This MOU shall be effective upon the signature of both the Parties authorized officials. It shall be in force from 29<sup>th</sup> March, 2019 both the parties indicate agreement with this MOU by their signatures. The MOU will be for a period of 1 year effective from 29<sup>th</sup> March, 2019 and will be extended on mutual interest.
- 2.1.2 In case of termination of this MOU in any circumstances, both parties will ensure the existing students/faculty/staff are not affected with regard to ongoing training, and give the 30 days' notice period to the other party.

**3. CONFIDENTIALITY**

During the term of this MOU, neither Party shall use any business, trade or industrial information of the other Party which may come to its knowledge in connection with its activities conducted hereunder, nor make such information available to third parties and shall at all times maintain confidentiality of the information so divulged between them.



*Shobha Nair*



**DUSTERS TOTAL SOLUTIONS SERVICES PVT. LTD.**

Regd. office: # 332 / 1, Corporate Miller, 3rd Floor, Thimmaiah Road, Vasanth Nagar, Bengaluru - 560 052 T. 080 6819 6000 W. www.dtss.in  
Mumbai Regional Office: 201 & 202, Building No. 1, B-Wing, Kailash Industrial Complex, Parksite, Vikhroli (W), Mumbai - 400079 T. 022 4238 1111  
CIN - U74999KA2007PTC042734

*R. C.*

**Registrar**  
**REVA University**  
Bengaluru - 560 064



**4. MISCELLANEOUS**

- 4.1.1. COSTS & EXPENSES. Each Party shall bear its/his own costs and expenses in connection with the preparation, negotiation, finalization and execution of this MOU. It is further clarified that neither Party shall be entitled to claim reimbursement from the other for any expenses incurred in the course of undertaking/availing of the Training Program. Each party bears the costs as discussed above, respectively.
- 4.1.2. AMENDMENT. This MOU can be modified, supplemented or amended only by a written document executed by the Parties.
- 4.1.3. ENTIRE UNDERSTANDING. This MOU forms the complete understanding between the Parties regarding the subject matter hereof.
- 5. RELATIONSHIP BETWEEN THE PARTIES. This MOU is on a 'principal to principal' basis. Nothing contained herein shall be construed or have effect as constituting a relationship of employer and employee or principal and agent between the Parties hereto.
- 6. COUNTERPARTS. This MOU may be executed in 2 (two) counterparts, each of which will be deemed an original.
- 7. GOVERNING LAW & JURISDICTION. This MOU shall be governed by the laws of India. Any dispute arising hereunder shall be submitted to the exclusive jurisdiction of the courts in Bangalore.

Agreed and Accepted By:

For and On behalf of

Sign \_\_\_\_\_  
REVA UIIC



Sign \_\_\_\_\_  
DUSTERS TOTAL SOLUTIONS SERVICES PRIVATE LIMITED



**DUSTERS TOTAL SOLUTIONS SERVICES PVT. LTD.**

Regd. office: # 332 / 1, Corporate Miller, 3rd Floor, Thimmaiah Road, Vasanth Nagar, Bengaluru - 560 052 T. 080 6819 6000 W. www.dtss.in  
Mumbai Regional Office: 201 & 202, Building No. 1, B-Wing, Kailash Industrial Complex, Parksite, Vikhroli (W), Mumbai - 400079 T. 022 4238 1111  
CIN - U74999KA2007PTC042734

**Registrar**  
**REVA University**  
Bengaluru - 560 064



**SCHEDULE I**  
["TRAINING PROGRAM NAME"]

**DETAILED SCOPE:**

- Facility Management Training, Technical Training, IT skills Training and Behavioral Training.

**DURATION OF EACH TRAINING PROGRAM (EACH, A "BATCH"):**

- 2 months (60 days)

**NO. OF PARTICIPANTS PER BATCH:**

- 1<sup>st</sup> Batch 20 Trainees – Commencement date 8<sup>th</sup> May 2019,
- 2<sup>nd</sup> Batch 25 Trainees – Commencement date 10<sup>th</sup> July 2019,
- 3<sup>rd</sup> Batch 25 Trainees – Commencement date 10<sup>th</sup> Sept 2019.

**Note :** Any changes in the scheduled start date of the training program's the same shall be intimated to REVA 15 days before the commencement of the program.

**OTHER PARTICULARS:**

- Accommodation & food will be provided by REVA
- Trainees will have access to FM Lab & Computer Lab.
- Trainees will have access to REVA UIIC library
- Trainees will have access to other area/ facility required for the course with the authorized person.
- Time to time evaluation will be done by DTSS.



*Shaba Khan*



**DUSTERS TOTAL SOLUTIONS SERVICES PVT. LTD.**

Regd. office: # 332 / 1, Corporate Miller, 3rd Floor, Thimmaiah Road, Vasanth Nagar, Bengaluru - 560 052 T. 080 6819 6000 W. www.dts.in  
Mumbai Regional Office: 201 & 202, Building No. 1, B-Wing, Kailash Industrial Complex, Parksite, Vikhroli (W), Mumbai - 400079 T. 022 4238 1111  
CIN - U74999KA2007PTC042734

*Roc*

**Registrar**  
**REVA University**  
Bengaluru - 560 064



## MEMORANDUM OF UNDERSTANDING

The first party is **INDRONE AERO SYSTEMS** having its registered office at **H. No 160, Central Excise Colony Hubli, Pin - 580030** and the second party **REVA NEST, REVA University, Bengaluru**.

Whereas both parties in this memorandum of understanding have jointly consented to initiate incubation program addressing research projects, identifying and applying for funding agencies, establishment of start-up at REVA NEST, Technology Business Incubator from 1/10/2019; whereas **First Party** on its part proposes to address the broad area of its interest, under this memorandum, and agrees to do the following:

1. **Aim of Partnership:** INDRONE Aero Systems has would like to utilize the space at Reva Nest to expand their business and also increase their business reach. We would be utilizing the space for conducting meetings, help in providing startup inputs if required, share knowledge and assist students during their projects. We aim to grow both the organization as well as its supporting peers in the journey ahead.
2. **Infrastructure & other requirements from Second Party.**
  - Second Party will provide necessary infrastructure for office affairs, Working Space, Internet and Pantry to **First Party** through REVA NEST, Technology Business Incubation Center.
  - **First Party** will use Amenities available in the Second Party such as Parking area, Pantry/ Food Court, Board Room, Conference rooms, and training rooms if required (based on availability and nominal charges).
  - **First Party** can use Electronics Lab Equipment's, Embedded Labs, Measuring Instruments, Digital Boards, Development boards and other equipment's available with Second Party (based on availability and prior approval from concerned authorities).
  - **First Party** can use Software tools, Programming tools, Simulators and other Software tools available with Second Party (Based on availability and prior approval from concerned authorities).
  - **First Party** will get accessing to IEEE Library, Books Campus Library and Other Knowledge Sources available in the Second Party.
  - Second Party will provide consultation to **First Party** in the required fields in order to achieve the Goal (consultation based on nominal fee).
  - Second Party will Support **First Party** in Research and Development, Marketing and Technology Survey, Brand Building and Marketing (through consultancy and internship programs).
3. **Sharing of profit & other terms**
  - **First Party** will work as independent Entity from Second Party

REVA –NEST (RAY Foundation), Technology Business Incubator, REVA University Campus, Bengaluru - 64

**REVA UNIVERSITY**

Rukmini Knowledge Park, Yelahanka  
Post, Bengaluru-560064

TEL +91-80-6622 6622  
FAX +91-80 2847 8539  
www.reva.edu.in

**REGD OFFICE**

DivyaSree Chambers, 'A' Wing  
#11, O'Shaugnessy Road  
Bengaluru - 560025

TEL +91-80-2221 3344  
FAX +91-80 2222 8840

- **First Party** will pay the rent as fixed by the REVA NEST Management. The company will share part of the revenue generated through training programs, workshops and any other capability building events as fixed by REVA-NEST.
- If in future **First Party** receives any financial assistance directly from Second Party or any funding agencies through Second Party then separate agreement will be executed indicating the mode of repayment or sharing of ownership.
- The MoU is valid for period of 12 months from the date of signing the agreement. It can be further extended (if required) upon mutual consent.

#### 4. Internship Program

- **First Party** will provide internship opportunity to Graduates and Post Graduate students of Second Party.
- Duration and mode of Internship, Selection of Students, Interview, Certification, Compensation and Termination of Internship rights reserved by **First Party**

#### 5. Recruitment Program

- **First Party** will hire Outgoing Deserved Students for different profiles available with them.
- Duration and mode of Job/Profile, Selection of Students, Interview, Certification, Compensation and Termination of resource rights reserved by **First Party**.
- **First Party** will keep rights to hire Employees from outside sources for different position on need basis; it includes both Part time and full time Employees

#### 6. Other important points

- Both the parties to this understanding shall discuss and finalize the details of these and all the activities on mutual acceptance basis, from time to time.
- Both the parties consent to carry out all the obligations mutually agreed upon from time to time.
- Neither party will be liable to the other for any delay or in failure of performance of their respective obligations under this agreement caused by occurrences of force major events or other factors reasonably beyond the control of both parties. In such events, both the parties shall inform each other of the circumstances in writing.
- Any alteration, agenda or edition to the MOU can be made by mutual agreement on the same.
- Both parties consent to settle differences, if any, amicably by friendly consultations. Generally, such consultations will be between the signatories to this agreement. The decision made so will be binding on both parties.
- In case of termination of this MOU in any circumstances, both parties will ensure the existing students/faculty/staff are not affected with regard to ongoing training, projector any other activity.

REVA –NEST (RAY Foundation), Technology Business Incubator, REVA University Campus, Bengaluru - 64





- This MOU shall come into force on the date set forth on the first page here of and shall remain in force till termination of MOU and in full agreement of the foregoing conditions, both the parties sign as under and deliver copies to each other.
- The First Party agrees that he has read and understood all the terms & conditions mentioned in this MoU document as well as Annexure enclosed.

**Signatures:**

**Mr. Anurag Joshi**  
Founder, INDRONE AERO SYTEMS.

**Dr. S.Y Kulkarni,**  
Vice Chancellor, Second Party, Bengaluru.

**Dr. M. Dhanamjaya,**  
Registrar, Second Party, Bengaluru.

**Dr. Kiran Kumari Patil**  
Director, REVA-NEST, Bengaluru.

REVA –NEST (RAY Foundation), Technology Business Incubator, REVA University Campus, Bengaluru - 64

**Registrar**  
**REVA University**  
Bengaluru - 560 064



**REVA**  
**UNIVERSITY**



**MEMORANDUM OF UNDERSTANDING**

**BETWEEN**

**KARNATAKA STATE LEGAL SERVICES AUTHORITY,  
BENGALURU**

**AND**

**REVA UNIVERSITY, BENGALURU**

**APRIL 2019**

**Registrar**  
**REVA University**  
**Bengaluru - 560 064**



This Memorandum of Understanding (“MOU”) is entered into on this 24<sup>th</sup> day of April, 2019 (“Effective Date”) by and between:

**KARNATAKA STATE LEGAL SERVICES AUTHORITY**, Bengaluru, is a statutory Body constituted under the Legal Services Authorities Act, 1987 having its Office at Nyaya Degula Building, 1<sup>st</sup> Floor, H.Siddaiah Road Bangalore – 560027 (hereinafter referred to as ‘**KSLSA**’) which expression shall mean and include its successors and permitted assigns of the **FIRST PART**;

**AND**

School of Legal Studies Constituent Department of REVA University, Bengaluru having its registered office at Yelahanka (hereinafter referred to as **SOLS**) which expression shall mean and include its successors and permitted assigns of the **SECOND PART**;

**KSLSA and SOLS** are hereinafter referred to individually as a ‘Party’ and collectively as the ‘Parties’.

**PREAMBLE:**

**KSLSA**, is a statutory Body constituted under the Legal Services Authorities Act, 1987

**Hon’ble Mr. Justice L. Narayana Swamy**, Acting Chief Justice, High Court of Karnataka, is the Patron – in – chief and is the Executive Chairman.

The Authority is constituted to translate the goals of the Legal Services Authorities Act, 1987 into reality viz.: to provide free and competent legal services to the weaker sections of the society and to ensure that opportunities for securing justice are not denied to any citizen by reason of economic or other disabilities and to organize Lok Adalats to secure that the operation of the legal system promotes justice on a basis of equal opportunities. Creating legal awareness, Legal aid and resolution of disputes through amicable settlement are the main functions of the Authority.

REVA University has been established under the REVA University Act, 2012. The University is located in Bengaluru on a sprawling green campus, spread over 45 acres of land, built with state-of-the-art infrastructure creating an environment conducive to higher learning and research.

The founders of REVA University believe in the motto ‘Knowledge is Power’. Driven with a philanthropic vision and a missionary zeal, the campus is built to transform students into outstanding citizens. The University prides itself in contributing to every student’s holistic development. The University currently offers 24 Full-time Post Graduate Programs, 5 Part-time Post Graduate programs, 21 Graduate programs, several Certificate/Diploma and Post graduate Diploma programs in Engineering, Architecture, Science & Technology, Commerce, Management Studies, Law, Arts & Humanities and Performing Arts. Above All, the University facilitates Research leading to Doctoral Degrees in all disciplines.

The School of Legal Studies REVA University was established in 2015 and offers graduate programs with an objective of preparing Law graduates with a sound understanding of the foundations of legal knowledge. The School offers B.A., LL B (Hons.) & BBA. LL B (Hons.) LL.M in Corporate and Business Law and Doctoral degree.

This Memorandum of Understanding sets down mutually agreed broad framework for mutual co-operation in establishing and operating Legal Aid Clinics and to undertake Legal Literacy Programmes.

The following are the terms of agreement of the MOU.

**Article I**

Section 4(k) of the Legal Services Authorities Act, 1987 mandates the National Legal Services Authority to develop in consultation with the Bar Council of India the programmes for clinical legal education and promotes guide and supervise the establishment and working of Legal Services Clinics in Universities and Law Colleges.

**Registrar**  
**REVA University**  
Bengaluru - 560 064



The National Legal Services Authority has already notified the National Legal Service Authority (Legal Aid Clinics) Regulations, 2011, Regulations 22 to 26 of which are applicable to student Legal Aid Clinics.

The National Legal Services Authority (Legal Service Clinics in universities, Law Colleges and other Institutions) Scheme, 2013 provides sufficient logistics in the form of financial assistance and also technical resources amongst others. It delineates the activities of the Students Legal Aid Clinics and also provides for documentation and reporting procedures.

Legal Aid Clinics aim at two objectivities. One is to improve the clinical legal skills of the students and the second is to inoculate an attitude amongst the students to provide effective legal services to the poor and marginalized people.

In this context the **First Party**, Shall equip students Legal Aid Clinics established at the SOLS under:

1. Provide printed literature to the student Legal Aid Clinics.
2. Depute its officers and Advocates on its panel to participate in the legal aid, legal literacy and other programmes organized.
3. Sensitize and train the faculty and offers in organizing and providing legal services.
4. Provide necessary logistics to realize the objectives of the Legal Services Authorities Act 1987, and translate the National Legal Services Authority (Legal Aid Clinics) Regulations, 2011 and the National Legal Service Authority (Legal Service Clinics in Universities/Law Colleges and other Institutions) Scheme, 2013 into reality.

#### Article II

**Second party** will facilitate the following:

1. Endeavour to realize the objectives of the Legal Services Authorities Act 1987, and translate the National Legal Services Authority (Legal Aid Clinics) Regulations. 2011 and the National Legal Services Authority (Legal Services Clinics in Universities/Law Colleges and other Institutions) Scheme, 2013 into reality through the Student Legal aid Clinics established at the School of Legal studies, REVA University, Bengaluru, or the Legal Aid Clinics to be set up by school of Legal Studies, Reva University, Bengaluru in the villages. Guidelines narrated in the aforesaid Schemes shall be part and parcel of this MOU. The Regulation and Scheme forming part of this MOU are in the Annexure hereto.
2. Appoint a faculty member who shall be responsible to co-ordinate the activities of Students REVA Legal Aid Clinic (RLAC), under it, in accordance with the Regulations and Schemes mentioned in (1) above.
3. Co-ordinate the activity of establishing and operating these Clinics in villages near by REVA University and later extend it to other villages gradually. The said villages would be adopted by School of Legal Studies REVA University (SOLS) for providing Legal Aid and Legal Literacy programmes, on a regular and continuous basis, to the villagers therein.
4. Bring out appropriate public legal education literature in English and Kannada.
5. Bring out audio-visual legal literacy material.

#### Article III

1. The MOU between the two institutions shall be supplemented by detailed work plans to be developed jointly which describe more specially the activities to be carried out under this collaborative program and as per the National Legal Services Authority (Legal Services Clinics in Universities, Law Colleges and other Institutions) Scheme, 2013
2. If need arises, the Karnataka State Legal Services Authority and REVA University may constitute a Joint Committee to work out the practical problems of collaboration. If any, between the two Institutions in general and to ensure proper and effective implementation of this MOU.
3. Such details as agreed upon will be effective by exchange of letters between the Karnataka State Legal Service Authority and REVA University and such letters shall form part of this

**Registrar**  
**REVA University**  
Bengaluru - 560 064



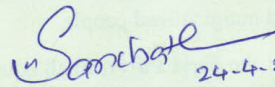
**Article IV**

This MOU shall be in effect initially for a period of ten years from the date on which this MOU is signed by both the parties and may be renewed thereafter, if mutually agreed. Either party may terminate the MOU by written notification sent to the proper Officer of the institution. Such notice must be received by either party six months prior to the effective termination date.

In witness whereof the parties hereto caused this instrument duly executed this 24<sup>th</sup> day of April, 2019.

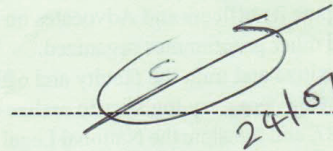
**On behalf of the Karnataka State Legal Service Authority, Bengaluru**

**Mr. Hanchate Sanjeevkumar,**  
Member Secretary,  
Karnataka State Legal Service Authority,  
Bengaluru

  
24-4-2019

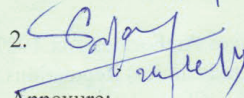
**On behalf of the REVA University,**  
Bengaluru

**Dr. S. Y. Kulkarni**  
Vice Chancellor  
REVA University  
Bengaluru

  
24/5/19

**Witnesses:**

1.  24/04/19

2. 

**Annexure:**

1. Copy of the National Legal Services Authority (Legal Services Clinics in Universities, Law Colleges and other Institutions) Scheme, 2013 and
2. Copy of the National Legal Services Authority (Legal Aid Clinics) Regulations, 2011 Notification No. L/OS/11/NALSA New Delhi, 15<sup>th</sup> August, 2011.



**Registrar**  
**REVA University**  
Bengaluru - 560 064



**MEMORANDUM OF UNDERSTANDING  
BETWEEN  
UNIVERSITY OF CALIFORNIA, BERKELEY, EXTENSION  
AND  
REVA UNIVERSITY**

The University of California, Berkeley, Extension and REVA University, recognizing the benefit of educational and cultural cooperation which can be achieved between our institutions, enter into this Memorandum of Understanding effective February 1, 2020 in order to facilitate study abroad for the students, scholars, and professional staff of REVA University.

**Scope of Cooperation**

The areas of cooperation will include promotion of any program offered at **UC Berkeley Extension International Programs** which is felt to be desirable and feasible for the development and strengthening of cooperative relationships between the two institutions. Cooperation will be carried out through mobility of undergraduate and/or graduate students under the Berkeley Global Access Program, Berkeley Haas Global Access Program, Legal Studies Global Access Program, Immersive and Professional Diploma Programs, Concurrent Enrollment Program, and the Berkeley Physics International Education (BPIE) Program.

Any specific activity shall be subject to mutual consent and approval of each institution. Such programs may include but are not limited to:

- a) Participation in current and new programs, seminars and academic meetings
- b) Exchange of academic materials and other information
- c) Special short-term academic programs

Each institution shall designate a liaison officer to develop and coordinate the international study activities.

**University Trademarks and Logos**

Institution acknowledges that the name of the University of California, or any abbreviation thereof, or any name of which "University of California" is a part, or any trademarks or logos of the University, cannot be used in any commercial context, including, without limitation, on products, in media (including websites), and in advertisements, in cases when such use may imply an endorsement or sponsorship of Institution, its products or services.

[Page 1]

**Registrar**  
**REVA University**  
Bengaluru - 560 064



-2

This MOU expresses the parties' intent to cooperate with each other with respect to the mutually agreed upon goals set forth herein. This MOU shall not obligate either party to take any action, enter into any agreement or pay any amount to any party.

IN WITNESS WHEREOF, the parties hereto have executed this MOU as of the Effective Date.

*On behalf of Partner Institution*

*On behalf of UC Berkeley Extension*

Signature

Signature

Dr. S Y Kulkarni, Vice Chancellor  
Vice-Chancellor

Diana Wu, Dean

REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru-560 064

23/07/2020

1/27/20

Date

Date

*On behalf of Partner Institution*

Signature

Dr. M Dhananjaya, Registrar

**Registrar**  
**REVA University**  
**Bengaluru - 560 064.**

24/01/2020

Date

**Registrar**  
**REVA University**  
**Bengaluru - 560 064**



## Memorandum of Understanding

Between

Monkfox Education

And

School of Computing and Information Technology, REVA University

### 1. Parties:

This Memorandum of Understanding (hereinafter referred to as MoU) is entered between **Monkfox Education** represented by Mr Atul Sharma, hereinafter referred to as the **First Party**.

AND

School of Computing and Information Technology, **REVA University, Bengaluru, Karnataka 560064** represented by its Director Dr Sunil Kumar S Manvi, hereinafter referred to as the **Second Party**.

The First Party and Second Party are individually referred to as Party and collectively referred to as Parties.

### 2. Purpose:

Whereas, the First Party is in the field of providing education and training to students pursuing different educational and training courses and has proposed to the Second Party, its desire to conduct trainings for the students pursuing different courses through it at the college campuses under the ownership and management of Second Party, and


Whereas the Second Party is an educational institution with modern facility and infrastructure support by way of class rooms, library, Information Technology and allied infrastructure and training equipment's required for facilitation of the training, and is willing to associate with the First Party in conducting training for the Course as herein below defined, and

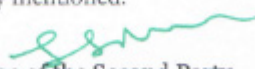
Whereas the Parties have had preliminary discussions in this matter and have ascertained areas of broad consensus. The Parties now, have therefore, agreed to enter in writing these areas of consensus, under this MoU.

### 3. Definitions:-

"Cheque" refers to bank cheques, bank draft or wire transfers.

"Course" or "Training" refers to technology training or any other course as agreed upon from time to time by both the Parties unless specifically mentioned.

  
Signature of the First Party

  
Signature of the Second Party  
Director<sup>1</sup>  
School of Computing & IT  
REVA University  
Bukmini Knowledge Park, Kattigena  
Yelahanka Bengaluru - 560 064

  
Registrar  
REVA University  
Bengaluru - 560 064





“Materials” refers to materials as provided by First Party for the Training, practice and preparation of the examination for the Course.

**4. Process:**

Now, therefore, following are the terms and conditions agreed upon between the Parties:

- i) The first party shall deliver training and then facilitate the certification of the course the details of which are listed as per Schedule – 1 which forms part of this MoU.
- ii) The First Party shall provide faculty members/trainers with requisite experience to conduct the training sessions for the students enrolled for the Course.
- iii) The Second Party agrees to permit the First Party to conduct the Course in their premises and provide a conducive atmosphere, infrastructure and provide support for the smooth functioning of the trainings.
- iv) The First Party and Second Party will plan and schedule the exact date(s) of commencement of the training as well as the timings for the trainings.
- v) The Second Party shall enroll the students for the Course provided by the First Party and will maintain proper records of the students enrolled and shall share the same with the First Party, in order to avoid any kind of dispute at a later date.
- vi) The default fee for the course per certification as mentioned in Annexure I per student is agreed to be 1000/- ₹ for physical training & 800/- ₹ for online training. The same may be subjected to revision if required.
- vii) In further to the conditions provided in Clause (vi), the Second Party shall communicate to the First Party the expression of interest by the students for the desired certification and the First Party shall, based on such written expression of interest provided by the Second Party for and on behalf of the students, endeavor to make available the date, time and center subject to the availability.
- viii) The Second Party shall collect no charges by way of rental or other charges from the First Party in connection with and as a consequence of this MoU.
- ix) Both Parties must conduct the whole exercise under this MoU in the most professional and ethical manner in the larger interest of preserving and promoting the reputation of Monkfox Education and REVA University
- x) Both Parties have come to an understanding that, the First Party shall, at its sole discretion, determine the Training Material(s), content and delivery of the Course to be promoted under the MoU. However, the First Party shall reasonably ensure the content, support, quality and affordability of the Materials.
- xi) The minimum size of the batch is mutually fixed at sixty plus students per batch for Courses conducted at Second Party's premises.

Signature of the First Party

Signature of the Second Party

Director  
School of Computing & IT  
REVA University

Rukmini Knowledge Park, Kattigenahalli,  
Yelahanka Bengaluru - 560 064

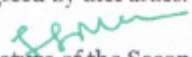
Registrar

**REVA University**  
Bengaluru - 560 064



- xii) The duration of the Course is mutually agreed to be three days' workshop and fourth day exam orientation and online exam. The tentative date for commencement of each batch will be informed to the First Party by the Second Party from time to time.
- xiii) Second Party agree to clear all payment dues to first party within 45 days from the commencement of training assignment.
- xiv) Second Party will not approach / accept any training assignment from the faculties of the first party for two years from the date of his/her assignment delivery.
- xv) This MoU is effective from the date of signing of this MoU and shall continue to be in force for a period of One (1) year and review thereafter, unless terminated earlier in accordance with the terms of this MoU. Either party can terminate with 60 (Sixty) days' notice subject to completion of batches.
- xvi) Notwithstanding anything contained in the MoU, the First Party shall interact with the students enrolled for the Course and individually collect feedback, written or otherwise, about the classes or faculty.
- xvii) If the First Party or the Second Party fails to timely and fully meet the requirements of every batch or has been guilty of any misconduct, dishonesty or has violated any terms of this MoU, even after being served a Sixty (60) days written notice by the aggrieved Party to cure such breach, default or misconduct, then the aggrieved Party reserves its right to terminate this MoU immediately with written notice to the other Party and without incurring any additional liabilities other than any obligations for payments, if any, which are due up to the date of such termination.
- xviii) The Second Party shall make no efforts to encourage the faculty members/trainers provided by the First Party to propagate the Course on their own, or through the Second Party. Further, the faculty members of the First Party shall not be approached for conducting courses or classes for a period of two years in the event of termination of the MoU.
- xix) Notwithstanding anything contained in this MoU, the MoU may be terminated by Sixty (60) days prior notice in writing by either Party. In case of such termination, both the Parties agree to fulfill their respective obligations under the MoU so as to complete training for any students who have already been enrolled and made the fees payment in the Course.
- xx) This MoU shall be governed by and construed in accordance with the laws of India. Any dispute arising under this MoU shall be discussed and mutually resolved by the Parties. If such mutual discussions do not settle the dispute within sixty (60) days, the Parties agree to refer the matter to for adjudication by the courts having competent jurisdiction of the first party.
- xxi) Each Party shall hold in confidence and refrain from divulging and cause its personnel to hold in confidence and refrain from divulging to any party whomsoever, all data and information about the other Party or concerning the other Party which each Party and/or its personnel may acquire in connection with this MoU, except as otherwise agreed by the Parties.

  
Signature of the First Party

  
Signature of the Second Party

Director  
School of Computing & IT  
REVA University  
Mini Knowledge Park, Kattigenahalli  
Chalabanka Bengaluru - 560 064

  
Registrar  
REVA University  
Bengaluru - 560 064



- xxii) The MoU shall be read and exercised in whole and no part of the MoU shall be read and exercised separately.
- xxiii) It is expressly understood and agreed that this MoU is entered into as a contractual relation with respect to the conduct of the Courses, which relationship shall not, under any circumstances, be regarded as a corporation or partnership or consortium or joint venture or association of persons or any other entity having a distinct legal personality whatsoever. Each Party shall perform its respective obligations under this MoU in a lawful manner, consistent with the highest ethical and business standards.

MoU was signed on .....at.....

**Atul Sharma**  
Director – Business & Operations  
Monkfox Education

**Dr Sunil Kumar S Manvi**  
Director School of C & IT,  
REVA University  
**Director**  
**School of Computing & IT**  
**REVA University**  
Rukmini Knowledge Park, Kattigenahalli  
Yelahanka Bengaluru - 560 064

.....  
**Mr Vasu**  
DGM Finance  
REVA University

.....  
**Dr. Kiran Kumar Patil**  
Director UIIC  
REVA University

.....  
**Dr. M. Dhananjaya**  
Registrar  
REVA University

.....  
**Dr. K. Mallikharjuna Babu**  
Vice Chancellor  
REVA University

Signature of the First Party

Signature of the Second Party

**Registrar**  
**REVA University**  
Bengaluru - 560 064



**ADVANCED ELECTRONIC SYSTEMS**

GSTIN/UIN : 29AABFA9129K1Z6

# 143, 9th Main Road, 3rd Phase, Near Laggere Cross, Peenya Industrial Area, Bangalore - 560 058

Tele/Fax : 080-4162 5285, 4153 9484 Mobile : 98864 93721 E-mail: sales@alsindia.net / admin@alsindia.net Web : www.alsindia.net

Marketing Division : Tele : 91-080-4096 5575 , Mobile : 98860 59662, E-mail : alsindia.net@gmail.com

**MOU for Advanced Electronic Systems Center of Excellence**

1. This Memorandum of Understanding (MOU) is being executed on 1<sup>st</sup> day of October 2019 (01/10/2021) between Ms. Advanced Electronics Systems (ALS), an electronic manufacturing company having its registered company at #143, 9th Main Road, Near Laggere Cross, 3rd Phase, Peenya Industrial Area, Bangalore – 560058 and represented by Mr. Sunil.T.Shambhatnavar-General Manager hence for the purpose of MOU known as “Delivery Partner” and REVA University School of Computer Science and Engineering represented by Dr Sunil Kumar S Manvi hence for the purpose of the MOU known as “Resource partner”.
2. **Purpose:** The purpose of this agreement is to promote cooperation in engineering education and Industry between Ms. Advanced Electronics Systems (ALS) and REVA University School of Computer Science and Engineering.
3. **Types of Cooperation:** Through this memorandum, both parties affirm the value of industry collaboration and agree to promote the following:
  - i) Mobility of faculty, scholars, and students between institutions.
  - ii) Staff professional development.
  - iii) Sharing or creation of educational materials and resources.
4. 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 Institution. Subsequent program agreements must be approved in writing by the authorized representatives of each institution.

This Agreement will become effective upon the date of signature by both Parties. It shall remain valid for a period of five (5) 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 ALS and REVA School of CSE agree to work in good faith to enable visiting scholars to complete their respective research programs unhindered by the termination. The agreement may be extended by mutual consent of the two Parties after the five-year period, and it must be renewed in writing.

This Memorandum of Understanding completed in English is hereby signed in two (2) copies with one (1) copy remaining in the possession of each institution.

For the Advanced Electronics System, Bangalore



*Shubrat*

For the School of CSE, REVA University, Bangalore

*Roe*

**Registrar**  
**REVA University**  
Bengaluru - 560 064

### MEMORANDUM OF UNDERSTANDING

REVA NEST TBI, REVA University, Bengaluru, an Incubator here after referred the **First Party** and **GenoPhe Biotech Pvt Ltd**, an incubatee referred as **Second Party**.

The Second party consented to get incubated at REVA NEST and will have their Company at

GenoPhe Biotech Pvt Ltd,  
REVA NEST- Bio-Incubator  
Level G, Building of Applied Life Sciences,  
REVA University, Kattigenahalli,  
Yelahanka, Bengaluru 560064

Both Parties hereby agree and upon to initiate program addressing research projects, identifying and applying for funding agencies, establishment of start-up at REVA NEST, Technology Business Incubator from **04/03/2020**; whereas second party on its part proposes to address the broad area of its interest, under this memorandum, and agrees to do the following:

#### 1. Aim of Partnership:

First party to provide Incubation facility to second party.

#### 2. Infrastructure & other requirements from Second Party.

- First Party will provide necessary infrastructure for office affairs, R&D Space (49 x 14 feet), electricity, water and landline to the second party.
- Second Party will use other Amenities available with First Party such as parking area, Pantry/Food Court, Board Room, Conference rooms, and training rooms, if required (based on availability and nominal charges).
- Second Party can use all necessary Lab Equipment's available with First Party (based on availability and prior approval from concerned authorities).
- Second Party will get access to IEEE Library, Books, Campus Library and Other Knowledge Sources available with the First Party.
- First Party will provide consultation to second Party in the required fields.
- Both parties will have collaborative R&D projects, Marketing and Technology Survey, Brand Building and Marketing (through consultancy and internship programs).



**3. Sharing of profit & other terms**

- Second Party will work as an independent Entity, execute its CRO Services and related activities. They can associate with other agencies, institutions, organizations to engage students from outside for training and internships.
- Second Party will pay 10% of revenue from programs executed for the students/staff of First Party.
- Second Party will pay 10% of the revenue generated from the consultancy work brought in by First Party.
- Second party at present needs 5 seater work space and will pay accordingly (12,000/- per month) for the first year and from the second year, will pay (15,000/- month).
- First Party Account Details (Beneficiary Name: REVA Aspiring Youth Foundation, Bank Account Number: 6662000100010701, IFSC CODE: KARB0000666, MICR CODE: 560052072)
- Any new program proposed by both parties will have addition annexures mentioning details about program and other policies.
- The MoU is valid for period of 24 months from the date of signing the agreement. It can be further extended (if required) upon mutual consent.

**4. Internship Program**

- Second Party will provide internship opportunity to Graduate and Post Graduate students of First Party.
- Duration and mode of Internship, Number and Selection of Students, Interview, Certification, Compensation and Termination of Internship rights are reserved by Second Party.
- Second Party will provide monthly two free sessions for students of first party.

**5. Other important points**

- Both the parties to this understanding shall discuss and finalize the details of these and all the activities on mutual acceptance basis, from time to time.
- Both the parties consent to carry out all the obligations mutually agreed upon from time to time.
- Any Intellectual property rights [IPRs] developed by the Second Party during the Incubation period will be the property of the Incubatee only.



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UNIVERSITY

- The second Party shall have the opportunity to develop technology through licenses of the First Party. The Second Party shall not be required to execute a separate agreement for licensing or assignment of any IPRs, the ownership of which lies with the First Party.
- The First Party shall allow the Second Party to make payments after deducting TDS (Tax deducted at source) wherever applicable on payments made to First Party. Also, the First Party shall provide invoices for monthly payments as well as revenue shared by Second Party.
- The Second Party shall have entry to all Training, workshops and other events of the First Party.
- Neither party will be liable to the other for any delay or in failure of performance of their respective obligations under this agreement caused by occurrences of force major events or other factors reasonably beyond the control of both parties. In such events, both the parties shall inform each other of the circumstances in writing.
- The First Party cannot be held legally responsible if the Second Party is involved in any litigation with a third party over any legal issue whatsoever, and vice versa, during the incubation period.
- The Second Party shall not accept any responsibility to compensate anyone as a result of any accident or damage (electrical / explosion etc.) taking place at the incubation premises or at any place, not resulting from their activities.
- Any alteration, agenda or edition to the MOU can be made by mutual agreement on the same.
- Both parties consent to settle differences, if any, amicably by friendly consultations. Generally, such consultations will be between the signatories to this agreement. The decision made so will be binding on both parties.
- In case of termination of this MOU in any circumstances, both parties will ensure the existing students/faculty/staff are not affected with regard to ongoing training, projector any other activity.
- This MOU shall come into force on the date set forth on the first page here of and shall remain in force till termination of MOU and in full agreement of the foregoing conditions, both the parties sign as under and deliver copies to each other.
- The Second Party agrees to have read and understood all the terms & conditions mentioned in this MoU document as well as Annexure enclosed.

REVA UNIVERSITY  
Rukmini Knowledge Park, Yelahanka  
Post, Bengaluru-560064

☎ +91 80 6622 6622  
☎ +91 80 6622 6645  
[www.reva.edu.in](http://www.reva.edu.in)

Rukmini Educational  
Charitable Trust



**Registrar**  
**REVA University**  
Bengaluru - 560 064



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Signatures:

*Dr. T Srinath*  
Founder & CEO, Second Party

*Dr. S.Y Kulkarni,*  
Vice Chancellor, First Party, Bengaluru

*Dr. M. Dhanamjaya,*  
Registrar, First Party, Bengaluru

*Dr. Beena G*  
Dean, School of Applied Science, First Party,  
Bengaluru

*Dr. Kiran Kumari Patil*  
Director, REVA-NEST, First Party, Bengaluru

REVA UNIVERSITY  
Rukmini Knowledge Park, Yelahanka  
Post, Bengaluru 560064

☎ +91 80 6622 6022  
☎ +91 80 6622 6045  
[www.reva.edu.in](http://www.reva.edu.in)

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Charitable Trust

**Registrar**  
**REVA University**  
Bengaluru - 560 064





**MMS University**



**REVA**  
UNIVERSITY

**MOU for Industry Academia Partnership**

**Date of MoU Commencement: 19<sup>th</sup> February, 2020**

**MMS Holdings (MMS) - Canton, Michigan, USA**

*US based group of institutions involved in Clinical Research, Software and Education*

**&**

**REVA University (RU) – Bangalore, Karnataka, India**

*Managed by Rukmini Educational Charitable Trust*

have decided to join hands with the objective of bridging the gap between academic learning and industry training by signing this Memorandum of Understanding (MoU).

As a result, MMS will offer 'Assessment based Certification' courses in the field of Clinical Research to students from RU.

These courses are designed by industry veterans with decades of global experience with the specific intention of providing real world perspectives and training to students from around the world who wish to enhance their skills, in order to explore a career in the pharmaceutical industry in general and in the field of clinical research in particular.

**MMS University Deliverables:**

1. MMS shall provide an 'MOU Kit' to RU after signing the MOU, which will include the:

- Welcome letter from the MMS Management
- Framed copy of signed MOU main page
- Complete copy of MOU signed document
- Marketing material from MMS (logo, posters, brochures and registration forms)

2. The overall course package from MMS for students from RU would cover the following:

- The courses will be offered to the students through an online LMS platform called Blackboard.
- The course on offer to the students of RU from MMSU is 'Medical Writing 1 - Fundamentals of Medical Writing'



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**REVA University**  
Bengaluru - 560 064



**MMS University**



**REVA**  
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**MOU for Industry Academia Partnership**

**Date of MoU Commencement: 19<sup>th</sup> February, 2020**

**MMS Holdings (MMS) - Canton, Michigan, USA**

*US based group of institutions involved in Clinical-Research, Software and Education*

**&**

**REVA University (RU) – Bangalore, Karnataka, India**

*Managed by Rukmini Educational Charitable Trust*

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**MMS University**



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5. Every semester, RU shall permit interested students to attend a one-day Medical Writing workshop in MMS office.

**Other Terms**

1. Fee structure for the course 'Medical Writing 1 - Fundamentals of Medical Writing' is as follows:

Price: Rs. 25,000/- (Twenty-Five Thousand)

*Note 1: The price is exclusive of GST*

*Note 2: This course is a 10 weeks long online course excluding the internship*

2. Any change in the provisions of this MOU will be done after mutual discussions and agreement between MMS and RU.
3. MMS is open to collaborating with RU for designing customized courses, which can be offered as standalone courses or as curriculum addendum offerings to students.
4. At any stage, RU & MMSU, may revoke the MoU, with prior written notice of not less than thirty (30) days.

Authorized Signatory



**Sulakshana Nithyakanth**  
MMSU Coordinator  
MMS Holdings Inc.

Authorized Signatory



**Dr. S. Y. Kulkarni**  
Vice Chancellor  
REVA University



**Registrar**  
**REVA University**  
Bengaluru - 560 064

December, 2019



**Agreement**

BETWEEN

SCHOOL OF ARCHITECTURE, REVA UNIVERSITY

AND

CENTRE FOR SCIENCE AND ENVIRONMENT (CSE)

ON

**TECHNICAL, ADVISORY, KNOWLEDGE AND CAPACITY BUILDING  
SUPPORT FOR SUSTAINABILITY RELATED REFORMS IN  
CURRICULUM**

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REVA University  
Bengaluru - 560 064



December, 2019

This Agreement is being entered into on .....23.....day of January <sup>2020</sup>~~2019~~ between  
**School of Architecture, REVA University**, Rukmini Knowledge Park, Yelahanka Post,  
Bengaluru-560064, Karnataka, represented by the Director, School of Architecture, REVA  
University, on the one part,

And

**Centre for Science and Environment**, located at 41, Tughlakabad Institutional Area, New  
Delhi, 110062 (hereinafter referred to as 'CSE'), legally represented by its Executive Director  
on the other part.

#### BACKGROUND

REVA University was established in Bengaluru, Karnataka State under the Government of Karnataka Act 80 of the year 2012 and notified in the Karnataka the Gazette dated 7 Feb.2013. The University has a sprawling lush green campus spread over 45 acres of land equipped with state-of-the-art infrastructure and conducive environment for higher learning. The founders of REVA University, with a missionary zeal, visionary outlook and philanthropic approach coupled with four decades long entrepreneurial leadership are recognized as leading entrepreneurs creating world class education.

The REVA campus has well equipped laboratories, custom-built teaching facilities, fully air-conditioned library and central computer center, designed specifically to enhance the learning environment. The REVA University offers 24 PG Programs, 21 Degree and Diploma programs in Engineering & Technology, and Science.

The School Of Architecture, REVA University was established in the year 2015. It is recognized by the Council of Architecture, India. Presently the school offers 5 year Bachelors of Architecture Program. A contemporary industry oriented curriculum has been designed to bridge the gap between practice and academia, unique in its offering of the OBE and CAGP and working towards a fully flexible credit system. The school has well equipped Studios, Labs, Audio –Visual lecture-rooms, with forty licensed Design builder soft wares and eighty licensed AutoCAD soft wares. The school has an experienced team of faculty members specialised in Architecture and allied fields, ably supported by well experienced Architects as visiting faculty members

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Bengaluru - 560 064

December, 2019

CSE will assist Faculty of R.U.S.O.A in preparing specific course modules to be offered as mandatory or elective courses in line with model guidelines focused and integrated on sustainable and environment related topics under the existing curriculum.

**1.4 Needs-based Research and Capacity Building :**

Based on mutual need, Institutions shall explore additional ways of collaborating to help strengthen the research and capacities. Activities may include joint research, workshops, seminars and conferences, among other potential areas of cooperation in the field of thermal comfort in affordable housing in Karnataka and furthering sustainable habitats. The details of such arrangement shall be negotiated at the appropriate time on a case-to-case basis and be governed by the relevant approval processes.

**POINT 2: RESPONSIBILITIES**

Both institutions acknowledge the mutual alignment of their institutional vision, mission and values. Both organizations commit themselves to jointly accomplish the goals of the Capacity Building Project.

**2.1 Sharing of information:** Both Faculty of R.U.S.O.A and CSE shall each maintain their respective lawful status with the appropriate authorities for the duration of the Agreement. Either institutions shall keep the other informed of any change whatsoever occurring in the engagement plan which may affect the timely delivery of services and accomplishment of project outcomes.

**2.2 Financial support:** For seminar(s)/workshop(s)/training(s) conducted at R.U.S.O.A campus, CSE will not charge any course fee for the trainings, including field visits (if any), although venue, catering and associated arrangements for hosting such events shall be arranged by R.U.S.O.A.

For long-term viability and sustainability of the Capacity Building Project, Institutions agree to explore and identify respective funding opportunities.

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December, 2019

Centre for Science and Environment (CSE) is a non-governmental, independent policy research institution based in Delhi that was started in 1981 by the late Anil Agarwal, a leading figure in India's environment movement. For more than three decades now, CSE has helped shape policies and build public awareness to bring change in areas of pollution mitigation and public health security, low carbon development, natural resource management and livelihood security to make growth sustainable and inclusive. CSE's Sustainable Building and Habitat Programme is designed to reduce energy and resource consumption, waste generation and emissions from urban development. The programme seeks to promote a collaborative system of research, training and curriculum development in issues related to sustainable development in built environment.

The two institutions agree to jointly promote the cause of sustainable habitat in built sector focusing sustainability in built schemes of buildings and area planning, hence this agreement:

**(POINT 1: Both the parties herein after agree and shall be abided by the following:**

**1.1 Knowledge Partnership:**

CSE will act as the knowledge partner of R.U.S.O.A to help in the inclusion of thermal comfort and sustainability in built environment in the curriculum-. CSE shall assist R.U.S.O.A by providing technical, advisory, knowledge and capacity building support to facilitate handholding in course development and helping build capacities through requisite level of training programmes and workshops for students and faculty.

**1.2 Capacity Building and Training Activities :**

CSE agrees to conduct one to two seminar/trainings/workshop in a calendar year 2020-21 for students and nominated faculty of the R.U.S.O.A. These seminar/trainings/workshops shall be held either at R.U.S.O.A, or at one of the CSE's offices at New Delhi and Anil Agarwal Environment Training Institute (AAETI), a residential research, training and demonstration 'green campus' located in Nimli in District. Alwar, Rajasthan.

**1.3 Development of Course Modules :**

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December, 2019

CSE will assist Faculty of R.U.S.O.A in preparing specific course modules to be offered as mandatory or elective courses in line with model guidelines focused and integrated on sustainable and environment related topics under the existing curriculum.

**1.4 Needs-based Research and Capacity Building :**

Based on mutual need, Institutions shall explore additional ways of collaborating to help strengthen the research and capacities. Activities may include joint research, workshops, seminars and conferences, among other potential areas of cooperation in the field of thermal comfort in affordable housing in Karnataka and furthering sustainable habitats. The details of such arrangement shall be negotiated at the appropriate time on a case-to-case basis and be governed by the relevant approval processes.

**POINT 2: RESPONSIBILITIES**

Both institutions acknowledge the mutual alignment of their institutional vision, mission and values. Both organizations commit themselves to jointly accomplish the goals of the Capacity Building Project.

**2.1 Sharing of information:** Both Faculty of R.U.S.O.A and CSE shall each maintain their respective lawful status with the appropriate authorities for the duration of the Agreement. Either institutions shall keep the other informed of any change whatsoever occurring in the engagement plan which may affect the timely delivery of services and accomplishment of project outcomes.

**2.2 Financial support:** For seminar(s)/workshop(s)/training(s) conducted at R.U.S.O.A campus, CSE will not charge any course fee for the trainings, including field visits (if any), although venue, catering and associated arrangements for hosting such events shall be arranged by R.U.S.O.A.

For long-term viability and sustainability of the Capacity Building Project, Institutions agree to explore and identify respective funding opportunities.

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December, 2019

- 2.3 **Focal Person:** Both institutions shall each assign a designated focal person (Senior Professor from departments and Senior Official from CSE) to provide support to the project, whose duties include supporting the visits of either institutions, or who will also arrange training and logistics for the smooth implementation of the Project.

**POINT 3: LANGUAGE:**

All written correspondence and activities relating to the project shall be transacted in the English Language.

**POINT 4: ACCOUNTABILITY AND COMPLIANCE:**

The said project shall be implemented in line with relevant policies and law of the Government of India, and shall comply with the institutional guidelines of both Institutions. This AGREEMENT is not binding or legal enforceable, does not impose enforceability of obligation upon the institutions and does not grant any rights.

**POINT 5: CONFIDENTIAL INFORMATION AND COPYRIGHT :**

- 5.1 Neither Institution shall disclose confidential information of the other Party to any person or third-Party or use of such confidential information for its own purpose at any time without the written consent of the other Party.
- 5.2 Any idea, innovation, training materials, management processes or documentation arising out of this collaboration shall be the intellectual property of both Institutions. Both Institutions may however use such intellectual materials, but with appropriate acknowledgement to the contributions made by either Party.

**POINT 6: FORCE MAJEURE:**

No Institution covered under this agreement shall be liable for any failure to perform its obligation where such failure is a result of Acts of God, which are here defined as force majeure.

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December, 2019

**POINT 7: DURATION AND TERMINATION:**

This AGREEMENT shall come into effect on the date of signature by both Institutions and shall remain in force for an initial period of one (1) year, unless otherwise terminated by mutual consent, and with 30 days prior written notice to the other Institution.

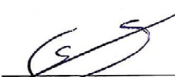
**POINT 8: DISPUTE RESOLUTION:**


Both Institutions agreed that if there is any dispute of difference between both arising out of the Agreement or in the interpretation of any of the provisions thereof, they shall endeavor to meet in an effort to resolve such dispute by discussion, within 30 days of such dispute arising, failing such resolution then the Parties in dispute shall refer at their costs the dispute to a mutually to the senior executive/faculty agreed Institutions.

**IN WITNESS WHEREOF**, the undersigned being duly authorized by their respective Institutions, have signed this Agreement.

.....  
Vice Chancellor  
REVA University  
Bangalore

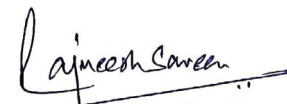
**Anumita Roychowdhury**  
Executive Director  
Centre for Science and Environment  
New Delhi

  
\_\_\_\_\_  
(Signature)


  
\_\_\_\_\_  
(Signature)

23/01/2020  
\_\_\_\_\_  
(Date)

23/01/2020  
\_\_\_\_\_  
(Date)

Witness 1:   
\_\_\_\_\_  
23/01/2020



Witness 2:   
\_\_\_\_\_  
23/01/2020



# REVA UNIVERSITY

Bengaluru, India

School of Electronics & Communication Engineering

## Industrial visit report



Name of the Organization	REVA University, Bengaluru
Date & Timings	5 <sup>th</sup> November 2019 From 10:00am to 12.30pm
No. of Visitors permitted	60 Students + 2 Faculty
Address	CSIR- NATIONAL AEROSPACE LABORATORIES, HAL Airport Road, Kodihalli, Bengaluru-560017

### Detailed Agenda

<p>Visitors' List</p> <p>Greetings &amp; Introduction</p> <p>Visit to various Sections</p>
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Bengaluru - 560 064



**General Guidelines**

1. Please maintain punctuality.
2. Individuals are responsible for their personal belongings.
3. Formal dress & shoes for both Ladies & Gentleman are mandatory.
4. Individual must wear College/Company ID during visit.
5. Usage of Mobile Phones, Laptops and other electronic gadgets inside the premises is prohibited.
6. If you hear any emergency sound during your visit, you are informed to come out of the place and assemble at Safe Assembly Area. Don't use lift during emergencies. You can follow the Emergency Exit symbols to reach out the Safe Assembly Area or ask for assistance of NAL Members.
7. Students shall visit Company's website [www.nal.res.in](http://www.nal.res.in) before the visit for better understanding of our business and achievements.
8. Visitors are requested to mail their feedback / suggestions on completion of the Industrial visit to [director@nal.res.in](mailto:director@nal.res.in).

**Note:**

1. Kindly carry a copy of confirmation letter along with the DD during the visit for completing the official formalities before Visit.
2. Due to unavoidable circumstances the schedule may get Cancelled /Modified.

Vice-Chancellor  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru - 560 064

Director  
School of Electronics &  
Communication Engineering  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka - 560 064

Registrar  
REVA University  
Bengaluru - 560 064



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**REPORT**

The School of ECE had arranged an Industrial Visit to **CSIR- NATIONAL AEROSPACE LABORATORIES, HAL Airport Road, Bangalore** dated on 05/11/2019, for the students of 2nd year (3rd Sem A Section) consisting of around 60 students. Students were accompanied by Dr. Prashanth V Joshi and Prof. Anupama R. The visit commenced at 08:40 a.m. from REVA University campus.

Mr. A Somanarayanan, In-charge, Visits, KTMD CSIR-NAL, Bangalore welcomed the gathering and guided the students with initial presentation of the company and demonstrated the Vision and Mission of the NAL. Students were exposed to knowledge regarding the Wind tunnel Centre, Computerized fatigue test facility to investigating failures and accidents in aerospace. **National Aerospace Laboratories (NAL)**, is India's second largest aerospace firm after Hindustan Aeronautics (HAL). It was established by the Council of Scientific and Industrial Research (CSIR) at Delhi in 1959 and its head quarters was later moved to Bangalore in 1960. The firm closely operates with HAL, DRDO and ISRO and has the prime responsibility of developing civilian aircraft in India. The CSIR-NAL mandate is to develop aerospace technologies with strong science content, design and build small and medium-sized civil aircraft and support all national aerospace programs.

NAL is a high technology-oriented institution concentrating on advanced topics in the aerospace and related disciplines. Originally started as **National Aeronautical Laboratory**, it was renamed **National Aerospace Laboratories** to reflect its major involvement in the Indian space program, its multidisciplinary activities and global positioning. It is India's only civilian aerospace laboratory with a high level of competence and the expertise of its scientists is globally acknowledged. NAL employs a staff of about 2,500 with about 350 full-fledged R&D professionals.

**Mr. Somanarayanan** answered all the queries that students had related to the things they had observed at NAL. He also appreciated the initiative taken up by REVA University for introducing such visits for the young minds and nurturing their careers. Hence, the industrial visit to NAL enriched knowledge to both students and faculty in knowing more about Wind tunnel Centre, Computerized fatigue test facility to investigating failures and accidents in aerospace.

We would like to thank our beloved Chancellor **Dr. P. Shyama Raju Sir** for providing all facility and support to conduct such Events. We also thank Vice Chancellor, **Dr. S.Y. Kulkarni Sir**, Registrar, **Dr. M. Dhananjaya Sir**, Dean, Placement, Training, and Planning **Dr. N. Ramesh Sir**, for their constant support in organizing such events. We thank **Mr. J. Syam Sundar Sarin**, Senior Manager- Corporate Relations and **Prof. Anitha Kumari R D** for their kind support for organizing the Industrial Visit to NAL and also thank our Year-wise Coordinator (2<sup>nd</sup> Year) **Dr. Nayana D K** for her motivation in organizing the Industrial Visit to NAL, Bengaluru.

We also thank our beloved Director, School of ECE **Dr. R.C. Biradar Sir** for his constant support and Guidance.

We also thank all the faculties and technical staffs of School of ECE for their support.

Vice-Chancellor  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru-560 064

Director  
School of Electronics &  
Communication Engineering  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru-560 064

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**Information Learnt:**

**1. Trisonic Wind Tunnel:**



A detailed explanation regarding the Trisonic Wind Tunnel was given to the students. And few models which have been tested were shown along with the images which are taken during the testing time. The following are the features of the Wind Tunnel.

**Working section**

1.2m x 1.2m

**Operation**

Intermittent blowdown

**Test duration**

40 seconds (typical)

**Mach number range**

0.2 to 4.0

**Transonic insert**

Perforated walls, 60° inclined holes at top and bottom with 65% open area, normal holes at sides with 20% open area.

**Stagnation pressure**

1.5 to 8.0 bar

**Reynolds number**

$8 \times 10^6$  to  $60 \times 10^6$  per meter

**Model incidence**

-15° to +27°, continuous and step mode

**Model roll angle**

0° to 360°

**Model side-slip range**

-10° to 10° using TRMS

**Special controls**

Transonic Mach number control, transonic Mach number sweep and pressure sweep.

**Special rigs**

- Captive trajectory system for aircraft store separation studies
- Semi-captive trajectory rig for multi-booster separation studies of launch vehicles
- Forced oscillation rig for dynamic derivative measurements in pitch and yaw
- Jet simulation rig

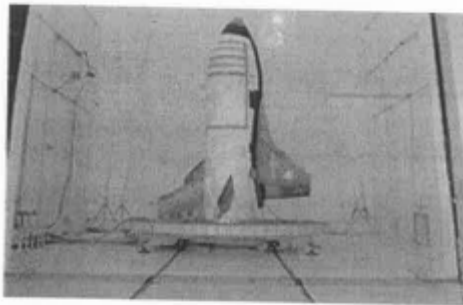


- Roll Damping Rig

**Major test capabilities**

- Force and moment measurements
- Unsteady pressure measurements
- Steady pressure measurements
- Hinge moment measurements
- Air-intake tests
- Half-model support system
- Multi-booster separation studies
- Store carriage and separation tests
- Forced oscillation technique for dynamic derivative measurements in pitch and yaw
- Roll damping derivative measurements
- Aero-elastic testing
- Helmet tests

**2. Acoustic Test Facility: (ATF)**



ATF has a 1100 cubic meter reverberation chamber made of hard reflecting walls to ensure a diffused sound field with broad band characteristics. Noise sources which are coupled to the chamber through horns are supplied with compressed air and modulated by electro-pneumatic transducers producing 120 acoustic Kilo Watt power to obtain a sound pressure level of 157 decibels in the reverberant chamber. The time average of mean square sound pressure level is same everywhere in this reverberation chamber. It has performed more than 3000 acoustic blowdowns and tested more than 100 spacecraft, launch vehicles and its sub systems.

- ATF is a national test facility for acoustic environment qualification testing of satellites, launch vehicles stages and their subsystems and can provide acoustic qualification services for sensitive and space bound hardware.
- ATF provides noise and vibration studies for automobile and electronic equipment manufacturers.
- Specialized acoustic studies for aircraft development projects can be taken up.
- ATF has expertise in turnkey design, development and commissioning of acoustic test facilities for space craft and launch vehicle testing and has designed, built and commissioned a 1500 cu.m facility for the ISRO at Bangalore.

**3. Centre for Civil Aircraft Design and Development:(C-CADD)**

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The Centre for Civil Aircraft Design & Development (C-CADD) is the nodal point of CSIR-NAL, with a mandate to play a lead role in the design and development of small and medium sized civil aircraft, optimally utilizing the available resources. It was set up in the year May 1998.

Core Competencies that exist in C-CADD include Aircraft Design, Configuration aerodynamics, Wind tunnel model design, fabrication and testing, Airframe structural design and stress analysis using conventional as well as state-of-the-art finite element tools, System design and analysis comprising of flight controls, pneumatic, hydraulic, fuel power-plant, environmental control and electrical systems, Kinematic design and analysis, Aircraft Prototype Manufacturing and Inspection, CAD/ CAM, Digital mock-up, kinematic simulation, Tool and Jig Design, CNC programming and Design validation, Manufacturing of components (machined and sheet metal) for airborne application, Manufacturing of precision wind tunnel models, Dimensional Metrology and Certification of Assembly Jigs, Calibration of dimensional measuring instruments and machine tools, Aircraft Assembly, Integration and Flight Testing, Structural Assembly and integration, System level and aircraft level testing, Power plant testing, Electrical Looming, Quality Assurance and Control, Flight Testing and Telemetry Operations, and Flight Data Analysis.

Expertise of C-CADD extends to design, development and manufacture of test rigs to prove concepts in a new aircraft design cycle. An Engine Test Bed has been designed, commissioned and used extensively used for validating modifications on the engine propeller combination, testing of EICAS, throttle sensitivity studies etc. CSIR-NAL has both Design and Production approval under CEMILAC/DGAQA. Expertise exists in C-CADD to develop documented quality system for aircraft design and manufacturing as per requirements of regulatory agencies viz., DGCA, CEMILAC and DGAQA.

Apart from these activities, C-CADD also operates powered hang gliders in its possession and provides first hand training to interested staff and scientists in ab-initio flying training. C-CADD has also successfully developed and demonstrated an airboat using an air propulsion system that can be deployed for the cleaning up weeds from polluted water-bodies.

#### *4. UAV Design and Integration Division*

A dedicated Unit under CSIR-NAL for applied research and product development of all classes of MAVs (Fixed, Rotary and Flapping wing) in India. This bridges diverse research and product oriented approaches to a work force for aerial systems. Comprising of four sub units with specific tasks and targets the MAV UNIT handles problems and delivers solutions through a robust design cycle.

**Design Center:** A group to conceptualize, design, computationally analyze and fabricate prototype aerial systems. High fidelity computational studies and optimization are used for the design and analysis cycle.

**MART (Micro aerial vehicle Aerodynamics Research Tunnel):** A special purpose Low Speed wind tunnel facility for research, testing and analysis of airfoils, MAVs (Fixed, Rotary and Flapping wing MAVs) and fundamental research.

**Avionics & Flight Testing:** Avionics integration, testing, qualification, flight trials and post flight data analysis are carried out by a group to ensure system worthiness.

**Flapping Wing Research Group:** A team to study and understand fundamental flow physics over insect and bird flight and towards next generation bio-inspired aerial systems.

Mr. Roshan explained about the on-going research work and gave an idea about the flying mechanism with a model. Students asked many questions and the resource person was happy to answer the queries. Students had a very good interaction in this division.

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Few books were given as gift to the University.



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**CERTIFICATE**



वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्  
राष्ट्रीय वांतरिक्ष प्रयोगशालाएं  
Council of Scientific & Industrial Research  
**National Aerospace Laboratories**  
सी सी री / PB No. 1770, एयरपोर्ट एक्स्प्रेस रोड / HAL Airport Road, बंगलूरु / Bangalore- 560 017, भारत / INDIA  
फोन / Phone: (रत / Off): +91 - 80 - 2527 3381 - 64, 2608 8030 - 6599, ब्रूरे / Fax : +91 - 80 - 2626 0982, 2627 0670  
वेबसाइट / Website : <http://www.nal.res.in>

KTMD/STUVISITS/2019

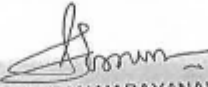
05-11-2019

The HoD,  
ECE Department,  
Reva University,  
Bangalore

Dear Sir/Madam,  
Sub: Visit of BE(ECE) students on 05-11-19  
Ref: your letter mail dt 22-10-2019

This is to certify that BE (ECE) students and faculties from your Institution visited CSIR-National Aerospace Laboratories, Bangalore on 05-11-2019. They visited various facilities as per the programme enclosed and interacted with the scientists during their visit. The students had an interactive discussions and followed by visit to various divisions.

With kind regards,

  
(A SOMANARAYANAN)  
In-charge, Visits &  
Principal Technical Officer  
Knowledge and Technology  
Management Division

Cc: Mr. J Shyam Sundar Sarin,  
Senior Manager-Corporate Relations,  
Reva University, Bangalore



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REVA University  
Bengaluru - 560 064



CSIR-National Aerospace Laboratories  
Bangalore

A batch of 60 students and faculties from Reva University, Bangalore is visiting NAL on 05-11-2019. Their programme is as follows:-

- Visits:-
- 09.30 am NAL Video show at KTMD Seminar Hall
  - 10.00 am Advanced Composites Division
  - 11.00 am 2 feet Trisonic Wind Tunnel
  - 11.30 am Acoustic Test Facility
  - 12.15 pm HANSA Aircraft
  - 03.00 pm Visit concludes

Concerned Hods are requested to depute a scientist to explain the various activities to the visitors.

(A SOMANARAYANAN)  
Principal Technical Officer  
In-charge Visits, KTMD  
Off: 6136/ Cell: 9740199555

Vice-Chancellor  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru-560 064

Director  
School of Electronics &  
Communication Engineering  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru - 560 064

Registrar  
REVA University  
Bengaluru - 560 064

PHOTOS





**FW: REVA ECE students industry visit to NAL**

SMCR <smcr@reva.edu.in>

Mon 04/11/2019 11:27

To: Anitha Kumari R D <anithakumari.rd@reva.edu.in>

Cc: Dr. Kulkarni S Y <vc@reva.edu.in>; Dr. Dhananjaya M <registrar@reva.edu.in>; Dr. N Ramesh <dean.tpp@reva.edu.in>; Dr. R C Biradar <rcbiradar@reva.edu.in>; Anupama R <anupama.r@reva.edu.in>; Prashant V Joshi <prashanthvjoshi@reva.edu.in>; Col Nataraj Kuppasad <natarajk@reva.edu.in>; Lakshmanan G <lakshmanan.g@reva.edu.in>

Dear Prof Anitha Kumari,

Greetings for the day !!!

I am forwarding the confirmation mail of **National Aerospace Laboratories NAL** for industry visit on **05-11-2019** from **9 AM to 12 NOON** for your kind reference.

Ensure all **NAL** instructions as mentioned in the mail & displayed in the premises should strictly adhered during industry visit. **Strictly Mobile Phones are not allowed inside the campus.**

All students must & should wear **REVA T-Shirts & Shoes** along with their **Identity Card** without which students will not be allowed to board in the bus itself.

Each & every student should go through **NAL Website**: <https://www.nal.res.in/en> before visit.

Proper training should be provided to students so that they will put appropriate Questions during their site visit.

For bus transport facility please co-ordinate with Mr. Lakshmanan DGM Transportation accordingly.

After industry visit please send industry visit report on or before **08-11-2019**.

Thanks & Regards,

**J. Syam Sundar Sarin**  
**Senior Manager- Corporate Relations**  
**REVA UNIVERSITY**  
Website : [www.reva.edu.in](http://www.reva.edu.in)  
E mail - [smcr@reva.edu.in](mailto:smcr@reva.edu.in)  
Mobile : 9980034250

Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru - 560064  
Ph : 080-66226622, EXT: 238 Fax : 080-28478539

Vice-Chancellor  
REVA University, Rukmini Knowledge Park  
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Director  
School of Electronics &  
Communication Engineering  
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Registrar  
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Bengaluru - 560 064



**E mail** - [smcr@reva.edu.in](mailto:smcr@reva.edu.in)  
**Mobile** : 9980034250

Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru - 560064  
Ph : 080-66226622, EXT: 238 Fax : 080-28478539

**From:** soman@nal.res.in [mailto:soman@nal.res.in]  
**Sent:** 24 October 2019 16:41  
**To:** SMCR <[smcr@reva.edu.in](mailto:smcr@reva.edu.in)>  
**Subject:** RE: REVA ECE students industry visit to NAL

ok sir.  
regards  
soman

On 10/24/19 02:48 PM, SMCR <[smcr@reva.edu.in](mailto:smcr@reva.edu.in)> wrote:

Dear Sir,

Greetings of the day !!!

As discussed & confirmed we are enclosing the ECE 60 students & 2 Professors details as attachment for your kind reference.

We will plan our industry visit to NAL on **05-11-2019** as per the below mentioned guidelines mail.

Thanks for your support in this regard.

Thanks & Regards,

**J. Syam Sundar Sarin**  
**Senior Manager- Corporate Relations**  
**REVA UNIVERSITY**  
**Website :** [www.reva.edu.in](http://www.reva.edu.in)  
**E mail -** [smcr@reva.edu.in](mailto:smcr@reva.edu.in)  
**Mobile :** 9980034250

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**REVA University**  
Bengaluru - 560 064



From: [soman@nal.res.in](mailto:soman@nal.res.in) [mailto:[soman@nal.res.in](mailto:soman@nal.res.in)]  
Sent: 22 October 2019 16:25  
To: SMCR <[smcr@reva.edu.in](mailto:smcr@reva.edu.in)>  
Cc: NALJyothi <[jyothigururaj@nal.res.in](mailto:jyothigururaj@nal.res.in)>  
Subject: Re: REVA ECE students industry visit to NAL

KTMD/STUVISITS/2019

22-10-2019

Shri J. Syam Sundar Sarin

Senior Manager- Corporate Relations

REVA UNIVERSITY

Rukmini Knowledge Park

Kattigenahalli, Yelahanka, Bengaluru – 560064

Dear Sir/Madam,

Sub: Visit of BE(ECE) students on 05-11-2019

Ref: Mail dt 22-10-2019

This has reference to the letter/mail dated 22-10-19. We will be happy to organize a visit for your BE(ECE) students and faculties to National Aerospace Laboratories, Bangalore on 05-11-19 from 9.00 am to 12.00 noon.

Kindly note the following:-

- 1) Kindly report to our reception at our Main campus (kodi halli campus) which is located on the old airport road opposite to Manipal hospital and adjacent to Leela Palace hotel (google map location see for Leela Palace Hotel). **Never see the google map for route for NAL as it will show the other campus which is 5 kms away.** There may be lot of traffic problems on the way to NAL, kindly ensure enough buffer time to be 15 minutes to reach before the appointed time to enable us to conduct the programme as per the schedule.
- 2) For Security reasons electronics items, cell phones, cameras, laptops etc. are prohibited inside the campus.
- 3) **Kindly send us the names of students and faculties who will be visiting, for arranging security clearance. Kindly note that foreigners are not permitted for the visit.**
- 4) All students and faculties are requested to carry their ID cards.
- 5) **One of the accompanying faculty is requested to carry a valid ID proof like aadhar or driving licence etc.**
- 6) Kindly give the cell number of the contact person who will be accompanying the students, for coordinating purposes.
- 7) **Kindly ensure that the students have their breakfast/lunch and brought for the visit or else they feel tired/ sick and may not be able to concentrate on the visit.**

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- 8) Try to avoid bringing unwell students as it may be difficult for us to conduct the visit.  
9) Since we are located in 2 different places separated by a distance of 5 kms, you are requested to make transport arrangement to visit both places without which it is not possible to visit various important facilities.  
10) Due to unforeseen reasons visit may be cancelled in the last minute and hence requested to reconfirm the visit on the prior to the day visit.  
11) On the date visit concerned co-ordinator is requested to contact me at the time of starting the visit for arranging the visit.  
11) Students below the age of 12 will not be permitted.

Kindly note that no agents are involved in organizing the visits and no fee is charged for the visits.

With kind regards,

(A SOMANARAYANAN)  
In-charge, Visits, KTMD  
CSIR-NAL, Bangalore  
Off: 080 25086136 cell: 9740199555

On 10/22/19 02:38 PM, SMCR <[smcr@reva.edu.in](mailto:smcr@reva.edu.in)> wrote:

Dear Mr.Somnarayan,  
Greetings from REVA University!!!

As discussed we require industry visit to NAL for ECE 3<sup>rd</sup> Semester students on 05-11-2019.  
In this regard we are enclosing the request letter as attachment for your kind reference.

Please confirm accordingly  
Thanks & Regards,

**J. Syam Sundar Sarin**  
Senior Manager- Corporate Relations  
REVA UNIVERSITY  
Website : [www.reva.edu.in](http://www.reva.edu.in)  
E mail - [smcr@reva.edu.in](mailto:smcr@reva.edu.in)  
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Kattigenahalli, Yelahanka, Bengaluru - 560 064

  
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Bengaluru, India  
Established as per the section 2(f) of the UGC Act, 1956,  
Approved by AICTE, New Delhi

## SCHOOL OF ELECTRONICS AND COMMUNICATION ENGINEERING

### Report on Industrial Visit

**Industry: Vikram Sarabhai Space Center, Indian Space Research Organization (ISRO),  
Thiruvanthapuram, Kerala**

**Date: 18/09/19**

**Participants: 43 Students, 5<sup>th</sup> SEM, School of ECE**

**Faculties: Prof. Ravi Shankar D  
Mr. Naveen Kumar M K**



The School of ECE organized an industrial visit to **Vikram Sarabhai Space Center (VSSC), ISRO, Thiruvanthapuram, Kerala** on 18/09/2019, for 43 students belonging to 3<sup>rd</sup> year (5<sup>th</sup> Semester) ECE. These students were accompanied by faculty members **Prof. Ravi Shankar D** and **Mr. Naveen Kumar M K**. The visit commenced at 11 am, where series of formalities were undertaken by the military officials from the entrance gate to the respective venue.

The VSSC is one of the major research and development establishments within ISRO. VSSC is an entirely indigenous facility working on the development of sounding rockets, the Rohini and Menaka launchers, and SLV, ASLV, PSLV, GSLV and GSLV Mk III families of launch vehicles.

Its first act was the establishment of the **Thumba Equatorial Rocket Launching Station (TERLS)** at Thumba, in Thiruvananthapuram. Thumba was picked as the launch site for sounding rockets for meteorological and upper atmospheric research due to its location on the geomagnetic equator.

Every third Wednesday of each month, VSSC at TERLS launches Sounding Rockets.

**Mr. Jaya Prakash, Sr. Scientist, VSSC, ISRO**, welcomed the gathering and guided the students to

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VSSC. Students witnessed the Launch of RH200 Sound Rocket at TERLS.

At the Control Center, demo video of Initial Sound rocket was shown and the models of all the Sound Rockets are explained.

**Mr. Jaya Prakash** and his Team answered all the related queries of the students which they observed at VSSC, ISRO.

REVA Team also visited the Space Museum at TERLS and witnessed many models of Initial satellites and Rockets.

VSSC appreciated the initiative taken up by **REVA University** for introducing such visits for the young minds and nurturing their careers. Hence, the industrial visit to VSSC, ISRO enriched knowledge of both students and faculty members to increase the know how about Meteorological and Communication Rockets and their Launching.

On behalf of School of ECE we would like to thank our Honorable Chancellor **Dr. Shyama Raju Sir**, Vice Chancellor **Dr. S. Y. Kulkarni Sir**, Registrar **Dr. M. Dhanamjaya Sir**, Dean, Placement, Training, and Planning **Dr. N. Ramesh Sir** for their continuous support.

We thank **Mr. J. Syam Sundar Sarin**, Senior Manager- Corporate Relations, RU for his all kind of support for organizing the Industrial Visit to VSSC and also thank our Year-wise Coordinator(3rd Year) **Dr. G. Chikala Madam**, and Industry Visit Coordinator **Prof. Anitha Kumari R.D**, School of ECE for their contribution in arranging for Industrial Visit to VSSC.

We extend our heartfelt thanks to our beloved Director School of ECE **Dr. Rajashekhar C. Biradar Sir** for his continuous encouragement, motivation and support.

The POs mapped are: PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12



  
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Director  
School of Electronics &  
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Kattionahalli, Yelahanka, Bengaluru - 560 064

  
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## SCHOOL OF ELECTRONICS AND COMMUNICATION ENGINEERING

### Report on Industrial Visit

**Industry: M/s. Titan Pvt. Limited, Hosur, Tamilnadu.**  
**Date: 21/09/19**

**Participants: 31 Students, 5<sup>th</sup> Sem, B sec, School of ECE**

**Faculties: Prof. Ravi Shankar D**  
**Mr. Nandhan S R**



The School of ECE organized an industrial visit to **M/s. Titan Pvt. Limited, Hosur, Tamilnadu** on 21/09/2019, for 31 students belonging to 3<sup>rd</sup> year (5<sup>th</sup> Semester) ECE. These students were accompanied by faculty members **Prof. Ravi Shankar D** and **Mr. Nandhan S R**. The visit commenced at 3pm, where series of formalities were undertaken by the security officials from the entrance gate to the respective venue.

The Titan is one of the major industries in **Watch production**. Students were taken to the following operational plants.

1. Movement plant
2. Assembly plant
3. Electroplating plant
4. Shining plant
5. Production plant

During the visit students were exposed to knowledge regarding the various major components and sub components of the Watch. Novel method of the Electroplating of the watch cases, manual and automatic assembly of subcomponents of watch using the pressing methods and adoption of 5S methods in watch industry etc.

On behalf of School of ECE we would like to thank our Honorable Chancellor **Dr. Shyama Raju Sir**, Vice Chancellor **Dr. S. Y. Kulkarni Sir**, Registrar **Dr. M. Dhanamjaya Sir**, Dean, Placement, Training, and Planning **Dr. N. Ramesh Sir** for their continuous support.

We thank **Mr. J. Syam Sundar Sarin**, Senior Manager- Corporate Relations, RU for his all kind of support for organizing the Industrial Visit to VSSC and also thank our Year-wise Coordinator(3<sup>rd</sup> Year) **Dr. G.**

  
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Director  
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REVA University, Rukmini Knowledge Park  
Kattipanehalli, Yelahanka, Bengaluru - 560 064

  
Registrar  
REVA University  
Bengaluru - 560 064

**Seshikala Madam**, and Industry Visit Coordinator **Prof. Anitha Kumari R.D**, School of ECE for their contribution in arranging for Industrial Visit to VSSC.

We extend our heartfelt thanks to our beloved Director School of ECE **Dr. Rajashekhar C. Biradar Sir** for his continuous encouragement, motivation and support.





REVA University  
School of Electronics & Communications Engineering  
5<sup>th</sup> Semester B-1 Section Students  
Industrial Visit to Titan Company Limited on 21-09-2019

Sl. #	SRN	Student Name	Signature
1	R17EC053	BRINDA P	Brinda
2	R17EC054	CHADAVALA SAI NIHARIKA	Mharika
3	R17EC057	CHUNCHU KARTHIK	Karthik
4	R17EC058	DAGUDU SUPRIYA	Brinda
5	R17EC061	DAYANAND P	Dayananda
6	R17EC065	DEVARSETTY VENKATA SREE CHARAN	Charan
7	R17EC066	DHANUNJAYA JAHAVI	Jahavi
8	R17EC067	DHANUSH C	Dhanush C
9	R17EC074	DUDEKULA ROSHINI	Roshini
10	R17EC075	DUDEKULA SAIKUMAR	Sai
11	R17EC077	DWARSALA RAMANJANEYULA REDDY	Dwar
12	R17EC078	EDAGOTTI KALPANA	Edagotti
13	R17EC081	EDIGA INDU MEGHANA	Meghana
14	R17EC087	GANGULA SHANMUKHA SRINIVASA REDDY	Shanivas
15	R17EC091	HARI PRASHANTH P	Prashanth
16	R17EC092	HARISH KUMAR GOWDA B H	Harish
17	R17EC095	HARSHITHA M	Harshitha M
18	R17EC101	INJETI SAMARA SIMHA REDDY	Samara
19	R17EC103	JAISANKAR B	Jaisankar
20	R17EC105	M BALAJI	Balaji
21	R17EC106	MARAMREDDY SATISH REDDY	Satish
22	R17EC107	VENKATA BHANU MANOJ MEDA	Bhanu Manoj
23	R17EC108	YARAMALA SRI SARAYU	Sarayu
24	R17EC194	NISHANT B	Nishant
25	R17EC197	NITIN HEGDE	Nitin
26	R17EC198	NIVEDITHA V R	Niveditha
27	R17EC226	PRITHVIRAJ S R	Prithviraj
28	R17EC326	VARADA NAVEEN	Naveen
29	R18EC804	DARSHINI B J	Darshini B J
30	R18EC805	DEEPAK R	Deepak R
31	R18EC807	DINESH M	Dinesh M
32	R18EC809	GIRISH M V	Girish M V
33	R18EC816	MAYANK SHARMA	Mayank Sharma

Faculty Coordinators:

- 1) Prof. Ravi Shankar D M:9743508318  
ravishankard@reva.edu.in
- 2) Mr. Gopi K M:9741476991

Bus Route No:

Bus Driver Name :

M:

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REVA University  
Bengaluru - 560 064



REVA University, Bengaluru

School of Electronics & Communication Engineering

5<sup>th</sup> Semester Students

Industrial visit to Vikram Sarabhai Space Centre

SL NO	SRN	NAME	AGE	ADHAR CARD NUMBER	SIGNATURE
1	R17EC176	GOOTY MOHAMMED MUHAFEEZ	20	7956 1826 2996	Muhafeez
2	R17EC219	PRAMODKUMAR	20	398414676800	Prasad
3	R17EC200	P.CHIKITA	20	6096 4935 6117	P.Chikita
4	R17EC195	NITESHKUMAR T	20	681502696987	Nite
5	R17EC135	KAVYA H S	20	811732081518	Kavya H S
6	R17EC147	THANUSHRIMG	20	955926034230	Thanushrimg
7	R17EC121	JHENKAR M S	20	580381918177	Jhenkar M S
8	R17EC356	SAILIKHITHAREDDY C	20	249558798897	Sails
9	R17EC133	KARTHIK R G	20	438592723129	Karthik R G

Registrar

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Bengaluru - 560 064



10	R17EC160	MEGHANA.G.RAJ	20	526767612138	Meghana G. Raj
11	R17EC218	PRAJWAL P	20	361011201984	Prajwal
12	R17EC228	R POOJA SRI	20	471803944798	Pooja
13	R17EC178	MANOJ SK	20	578948549312	Manoj
14	R17EC366	R JAYASURYA	20	651877349965	Jaya
15	R17EC292	ASHOK S	20	706894510721	Ashok S
16	R17EC174	GAGANA V	20	3302 8542 9734	Gagana
17	R17EC272	SANKA HITESH ANRUDH	20	569639952255	Bank
18	R17EC083	G M NEHA	20	604501828777	Neha
19	R18EC213	POOJA K	20	3716 9398 3123	Pooja
20	R17EC215	POORVIKA.M.S	20	937123992776	Poojika
21	R17EC074	DUDEKULAROSHNI	20	630954435458	Dudde
22	R17EC149	M SAJAMRUTHA	20	445035025236	M Sai Amrutha
23	R17EC126	SIVANANDKARANAM	20	739445088072	Sivanand Kumar
24	R17EC211	POCHAAAKASH REDDY	20	645920414530	P Arkaash Reddy
25	R17EC297	NIKITHA N	20	890136629509	Nikitha
26	R17EC111	NAGADITHYA B	20	680810781069	B Nagadithya

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27	R17EC222	PRATEEK R	20	953713838316	<i>Prateek</i>
28	R17EC128	PADMAKARKOUSHIK	20	4816 9014 7698	<i>V. Padmaka</i>
29	R17EC129	HARINATH	20	627062477801	<i>K. Harinath</i>
30	R17EC117	JASPER VARUN T	20	353683891339	<i>Jasper Varun</i>
31	R17EC192	NIRANJAN C	20	527611078712	<i>Niranjan</i>
32	R17EC114	GAGAN.V	20	207602150345	<i>Gagan</i>
33	R17EC214	POONAMBEHERA	20	656208317764	<i>Poonam</i>
34	R17EC191	NIHARIKA B C	20	464433780115	<i>Niharika</i>
35	R17EC066	DHANUNJAYAJAHNAVI	20	678715184686	<i>Dhanunjay</i>
36	R17EC230	TEJASWINI N	20	314543373910	<i>Tejaswini</i>
37	R17EC217	PRACHI SINGH	20	804221721208	<i>Prachi</i>
38	R17EC275	SATHISHKUMARA	20	662786299221	<i>Sathish</i>
39	R17EC276	SHAHID KHAN A	20	996661971905	<i>Shahid</i>
40	R17EC212	P ABHILASH REDDY	20	472574161135	<i>P. Abhilash</i>
41	R17EC220	PRANITHA.P	20	408463279330	<i>Pranitha</i>
42	R17EC351	ANKITH JASON MANOHAR	20	522745507168	<i>ANKITH JASON</i>
43	R17EC352	BHARATHYUVARAJ	20	455353608126	<i>Bharathyuvaraj</i>

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44	R17EC349	ABHISHEK.G.ATHREYASA	20	213565917681	<i>Abhishek</i>
45	R17EC109	ACHYUTH B ACHARYA	20	412974682924	<i>Achyuth</i>
46	R17EC170	RASHMI R	20	484078266871	<i>Rashmi.R</i>
47	R17EC223	PRATHAB S	20	287126955221	<i>Prathab</i>
48	R17EC361	EZEKIEL JULIAN PRATAP	20		<i>Ezekiel</i>
49		BHUVANESH C	20		
	R17EC354	KORLAHALLI		419159669197	<i>Korlahalli</i>
50	R18EC812	JYOTI MAGAJI	20	866280664674	<i>J.M. magaji</i>
51	R17EC181	M. RAHUL KUMAR REDDY	20	350828448599	<i>M. Rahul</i>

Group Leader:

1. Prof.M: RAVISHANKAR D *Dr*

E mail :-ravishankard@reva.edu.in

Mobile No : 7019045274

2. Mr Navan Kumar M.K

Bus Route No :

Bus Driver Name :

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## SCHOOL OF ELECTRONICS AND COMMUNICATION ENGINEERING

### Report on Industrial Visit

**Industry:** OWARI PRECISION PRODUCTS India (OPPI) PVT.LTD.  
TOYOTA TECHNO PARK, Bedadi, Karnataka

**Date:** 24/09/19

**Participants:** 29 Students, 5<sup>th</sup> Semester 'E' section, School of ECE

**Faculties:** Asst. Prof. Neethu K N

Asst. Prof. Vinay N A



The School of ECE organized an industrial visit to **OWARI PRECISION PRODUCTS India (OPPI) PVT.LTD.** on 24/09/2019, for 29 students belonging to 3<sup>rd</sup> year (5<sup>th</sup> Semester) ECE. These students were accompanied by faculty members **Asst. Prof. Neethu K N** and **Asst. Prof. Vinay N A**. The visit commenced at 11:20 pm, where series of formalities were undertaken by the security officials from the entrance gate to the respective venue.

The OPPI is one of the major industries in **Automobile Gear System Manufacture** mainly for **Maruthi Suzuki and TOYOTA**. Students were taken to the following operational plants.

1. Shaft Fork plant
2. Spacer plant
3. Synchronizer Ring plant
4. Transmission Shaft plant

During the visit students were asked to assemble in Training Room in the Industry. Technical head gave brief introduction of OPPI. Further in the Presentation, they showcased the Production details of the various Product that are being Manufactured in their Unit. Students were divided into two groups. Each of these two groups were led by a technical head toward different production plant. The Production plant contained Forging Machine, CMM Machine, and Quality Assurance Machine. We were given Demonstration of these Machines. These are the following machines manufactured by OPPI.

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**Shaft Fork**



**Transmission Shaft**



**Synchronizer Ring**



**Spacer**



On behalf of School of ECE we would like to thank our Honorable Chancellor **Dr. Shyama Raju Sir**, Vice Chancellor **Dr. S. Y. Kulkarni Sir**, Registrar **Dr. M. Dhanamjaya Sir**, Dean, Placement, Training, and Planning **Dr. N. Ramesh Sir** for their continuous support. We thank **Mr. J. Syam Sundar Sarin**, Senior Manager- Corporate Relations, RU for his all kind of support for organizing the Industrial Visit to OPPI.

We extend our thanks to our beloved Director **Dr. Rajashekhar C. Biradar** for his continuous encouragement, motivation and support and Industry visit coordinator **Prof. Anitha Kumari R.D.**, School of ECE for their contribution in arranging for Industrial Visit.

  
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Director  
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Kattigenahalli, Yelahanka, Bengaluru - 560 064

  
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UNIVERSITY

Bengaluru, India



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**CSIR-National Aerospace Laboratories  
Bangalore**

A batch of 65 students and faculties from REVA University, Bangalore is visiting NAL on 29-01-2020. Their programme is as follows:-

Visits:-

- 09.30 am NAL Video show at KTMD Seminar Hall
- 10.00 am Advanced Composites Division
- 11.00 am 2 feet Trisonic Wind Tunnel
- 11.30 am Acoustic Test Facility
- 11.50 am UAV Design and Integration Division
- 12.15 pm HANSA Aircraft
- 12.30 pm Visit concludes

Concerned Hods are requested to depute a scientist to explain the various activities to the visitors.

(A SOMANARAYANAN)  
Principal Technical Officer  
In-charge Visits, KTMD  
Off: 6136/ Cell: 9740199555

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Bengaluru - 560 064



School of Electronics & Communication Engineering  
4<sup>th</sup> Semester Students

Industrial Visit to National Aerospace Laboratories (NAL), 29-01-2020

Sl.No	SRN	Student Name
1	R17EC110	BANDI JEEVAN
2	R17EC206	PEDAPROLU SAI CHANUKYA
3	R18EC150	KUNAL ACHARYA
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27	R18EC334	VARSHA C S
28	R18EC335	VARSHINI V
29	R18EC336	VARUN BANDER M
30	R18EC337	VASI HEMANTH
31	R18EC338	VIDYASHREE H R
32	R18EC339	VIGNESH C S

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60	R19EC850	SUJITH R

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**School of Electronics & Communication Engineering**  
**Report on Industrial Visit**

Respected All,

It is pleasure to inform you all that The School of ECE had arranged an Industrial Visit to **Axis Global Institute of Industrial Training** No. 28, second floor, 10th B Main Rd, above Lakshmi silks, 4th Block, Jayanagar, Bengaluru, Karnataka 560011, IV B section 42 students. Dated on **16/01/2020**, for the students of 2<sup>nd</sup> year (4<sup>th</sup> Sem B Section) consisting of around 57 students. These students were accompanied by **Dr. Venkateshappa and Prof. Nirmalkumar S. Benni**. The visit commenced at 9.00 am in the Morning.

Mr.ParushuRam Application Engineer, Bangalore welcomed the gathering and guided the students with initial presentation of the company and demonstrated the Vision and Mission of the AGIIT. Students were exposed to knowledge regarding the PLC, ROBOTICS, SCADA, SERVO & Field instruments.

Priya Prakash HRManager and Mr. Vishal Application Engineers are demonstrated and Explained working principals of the below systems.

**PLC:** A solid state device that controls output devices based on input status and a user developed program.



**Input Devices:**

- Pushbuttons
- Selector Switches
- Limit Switches
- Level Switches
- Photoelectric Sensors

**Output Devices:**

- Valves
- Motor Starters
- Solenoids
- Control Relays
- Alarms
- Lights
- Fans

**Programming Languages in PLC:**

- Ladder diagram
- Instruction list
- Structured text
- Functional block diagram
- Sequential flow chart

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**PLC Advantages:**

- Ease of programming
- Ease of maintenance
- Designed for industrial environment
- Quick installation
- Adaptable to change

**HMI/MMI:**

- Human/Man Machine Interface.
- Graphics based Visualization of an industrial control and monitoring system.
- It can communicate with DCS, PLC, and SCADA.

**SCADA:**

- S - Supervisory
- C - Control
- A - and
- D - Data
- A - Acquisition

**Advantages of SCADA:**

- Record very large amount of data
- Minimum fault response time
- More no. of sensors can be connected
- Maximize equipment life time
- Maximize safety- Public & Site
- Reduce man power

**Variable Frequency Drives (VFD):**

- Controlling the rotational speed of an AC motor by Voltage/ frequency ratio.

**ROBOTICS:**

“An Automatic machine that replaces human effort, though it may not resemble human beings in appearance or function of a humanlike manner”.

**ROBOTICS APPLICATIONS:**

- Pick & place(packaging & palletizing)
- Painting
- Welding
- Cutting
- Injection/molding
- Testing, production inspection.

POs Mapped: PO6, PO7, PO8, PO9, PO10, PO11, PO12

We would like to thank our beloved Chancellor **Dr. P. Shyama Raju** Sir for providing all facility and support to conduct such Events. We also thank Vice Chancellor **Dr. S.Y. Kulkarni** Sir, Registrar **Dr. M. Dhanamjaya** Sir, Dean, Placement, Training, and Planning **Dr. N. Ramesh** Sir for their constant support in organizing such events. We thank Prof **Anithakumari R D** for their kind support for organizing the Industrial Visit to AGIIT and also thank our Year-wise Coordinator (2<sup>nd</sup> Year) **Dr. Nayana D.K**, School of ECE for her motivation in organizing the Industrial Visit to AGIIT, Bengaluru.

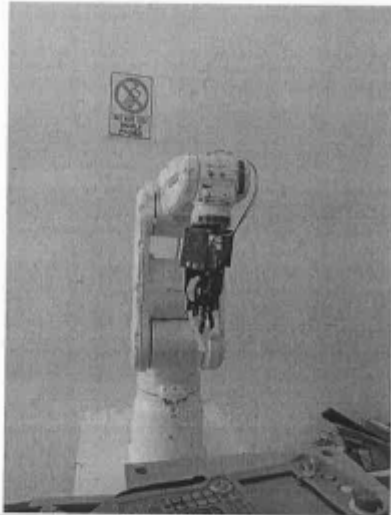
We also thank our beloved Director, School of ECE **Dr. R.C. Biradar** Sir for his constant support and Guidance.

We also thank all the faculties and technical staffs of School of ECE for their support.

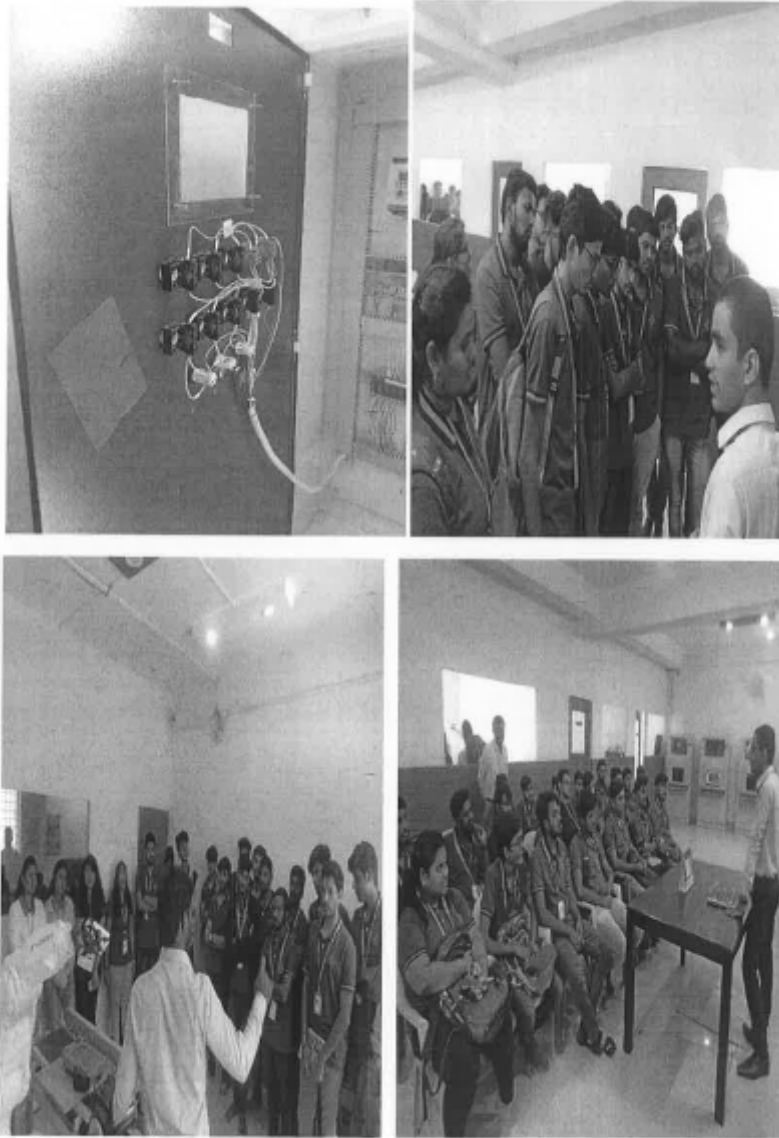
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Concerned Hods are requested to depute a scientist to explain the various activities to the visitors.

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School of Electronics & Communication Engineering  
4<sup>th</sup> Semester Students

Industrial Visit to National Aerospace Laboratories (NAL), 29-01-2020

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**School of Electronics & Communication Engineering**  
**Report on Visit to CoreEL Technologies, Bengaluru**

**DATE: 29-02-2020**

**Number of students: 25**

**Faculty: Prof. Anilkumar.C.S, Prof. Divya.M.N, Prof. Sowmya.C.H, Prof. Jyothy.S.T,  
Prof. Anithakumari.R.D**

The School of Electronics and Engineering, organized an Industrial visit to **CoreEL Technologies, Koramangala, Bangalore-560034 on 29/02/2020** for final year students.

CoreEL Technologies is a Customer Application Specific Product & Solutions (CASPS) company offering **innovative** solutions, ranging across Intellectual Property (IP) cores, Design & Development, -System Design & Prototype Development, Next-Generation Digital products, Integrated solutions, Low Volume Manufacturing, System Upgrades and Obsolescence management, EDA tools, COTS products, Semiconductor solutions and Technology Training. They are a leading developer of advanced electronic system level products and solutions to three primary areas – **Aerospace & Defence, Digital Media Broadcast and Universities & Institutions of higher learning.**

Mr. Arun Mathias, Manager, Training Division of CoreEL Technologies welcomed the gathering and guided the students with initial presentation of the company and demonstrated the Vision and Mission of the CoreEL technologies. Students were exposed to knowledge regarding the Verilog and system Verilog using vivado software. Hands on practical session for the duration of 3 hours was provided to work with Vivado software.

We would like to thank our beloved Chancellor **Dr. P. Shyama Raju Sir** for providing all facility and support to conduct such Events. We also thank Vice Chancellor **Dr. S.Y. Kulkarni Sir**, Pro Vice Chancellor, **Dr.Y.Lakshman Kumar Sir**, Registrar **Dr. M. Dhanamjaya Sir**, Dean, Placement, Training, and Planning **Dr. N. Ramesh Sir** for their constant support in organizing such events.

We extend our special thanks to our beloved Director **Dr.Rajashekar C. Biradar**, **Dr. Seeta Rama Raju**, **Dr. Arunachal M**, **Dr. G. Seshikala** and **Dr.Venkata Siva Reddy** for their

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**Bengaluru - 560 064**



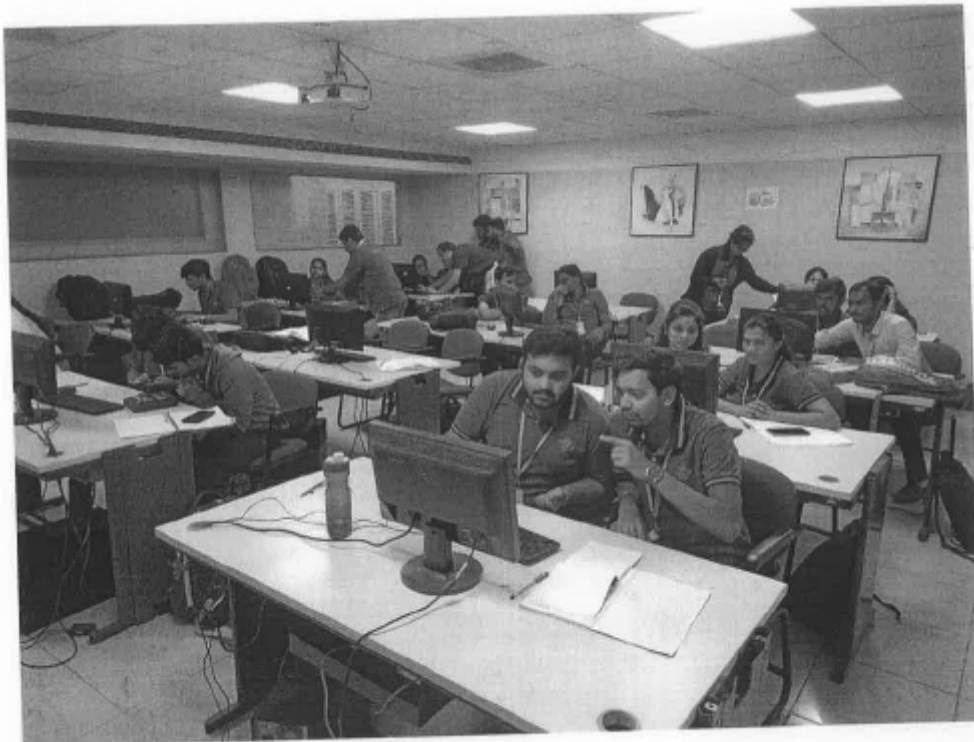
continuous support, encouragement and motivation. We extend our special thanks to our Dean – Research & Innovation Council –REVA University, Dr. B.P.Divakar for continuous support.



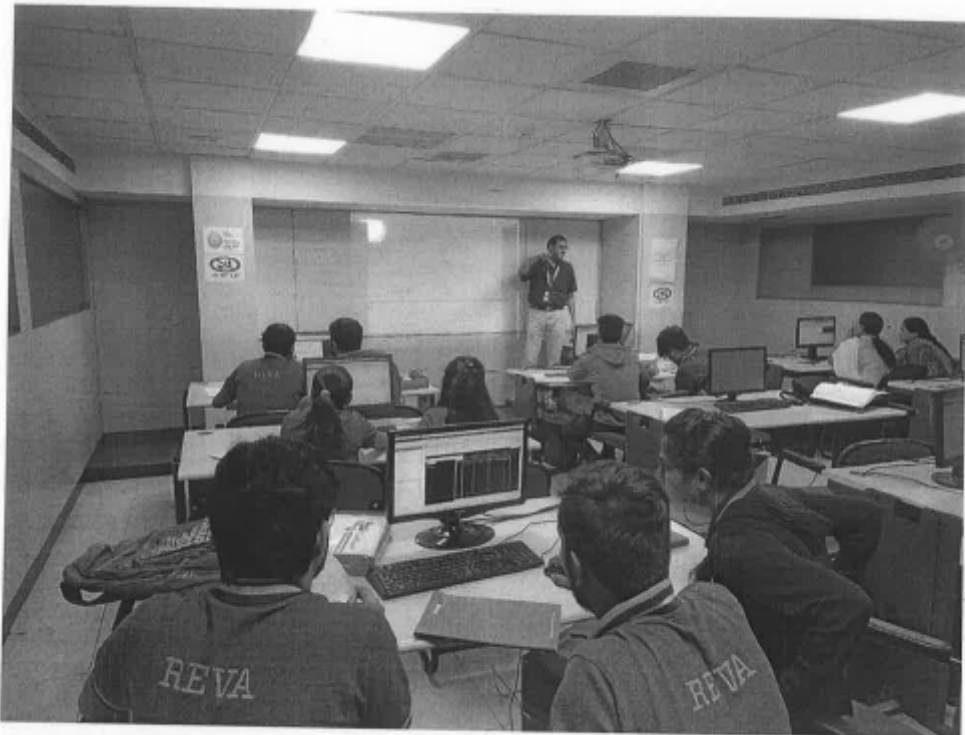
Vice-Chancellor  
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Kattigenahalli, Yelahanka, Bengaluru-560 084

Director  
School of Electronics &  
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Kattigenahalli, Yelahanka, Bengaluru - 560 084

Registrar  
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Bengaluru - 560 064



**School of Electronics & Communication Engineering**  
**UG & PG students**  
**Industrial visit to coreEL Technologies**  
**DATE:29-02-2020**

Sl.No	SRN	NAME	Signature
1	R16EC004	ABDUL JUNAID A	
2	R16EC005	ABHI BHARADWAJ	
3	R16EC229	SADATH NABEEL R	
4	R16EC144	MANOJ KUMAR	
5	R16EC134	LOKESH M	
6	R16EC139	MAHESH B	
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9	R16EC195	PRAMOD KALYAN P	
10	R16EC355	NEERAJ ROSHAN	
11	R16EC356	NIKHIL R BHARDWAJ	
12	R16EC155	MONIKA B O	
13	R16EC157	MONISHA D P	
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15	R16EC066	CHILMAKURU AMOGHSAI	
16	R17EC801	AMARNATH D K M	
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31	R17EC824	NAGENDRA K G	
32	R16EC360	SANJEEV KUMAR	
33	R16EC367	SUNAINA KAMAT	
34	R17EC802	AMAR	
35	R16EC154	MOHAN KUMAR	
36	R17EC811	HARSHA B.S	
37	R17EC808	GAGAN REDDY	
38	R17EC844	YESHASWINI	

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REVA UNIVERSITY, BENGALURU  
School of Electronics & Communication Engineering  
Third semester 'A' section students  
Industrial visit to National Aerospace Laboratories (NAL)  
DATE: 05-11-2019

SL.NO	SRN	NAME	Signature
1	R18EC001	A G ANJU	A G Anju
2	R18EC002	A JEEVITHASHREE	A Jeevithashree
3	R18EC003	ABHIRAM NAIK T	Abhiram Naik T
4	R18EC004	ABHISHEK D	Abhishek D
5	R18EC005	ABHISHEK DAMODARAN	Abhishek Damodaran
6	R18EC006	ABHISHEK NAGANAGOUDA PATIL	Abhishek Naganagouda Patil
7	R18EC007	ABHISHEK S	Abhishek S
8	R18EC009	ADISH H S	Adish H S
9	R18EC010	ADITHYA HERLE PS	Adithya Herle PS
10	R18EC013	AKASH G	Akash G
11	R18EC014	AKASH PATIL	Akash Patil
12	R18EC015	AKASH T	Akash T
13	R18EC016	AKULA BHARATH KUMAR	Akula Bharath Kumar
14	R18EC017	ALISHA FATIMA	Alisha Fatima
15	R18EC018	AMAN SAINI	Aman Saini
16	R18EC019	AMANULLAH A NADAF	Amanullah A Nadaf
17	R18EC021	AMARESHWAR KARATAGI	Amareshwar Karatagi
18	R18EC022	AMBAREESH LAXMAN SHIRWAL	Ambareesh Laxman Shirwal
19	R18EC023	AMBATI NAGAPRANEETHA REDDY	Ambati Nagapraneetha Reddy
20	R18EC024	AMRUTHA A DESHPANDE	Amrutha A Deshpande
21	R18EC025	ANANYA A RAO	Ananya A Rao
22	R18EC026	ANIRBAN BISAWS	Anirban Bisaws
23	R18EC028	ANKITHA KAVYA GOWDA	Ankitha Kavya Gowda
24	R18EC029	ANUSHA B M	Anusha B M
25	R18EC031	ARJUN S	Arjun S
26	R18EC032	ASHMITHA MURTHY	Ashmitha Murthy
27	R18EC033	ASHWIN ALEX GEORGE	Ashwin Alex George
28	R18EC035	AYUSH KAUSHIK	Ayush Kaushik
29	R18EC036	B ANJALI	B Anjali
30	R18EC037	B LOKA NAGA DATTA	B Loka Naga Datta
31	R18EC039	BABU B	Babu B
32	R18EC040	BABU PETER R	Babu Peter R

*Roc*

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SL.NO	SRN	NAME	Signature
33	R18EC041	BHAGYASHREE	Bhagyashree
34	R18EC042	BHARATH S J	Bharath S J
35	R18EC043	BHAVANA BHAT	Bhat
36	R18EC044	BHAVANA B S	Bhavana B S
37	R18EC045	BHAVITHA Y	Bhavitha Y
38	R18EC046	BHOOMIKA G S	Bhoomika G S
39	R18EC047	BHOOMIKA V	Bhoomika V
40	R18EC049	BINDU SHREE B	Bindu Shree B
41	R18EC050	BOPANNA K P	Bopanna K P
42	R18EC051	BORRA OBULA REDDY	Borra Obula Reddy
43	R18EC052	BRUJESH R	Brujesh R
44	R18EC053	BUSIREDDY DINESH KUMAR REDDY	Busireddy Dinesh Kumar Reddy
45	R18EC054	CHAITHANYA C R	Chaithanya C R
46	R18EC055	CHANDANA S BHAT	Chandana S Bhat
47	R18EC056	CHANDANA C U	Chandana C U
48	R18EC057	CHANDINI N S	Chandini N S
49	R18EC058	CHANDRA VENKATA SUSANTH	Chandra Venkata Susanth
50	R18EC059	CHANNAVEER	Channa Veer
51	R18EC060	CHARAKANAM TANISHQA	Tanishqa
52	R18EC061	CHARAN B	Charan B
53	R18EC062	CHARUNIKA S	Charunika S
54	R18EC063	CHETAN G	Chetan G
55	R18EC064	CHETHAN GOWDA K	Chethan Gowda K
56	R18EC065	CHETHAN H	Chethan H
57	R18EC108	HRITHIK A	Chethan H
58	R18EC169	MADHUSHREE R	Madhushree R
59	R18EC197	NANDALURU DINESH KUMAR REDDY	Nandaluru Dinesh Kumar Reddy
60	R18EC368	ADVIK SARVOTTAM SWAMY	Advik Sarvottam Swamy

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### Industry visit details

So.no.	date	Place of visit	Target audience	Report submission status
1	11.08.2021	Virtual visit online In webex  Dow Chemical International Private Limited	Engineering students of any stream	submitted

### Virtual Industry visit report

SWE Chennai invited students to you to take part in **Virtual Industrial Visit** at Dow Chemical International Private Limited (Dow India). On 11.08.2021. Wednesday. Participants are Any engineering student any stream aspiring to pursue a career in the core industry. An overview of the company's work, Leadership talks, and an insight of the core engineering work by Dow India professionals. No fee for Virtual Industry visit.

Contact for any queries: [Info\\_India@swe.org/](mailto:Info_India@swe.org/) +91 6369775578

Dow Chemical International Private Limited (Dow India) aims to be the most innovative, sustainable, inclusive, and customer-centric materials science company in the world. We are committed to delivering the right solutions to your global challenges every day. With one of the broadest technology sets spanning performance materials, industrial intermediates, and plastics we deliver differentiated science-based products and solutions for our customers in high-growth segments, such as packaging, infrastructure, and consumer care.

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A certified Great Place to Work®, employ over 1000 people over seven locations in the country. These include three manufacturing plants, three Centres of Excellence and one commercial office.

Dow strategic vision is also reflected in work with non-profit partners towards empowerment of communities and sustainability of the planet. Through its Corporate Social Responsibility program, they drive targeted programs for persons with disabilities, women and children. Going well beyond the mandate of Companies Act, their community programs leverage technology expertise and employee volunteerism. To accelerate their sustainability agenda, they have set multi-decade targets to put us on a path to achieve carbon neutrality and eliminate plastic waste.

### Virtual Industry visit Photos

Vice-Chancellor  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru-560 064

Director  
School of Electronics &  
Communication Engineering  
REVA University, Rukmini Knowledge Park  
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Registrar  
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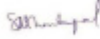
**Certificate of Participation**

**School of Arts and Humanities**

This is to certify that Prof. / Dr. / Mr. / Ms.  
**Rajaneesh Kumar HV, Assistant professor of English**  
of **REVA University**  
has participated in a Five-Day Faculty Development  
Program on **Recent Trends in English Language Teaching**,  
held from 22<sup>nd</sup> to 26<sup>th</sup> of June, 2020.

  
Director, School of Arts and Humanities  
REVA University

  
Registrar  
REVA University

  
In-charge Vice-Chancellor  
REVA University

Rajani Educational  
Charitable Trust

  
Registrar  
**REVA University**  
Bengaluru - 560 064



**MEDASVI SCHOOL OF DANCE**  
**Singapore**

*Certificate of Appreciation*

This is presented to  
*Ms. Anju Peter*  
for her insightful 2 day-workshop on  
*“Navarasas and Netra”*  
on June 20 & 21 , 2020

*Haritha Haridas*

Director, Medasvi School of Dance

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