



**VIGNAN'S**  
Foundation for Science, Technology & Research  
**UNIVERSITY**  
(Estd u/s 3 of UGC Act of 1956)

(ACCREDITED BY NAAC WITH 'A' GRADE)

## MEMORANDUM OF UNDERSTANDING

BETWEEN

**Vignan's Foundation for Science, Technology and Research University (VFSTRU),  
Vadlamudi, Guntur Dist.**

and

**Egnify Technologies Pvt. Ltd., Bangalore**

This memorandum of understanding is made at Vadlamudi, Guntur Dist., A.P between **Egnify Technologies Pvt. Ltd.**, a software design and development corporation registered as a Private Limited Company and represented by Managing Partner hereinafter referred to as "Egnify" of the one part and Vignan's Foundation for Science, Technology and Research University and represented by Registrar referred to as VFSTRU - as the other part.

Egnify has submitted a proposal for the design and development of mobile based app software catering to the Student module (academics, counselling, fees, library, examinations), Faculty module (Performance, students' progression, feedback, and counselling), Admin module for different levels of Management, Report generation, and Mini ERP module as given in **Annexure - I** to this MOU.

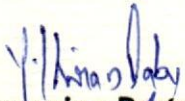
Egnify will design and develop the software by using latest mobile based app technologies and deploy using cloud computing technology. This software significantly minimizes operational costs to the organization, improves productivity and streamline processes within the organization. High Level of security needs to be taken care in implementing prevention of data loss, ensure data security and privacy.

VFSTRU will provide required information for development of the software.

Egnify shall complete the counselling module for student, parent and faculty members in the First Phase. After successful completion of the first phase, remaining modules will be given for development based on satisfaction of all the users of the module.

VFSTRU has the right to continue or withdraw from development of the remaining modules.

As part of the agreement, a sum of Rs.4,00,000/- inclusive of all taxes will be earmarked to cater for the first phase. An advance of 25% of the amount will be released to Egnify for starting the development soon after signing of MOU by both the parties.

  
**Managing Partner**  
Egnify Pvt./Ltd.

  
**Registrar** 30.9.16  
VFSTR University

**Student Mobile App:**

- Academics Module:
  - Attendance Report
    - Subject wise Attendance
    - Semester wise Attendance
  - Exams Performances
    - Mid Exams
    - Final Exams
      - Performance report by Semester
  - Counselling Module
    - Counselling Feedback
      - Weekly Feedback by Professor
      - Overall Feedback for Semester
        - Academics Development
        - Achievement in the Current Semester
        - Counsellor Report
        - Suggestions for further Development
    - General Observations
      - Emotional Development Survey
      - General Behavior and Behavior with Others
    - Career Readiness report
- Library Management
  - List of Books Taken
  - Dues date on books taken
- Hostel Management
  - Hostel Fee Dues
  - Hostel Room Number
  - Complaints / feedback
- Fees Management:
  - Semester wise fee details
    - Due payment
    - Due dates
    - Integration to online Bank payment (PNB)
  - Payment History



- Personal Details:
  - Personal Details
  - Parents Details
  - Contact Details
  - Past Performance (10<sup>th</sup> and Intermediate)
- Calendar
  - Class Calendar
  - Exam Schedule / Time Tables / Seating Plan
  - Events List
  - Due Date Notifications
  - Notice board feature
- Exam Cell Modules
  - Exam Fee Payment / Supplement / Revaluation
- Communication Feed
  - Training, Placement, Workshop, Seminars related information
  - Feedback

#### **Student Mobile App:**

- Faculty Performance
  - Attendance Management
  - Counselling Students performance
  - Research Contribution
  - Thumb Analysis reports
  - Student Feedback
- Student Performance
  - Academic performance
  - Attendance Management
  - Co-scholastic performance
- Feedback Modules
  - Faculty to Student feedback
  - Faculty to Counselling group feedback
  - Student to Faculty
- Web portal for Counselling Feedback
  - Ability for all professors to give counselling feedback to all assigned students



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#### **Reports : (Physical Paper Reports):**

- Student Progress Report
- Student Softskills Report
- Student Career Readiness Report

#### **Admin App for Vice Chairman / Chairman / Deans / HOD :**

- University / College Performance at their Group level
  - Administration
    - University Performance
    - Faculty Performance
    - Student Performance
    - Leave management
    - Attendance reports
    - Fees Management
  - Attendance Management
  - Counselling Students performance
  - Research Contribution
  - Thumb Analysis reports
  - Student Feedback

#### **Mini-ERP module :**

- Onboarding:
  - Understand Vignan University full stack and infrastructure
  - Create DB layer to support current infrastructure to support our modules
- Integrating:
  - Integrate Egnify modules to Vignan backend
  - Map the proposed new Database with the existing Database architecture
- Uploading:
  - Upload all Student, Faculty data to support Egnify Code
  - Provide a Web App UI for DEOs to enter the data that cannot be supported from the old DB.
- Accessing Rights / Password Levels:
  - Set up Permissions layer by Hierarchy
  - Give User management support to all admins



### Pricing:

What ?	#	Rs.
Duration of the project (months)	3	₹ 1,678,125
Support and Maintenance (post launch)	15%	₹ 251,719
Travel and Other Expenses	10%	₹ 167,813
<b>Total</b>		<b>₹ 2,097,657</b>

Team		Mini-ERP Module	Android App	Reports Modules	Web Module	Total	
Engineering	Web	Web Developer	-	0.1	0.1	0.3	0.5
		Programmer	0.1	0.1	0.4	0.1	0.7
	Database	DB Designer	0.2	0.25	0.1	0.1	0.7
		DB Administrator	0.8	0.3	0.1	0.1	1.3
	Android	Android Developer	-	1	0.1	-	1.1
QA & Testing	Quality Analyst	0.1	0.3	0.1	0.1	0.6	
Product	Product Manager		0.3	0.3	0.3	0.2	1.1
	Project Manager		0.3	0.3	0.1	0.3	1.0
	Product Architect		0.2	0.2	0.2	0.2	0.8
Operations	Training, Documentation		0.3	0.3	0.3	0.3	1.2
UI/UX	UI/UX Designer		0.1	0.2	0.4	0.2	0.9
Analytics	Data Scientist		0.1	0.2	0.1	0.1	0.5
						<b>10</b>	

### Terms and Conditions :

- 15% maintenance and renewal fee every year
- Charges to create similar modules for other Vignans Colleges: 20-25% of the current project cost.

# **Memorandum of Understanding**

## **Academic Research Collaboration between Vignan's University (VFSTRU), Guntur and M/S Garg Steels Udyog India Pvt. Ltd, Hyderabad**

Vignan's University (VFSTRU), Guntur and M/S Garg Steels Udyog India Pvt. Ltd, Hyderabad have mutually agreed upon the below mentioned protocols governing their collaboration on academic and research activities.

### **Scope:**

In general, Garg Steels will support and augment the facilities in the "Department of Mechanical Engineering", VFSTRU based on their rich experience in this field over the last three decades. The expertise, equipment and testing facilities available shall be shared on mutual agreement for the benefit of both the partners towards research and development.

### **The scope of MOU covers the following category of activities:**

1. Academic and Research collaboration in the areas of mutual interest
2. Students and faculty of VFSTRU visiting Garg Steels for project internship and practical training
3. Using of experimental and testing facilities on mutually agreed terms and conditions
4. Organizing conferences, seminars, lectures and workshops jointly for mutual benefits

### **Academic and Research collaboration:**

The Garg Steels and the Department of Mechanical Engineering, VFSTRU have a lot of common interest, therefore, there is a plenty of scope for research and developmental activities which could be achieved through regular mutual visits, conducting technical events etc. Therefore, these activities shall be organized on regular basis on a mutually agreed upon schedule to sustain the cooperation.

### **Student and Faculty visit:**

A few students of VFSTRU will be selected and they will undergo project internship under the joint supervision of faculty of VFSTRU and technical experts of Garg Steels, on mutually agreed upon terms and conditions.

Commencement, Renewal, termination and amendment:

The MOU will come in to effect from the day of signing the same by both the parties and will remain in effect for a period of three years.

If any one of the partners wishes to terminate the MOU, it shall be done with a prior one month advance notice served to the other, but not in the period less than six months after the commencement of the agreement.

The modifications of any amendment or agreement, renewal and extension of MOU shall be carried out between the partners and may be formally implemented based on exchange of letters or discussions between the partners at any point of time during the period

**Signed:**

**Dr. M. Rama Krishna**  
Professor & Head,  
Department of Mechanical Engineering  
VFSTR University  
Guntur, AP, 522213

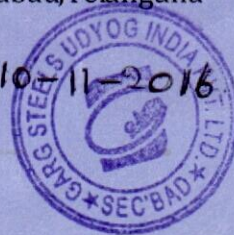
Date: 10-11-2016.

**Dr. M. Ramakrishna, Ph.D.**  
Professor & Head  
Dept. of Mechanical Engineering  
VFSTR University  
Vadlamudi-Guntur  
Andhra Pradesh - 522 213

**Signed:**

**Mr. Satish Agarwal**  
Managing Director  
M/S Garg Steels Udyog  
Hyderabad, Telangana

Date: 10-11-2016



**Note:**

1. The UG, PG and Ph.D. students duly selected and undergoing internship or training shall strictly follow the rules and regulations stipulated by Garg Steels.
2. The faculty and technical personal exchange visits shall take place for any event only on the basis of mutual convenience and strictly after obtaining prior permission
3. As such there is no financial commitment for any of the partners, if at all there is any, it will be decided and agreed upon only after mutual discussions.

# Memorandum of Understanding

Between



Igy Immunologix India Pvt. Ltd.,  
Hyderabad, Telangana  
and



Vignan's Foundation for Science,  
Technology & Research University (VFSTRU),  
Guntur, Andhra Pradesh

## Introduction

It is proposed to have a joint collaboration between Igy Immunologix India Pvt Ltd and VFSTR UNIVERSITY for academic work in general and doctoral research programs in particular in Faculty of Technology and Engineering in pursuit of Ph.D degree as per its rules and regulations of VFSTRU. The terms and conditions of MoA are as follows:

## ARTICLE-1

VFSTRU will provide the following subject to personnel and budgetary limitations and as may be mutually agreed upon;

- a. Laboratory, field, library including online access and other facilities for the research scholars in their area of interest.
- b. Exchange of relevant scientific publications, literature, information etc.
- c. To allow working space to research scholars for demonstration work.
- d. To allow collaborative research work publications.
- e. To conduct conferences/workshops jointly.

## ARTICLE-2

The Igy Immunologix India Pvt. Ltd will provide the following, subject to personnel and budgetary limitations and as may be mutually agreed upon;

Laboratories, equipment, chemicals, glassware, other experimental inputs, supporting manpower, communication facilities(including internet), library facilities and other such requirements which may be necessary for deputed students / sponsored students/ staff members from VFSTRU only to carry out their assigned work.



### ARTICLE-3

The details of Masters (PG) studies and research (Ph.D) are as follows:

- a. VFSTRU and IgY Immunologix India Pvt. Ltd will indicate in the beginning of each academic year [June/July] the areas of research of common interest and other priorities. The number of research scholars required at Doctoral level to be deputed by IgY Immunologix India Pvt. Ltd. for conducting their research work will be decided based on mutual consent.
- b. VFSTRU will constitute a research committee consisting of research guides from the University and IgY Immunologix and other members for every scholar / student in consultation with IgY Immunologix, duly following the rules and research regulations stipulated by the University.
- c. The research committee may include recognized experts in the relevant fields from all over the country as members of the committee.

### ARTICLE-4

The details of research scholars to be selected/nominated for their Doctoral degrees are as follows:

- a. VFSTRU and the IgY Immunologix India Pvt. Ltd will select / identify (UG, PG and research scholars) students / staff as per requirement in each / any academic year depending upon the need to work for internships and doctoral degree programs on the specific problems identified.
- b. The entire cost of study such as boarding, lodging, travel and contingencies etc will be borne by the candidates themselves during the course of their stay.

### ARTICLE-5

- a. This MoA may be supplemented by work plans to be developed jointly if required on specific projects, which describe more specifically the activities to be carried out under this collaborative program and which set forth the envisaged contributions of each party.
- b. VFSTRU and IgY Immunologix India Pvt. Ltd may nominate experts from their respective staff as representatives to work out further modalities for proper and effective implementation of this MoA.
- c. Such details as agreed upon, including any other amendments, will be confirmed by exchange of letters between VFSTRU and IgY Immunologix India Pvt. Ltd.
- d. These work plans will require the approval of both parties for implementation

### ARTICLE-6

- a. VFSTRU and IgY Immunologix India Pvt. Ltd recognize the importance of scientific research paper publication as an important component of the education and research agenda. VFSTRU and IgY Immunologix India Pvt. Ltd together reserve rights of publications which come out as a result of this cooperation.
- e. During the course of research assignment with IgY Immunologix India Pvt. Ltd and after its completion, all students and staff assigned by IgY Immunologix India Pvt Ltd will be encouraged to write scientific research publications for national and international journals.
- f. During the course of research assignment with IgY Immunologix India Pvt Ltd, all the students are encouraged to present papers in national and international conferences.

## APPENDIX

### About the Partners:

IgY Immunologix India Pvt Ltd is a Biotechnology Company situated at Hyderabad, Telangana.

IgY Immunologix has a mandate to provide antibodies for lab research, diagnostics and therapeutics for viral and bacterial diseases of human and veterinary importance with expertise to tailor IgY antibodies with specific need. It has technologies to develop rare and valuable research antibodies, patentable cancer biomarker diagnostics, effective nutraceuticals and therapeutic antibodies. This business has a unique potential for therapeutic and prophylactic aquatic viral diseases for shrimp and fishes.

The company is relatively young but in a short span of time, it has established its credentials with academic and research institutions. The company is very progressive for its mandate for higher research learning in biotechnology. The young professionals who comprise its scientists always seek opportunities to enhance value for their scientists. The company is accustomed for taking on devising innovative solutions to meet increasingly complex challenges. The company has a well-equipped research lab with every necessary facility in biotechnology including Microbiology, Cell culture, Biochemistry, Molecular Biology, Peptide chemistry and conjugation technology and Nano technology. Many young and talented scientists are groomed for acquiring higher qualification to enhance their value and career prospects, and in the process raise the quality of its human resource.

Vignan's Foundation for Science, Technology and Research University is situated at Vadlamudi, Guntur Dist. Andhra Pradesh. Vignan University is one of the leading universities in India. Apart from providing the quality education, it also aims at inculcating human ethics and creating awareness about the society. The mission of this university is to provide high quality academic and research facilities, and to create real value to the society by training the students to compete and achieve outstanding results. VFSRTU vision is to evolve as a center of excellence in science and technology and produce competitive and world class professionals.

**ARTICLE-7**

This agreement will be in effect from the date of signing of this MoA by both parties after which it may be reviewed for possible extension. Either party may terminate the agreement by written notification signed by the appropriate official of the institution initiating the notice. Such notice must be reviewed by the other party six months prior to the effective termination date. However, obligations and commitments already contracted for and involving third parties shall be honored by both parties until such commitments are completed.


This MoA overrides any prior discussion, correspondence, understanding that may and may not have taken place by and between the parties.

Signed and executed this day of 16<sup>th</sup> July, 2016 by the Vignan's Foundation for Science, Technology and Research University, Guntur, Andhra Pradesh and IgY Immunologix India Pvt Ltd, Hyderabad with the seals of both parties affixed herewith.

On behalf of VFSTRU, Guntur

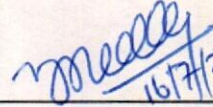
On behalf of IgY Immunologix India Pvt Ltd, Hyderabad

Signature with date

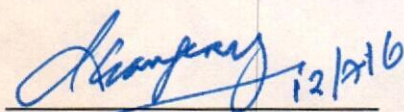
 12/7/16

Dr. B. RAMAMOORTHY  
Rector, VFSTRU

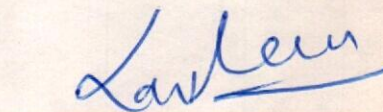
Signature with date

 16/7/2016

Dr. Y. ADINARAYANA REDDY  
Director, IgY Immunologix Pvt. Ltd


 12/7/16

Dr. C. THANGARAJ  
Vice Chancellor, VFSTRU

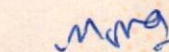


Dr. L. K. GUPTA  
Director, IgY Immunologix Pvt. Ltd.

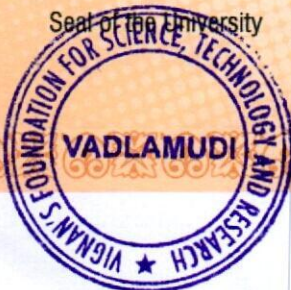
Signed in the presence of

 12.7.16  
Signature of Witness

Signed in the presence of

  
Signature of Witness  
(Dr. Mona Gupta)

Seal of the University



Seal of the Company





## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding, entered into on 02<sup>nd</sup> May 2017 between the **AMD Research & Development Center India Private Limited**, principal place of business at Raheja Mindspace, Building No: 11, 8<sup>th</sup> Floor, APIC Software layout, Madhapur, Hyderabad - 500 081 referred as **AMD** and the academic partner "**Vignan's Foundation for Science, Technology and Research (VFSTR) University**"; referred as "**VFSTR University**", with principal place of business at "**VFSTR University, Vadlamudi, Guntur Dist. - 522 213, Andhra Pradesh, INDIA**".

### **I. Introduction** **About AMD**

AMD (NYSE: AMD) is a semiconductor design innovator leading the next era of vivid digital experiences with its groundbreaking AMD Fusion Accelerated Processing Units (APUs) that power a wide range of computing devices. AMD's server computing products are focused on driving industry-leading cloud computing and virtualization environments. AMD's superior graphics technologies are found in a variety of solutions ranging from game consoles, PCs to supercomputers.

AMD globally employs University Relations (UR) as a unique strategic lever to build the young innovative and diverse talent pipeline, thereby extending support to the academic institutions to harness the budding engineering talent, and groom them for the industry.

- AMD India UR & Branding Strategy is comprised of four initiatives, focused on collaboration between the Company and the Academic entity:
  - Research
  - Relations
  - Recruitment of Co-Ops
  - Recruitment of NCGs

### **About the University:**

Vignan's Foundation for Science, Technology and Research University (VFSTRU) located in Guntur (Dist.) of Andhra Pradesh is a NAAC "A" graded deemed-to-be University under sec 3 of UGC Act 1956 and is the flagship institution of **Vignan Group**. The University has recently been ranked in 88<sup>th</sup> position among 3000 odd Engineering Institutions in the country who participated in the survey conducted under the aegis of National Institutional Ranking Framework (NIRF) by the Ministry of HRD, Govt. of India.

... 2



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The University located on a 50-acre campus in a green and eco-friendly environment of Vadlamudi Village was awarded University status in 2008 and has evolved from the erstwhile Vignan's Engineering College established in 1997. Supported by the Vignan Group consisting of 40 Institutions, which is serving the educational needs of about 44,000 students in both Andhra Pradesh and Telangana, VFSTRU is making giant strides in the right direction through implementation of various good practices in all areas of academic pursuit.

Right from the inception, every activity is made student-centric and quality conscious towards realizing the vision of transforming the students of this region into globally accepted, socially conscious, emotionally balanced and psychologically strong professionals. The University conducts 19 UG, 22 PG and 12 Ph.D. Programmes in diverse fields of Engineering and Technology. The Institution has three Centres of Excellence and nine Research Centres in frontier areas of Science and Technology. Besides, we have International Collaboration Programmes with USA, UK, Canada, Korea, France, Japan and Singapore. A total of 5323 students are presently pursuing their studies in the University both at the UG, PG and Ph.D. level.

The University has recently been awarded as one of the Technical Skill Development Institution (TSDI) in Andhra Pradesh by AP Skill Development Corporation in Collaboration with M/s. SIEMENS. TSDI was launched on 02.02.2017 by Prof. Ghanta Subba Rao, Special Secretary to Government, Skill Development and Ex. Officio Secretary to the Hon'ble Chief Minister of Andhra Pradesh.

## **II. Objectives and terms of Collaboration**

- A. The Recruitment of Co-Ops attract strict adherence to the following terms from the academic partner:
- Students chosen for Co-Ops be in good standing at their school or university
  - Generally, Co-ops must be able to work full-time during the entire period of the defined work tour / period.
  - Co-ops must make good progress (completion of all academic requirements as stipulated by the governing academic body) toward the completion of his or her degree between work tours. Academic progress of co-ops is subject to periodic review by the academic partner.
  - Students terminating their formal education are not eligible to participate in the Co-op Program at AMD.

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-3-

- If a student accepts an employment position with another employer while on a Co-op tour at AMD, the student's employment with AMD may terminate.
- Students must familiarize themselves with AMD policies. Failure to adhere to AMD policies while on tour as a Co-op may result in termination.

B. The Recruitment of Co-Ops attract strict adherence to the following terms from AMD India:

- Kinarnai AMD pays a monthly <sup>Stipend</sup> ~~salary~~ for the recruited Co-Ops, during the committed work tour.
- AMD reimburses Co-ops for program fees charged by their respective school or Universities, to a maximum of INR 50,000.00 per semester, provided the following conditions are met:
  - Students must submit all receipts and a reimbursement form to AMD's Educational Reimbursement Administrator
  - Students receiving full or partial grants or scholarships for their education are not eligible for full reimbursement. For example, if co-op fees total INR 100,000.00 for one semester and the scholarship is funding INR 40,000.00, the student will only be reimbursed INR 10,000.00

### III. Liability

- Each party takes reasonable care and precaution in fulfilling the spirit of this MOU. No other liabilities are applicable unless explicitly agreed before in writing by the authorized persons

### IV. Term and Termination of this Memorandum of Understanding

- This Memorandum of Understanding shall last for an initial period of two (2) years from the Effective Date unless extended in writing three (3) months prior to date of expiry.
- Either party is free to withdraw at any time during the initial period with prior written notice to the other party of its intention to withdraw. During that year, both parties will endeavor to address and correct the concerns of the party who wishes to withdraw. If those efforts are not successful, this Memorandum of Understanding will terminate when the three (3) month notice period expires.

### V. Amendments

Amendments to this Memorandum of Understanding may be proposed, either by the undersigned or their successors, and shall become effective only if agreed to, in writing, by the undersigned or their successors.

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## VI. General

- This Memorandum of Understanding is and will be available for disclosure to the general public.
- This Memorandum of Understanding is an agreement between both parties and does not create or confer any right or benefit on any other person or party, private or public.
- The Parties are and shall remain independent contractors and nothing herein shall be construed to create a partnership, agency, joint venture, or teaming agreement between the Parties. Nothing herein shall be construed as implying that either Party's employees are employees of the other.
- A determination that any term of this Memorandum of Understanding is invalid for any reason shall not affect the validity of the remaining terms of the Memorandum of Understanding.
- This Memorandum of Understanding constitutes the entire agreement between the Parties and supersedes all prior agreements and understandings, whether oral or written.

### Agreed to:

For  
AMD R & D Center India Private Limited

Name: **Dr. Kiranmai Dutt Pendyala**

CVP-Human Resources

Phone: 040-40615000

Email: [Kiranmai.pendyala@amd.com](mailto:Kiranmai.pendyala@amd.com)

Date : 02 May 2017

For  
Vignan's Foundation for Science,  
Technology and Research University

Name: **Prof. B. Ramamoorthy**

Vice-Chancellor I/c

Phone: 0863-2344710

Email: [vc@vignanuniversity.org](mailto:vc@vignanuniversity.org)

Date : 02.05.2017

# Memorandum of Understanding

Between

LORVEN BIOLOGICS

Andhra Pradesh

and

VFSTR UNIVERSITY

Guntur, Andhra Pradesh



## Introduction

This MoU is for a joint collaboration between Lorven Biologics and Vignan's Foundation for Science, Technology and Research University (VFSTRU) for entrepreneurship initiatives and joint research programs in the areas of sustainable development, agro-biotechnology and agro- and medical diagnostics as per the mutually agreed upon conditions.

VFSTRU and Lorven Biologics are mutually committed for improving collaboration with specific reference to socially relevant projects and of enabling students and faculty members to have a greater understanding and sensitivity to other cultures and global issues facing our world community. The possibilities and the scope of academic and research activities that are mentioned in this MoU are aimed towards developing collaborative programs and fostering cooperation.

## Scope of MOU:

### Article 1:

To accomplish the above-mentioned goals, both the parties define the scope and mutually agree to explore, encourage and facilitate programs and activities such as the following:

- Collaborations with regard to academics and research in the programs of mutual interest
- Organizing Workshops, Seminars, Conferences, Symposia etc in jointly on mutual understanding and collaboration
- Promoting collaborative research activities in consultancy and sponsored research
- Sharing/ Exchange of any academic information, laboratory facilities and space/ infrastructure etc.
- Other activities as deemed appropriate.



Both the partners subscribe to a policy of equal opportunity and will not discriminate on the basis of race, gender, ethnicity, religion, national origin or handicap.

#### Article 2:

VFSTRU will facilitate for execution of projects as given below in which some of the departments of the University and Lorven Biologics participate, subject to personnel and budgetary limitations and **as may be mutually agreed upon**;

- Laboratory, field, library including online access and other facilities for the personnel involved in the joint research projects.
- Incubation space and lab with atleast minimal necessary facilities to carry out the R & D activities of Lorven Biologics as consented by both.
- Regulatory permits such as IBSC, RCGM, IAEC to projects undertaken by both the parties.
- Exchange of relevant scientific publications, literature, information, etc.
- To provide working space and facilities for demonstration work to research scholars in VFSTRU.

For execution of the socially relevant projects related to agricultural engineering, biotechnology etc, efforts will be taken by both the parties to bring in the involvement of users, namely the farmers. To achieve this, workshops/incubation center are to be planned together and involve the customers/farmers' participation in lab-scale/pilot scale experiments.

#### Article 3:

The Lorven Biologics will facilitate the following subject to personnel and budgetary limitations and as may be mutually agreed upon;

- Technical assistance and guidance to the personnel involved (project students, research scholars and faculty members)
- Consumables necessary to conduct experiments related to joint collaboration or areas of research mutually agreed upon
- Necessary consumables to carry out the Lorven Biologics R&D projects at Incubation centre and lab.
- Training to the students (B. Tech and M. Tech) involved in the collaborative projects at the incubation center to have hands-on experience in the University campus itself.

#### Article 4:

The details of PG studies/internships and related research works are given follow:

- Lorven Biologics will choose in the beginning of each semester [June/July and Dec/Jan] the area of research and the number of students required for conducting the joint research work.
- A Research Committee consisting of senior faculty members from VFSTRU and members of Lorven Biologics shall be formed for recommendation and monitoring the research activities.
- One senior faculty member from the university will be nominated by the Vice-Chancellor of VFSTRU as the coordinator of all the joint research activities involving Lorven Biologics

#### Article 5:

The details of **training of students** such as internship etc. and providing **further employment opportunities** at Lorven Biologics under this MoU are as follows:

- The Lorven Biologics together with VFSTRU will identify/ select/ nominate students / faculty members as per requirement in each / any academic year depending upon the need to work for the research project focusing on the specific problems identified by them and mutually approved by both VFSTRU and Lorven Biologics.
- The entire **cost of training of such students** will be **fully borne by the candidate** himself/herself which include their boarding lodging, travel and contingencies etc.
- The students training cover both theory and practice in the area of agro-biotechnology/relevant to the running research project/problem at Lorven Biologics or VFSTRU or both.
- On the completion of the training program, the students will be duly certified and **may be offered employment opportunity** in Lorven Biologics with appropriate conditions.

#### Article 6:

- Lorven Biologics and VFSTRU will work together for submission of joint proposals to various funding agencies within the country (such as DST, DBT, BIRAC and any other) and abroad.
- Both the parties will equally contribute in all respects for the execution of the sanctioned projects either at Lorven Biologics or VFSTRU or both.
- VFSTRU and Lorven Biologics recognize the importance of scientific research paper publication as a component part of the education and research agenda.
- Both VFSTRU and Lorven Biologics reserve publication and patent rights, discovered or produced as a result of this cooperation related to this MoU.

#### Implementation and other conditions:

This agreement will be in effect **from the date of signing of this MoU** by both parties after which it may be reviewed after three years for possible extension. Either Party may terminate the agreement by written notification signed by the appropriate official of the installation initiating the notice. Such notice must be reviewed by the other party six months prior to the effective termination date. **However, obligations and commitments already contracted for and involving third parties shall be honored by both parties until such commitments are completed.**

This MoU overrides any prior discussion, correspondence, understanding that may and may not have taken place by and between the parties.

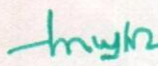
Signed and executed this day of 25 / JULY / 2016 by the VFSTRU, Guntur, Andhra Pradesh and Lorven Biologics, Hyderabad with the seals of both parties affixed herewith.

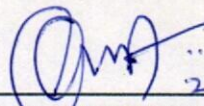
On behalf of VFSTRU, Guntur

On behalf of Lorven Biologics,  
Hyderabad

Signature with date

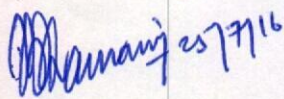
Signature with date

 25.7.16

 25/7/16

Dr. M. S. RAGHUNATHAN  
Registrar, VFSTRU

Dr. M. VENKATARAMANA  
Director, Lorven Biologics

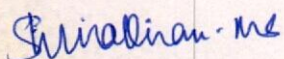
 25/7/16

Dr. B. RAMAMOORTHY  
Recor, VFSTRU


**LORVEN BIOLOGICS PVT. LTD.,**  
Modugulapeta Village, Govindapuram Post  
Santhakaviti Mandal, Srikakulam-532 123  
Andhra Pradesh, India.

Signed in the presence of

Signed in the presence of



Signature of Witness  
Dr. M. S. Shivakiran  
Scientist, Dept. of Biotech  
VFSTRU, Guntur - 52213

 (J. Achyuth)  
Signature of Witness  
165/5 KALPA VIHAR  
AIR FORCE QRS,  
AFS SULUR, CBE - 641401

Seal of the University

Seal of the Company



**LORVEN BIOLOGICS PVT. LTD.,**  
Modugulapeta Village, Govindapuram Post  
Santhakaviti Mandal, Srikakulam-532 123  
Andhra Pradesh, India.

### **ABOUT THE PARTIES**

Lorven Biologics Pvt. Ltd. is situated at Modugulapeta Village, Govindapuram Post, Santhakaviti mandal, Srikakulam Dist-532123, Andhra Pradesh. Being a startup Biotechnology firm incepted by young entrepreneurs, it is involved in the manufacturing and marketing of the value added agriculture products, hybrid seeds, probiotics, bio-fertilizers, organic nutrients, specialty bio-products for aqua culture, agriculture, poultry and animal health care.

Lorven Biologics Pvt. Ltd. is dedicated to deliver value added agriculture products including, High Iron rice, High zinc rice, Low-phytate maize, Low-phytate sorghum, Low-phytate pearl millet and Low-phytate finger-millet with better bioavailability of nutrients and Low GI Rice with controlled glucose release for effective management of diabetes. It is also dedicated to develop diagnostic platforms for human, veterinary and plant pathogens as well as toxins detection.

This company is also intended to provide advanced laboratory testing services and training in agriculture and aquaculture sector, with combining more years of research experience and with strong industry-trained management.

**Vignan's Foundation for Science, Technology and Research University** is situated at Vadlamudi, Guntur Dist. Andhra Pradesh-522213. VFSTRU is one of the leading universities in India. Apart from providing the quality education, it also aims at inculcating human ethics and creating awareness about the society. The mission of this university is to provide high quality academic and research facilities, and to create real value to the society by training the students to compete and achieve outstanding results. VFSTRU vision is to evolve as a center of excellence in science and technology and produce competitive and world class professionals.

# **Memorandum of Understanding**

## **Academic Research Collaboration between Vignan's University (VFSTRU), Guntur and M/S Jai Raj Ispat Ltd, Hyderabad**

Vignan's University (VFSTRU), Guntur and M/S Jai Raj Ispat Ltd, Hyderabad have mutually agreed upon the below mentioned protocols governing their collaboration on academic and research activities.

### **Scope:**

In general, Jai Raj Ispat Ltd, will support and augment the facilities in the "Department of Mechanical Engineering", VFSTRU based on their rich experience in this field over the last three decades. The expertise, equipment and testing facilities available shall be shared on mutual agreement for the benefit of both the partners towards research and development.

### **The scope of MOU covers the following category of activities:**

1. Academic and Research collaboration in the areas of mutual interest
2. Students and faculty of VFSTRU visiting Jai Raj Ispat Ltd. for project internship and practical training
3. Using of experimental and testing facilities on mutually agreed terms and conditions
4. Organizing conferences, seminars, lectures and workshops jointly for mutual benefits

### **Academic and Research collaboration:**

The Jai Raj Ispat Ltd. and the Department of Mechanical Engineering, VFSTRU have a lot of common interest, therefore, there is a plenty of scope for research and developmental activities which could be achieved through regular mutual visits, conducting technical events etc. Therefore, these activities shall be organized on regular basis on a mutually agreed upon schedule to sustain the cooperation.

### **Student and Faculty visit:**

A few students of VFSTRU will be selected and they will undergo project internship under the joint supervision of faculty of VFSTRU and technical experts of Jai Raj Ispat Ltd, on mutually agreed upon terms and conditions.


## Commencement, Renewal, termination and amendment

The MOU will come in to effect from: the day of signing the same by both the parties and will remain in effect for a period of three years.

If any one of the partners wishes to terminate the MOU, it shall be done with a prior one month advance notice served to the other, but not in the period less than six months after the commencement of the agreement.


The modifications of any amendment or agreement, renewal and extension of MOU shall be carried out between the partners and may be formally implemented based on exchange of letters or discussions between the partners at any point of time during the period

### Signed:

  
**Dr. M. Rama Krishna**  
Professor & Head,  
Department of Mechanical Engineering  
VFSTR University  
Guntur, AP, 522213  
Date: 22/12/2016

**Dr. M. Ramakrishna, Ph.D.**  
Professor & Head  
Dept. of Mechanical Engineering  
VFSTR University  
Vadlamudi-Guntur  
Andhra Pradesh - 522 213

### Signed:

  
**Mr. N. Venakateswarlu**  
Managing Director  
M/S Jai Raj Ispat Ltd.  
Hyderabad, Telangana

Date: 22/12/2016



### Note:

1. The UG, PG and Ph.D. students duly selected and undergoing internship or training shall strictly follow the rules and regulations stipulated by Jai Raj Ispat Ltd.
2. The faculty and technical personal exchange visits shall take place for any event only on the basis of mutual convenience and strictly after obtaining prior permission
3. As such there is no financial commitment for any of the partners, if at all there is any, it will be decided and agreed upon only after mutual discussions.

# Memorandum of Understanding

For Academic and Research Collaboration between

CENTRALE NANTES, FRANCE

and

VIGNAN'S UNIVERSITY, INDIA

Ecole Centrale Nantes, France, and Vignan's University, India, are considering their common interest in promoting mutual cooperation in the areas of education and research, both parties, therefore, wish to expand the basis for friendship and cooperative educational exchange, and have set forth the following Memorandum of Understanding (MoU):

## Article I: Purpose

The purpose of this MoU is to develop academic and educational cooperation on the basis of equality and reciprocity and to promote relations and mutual understanding between both universities.

## Article II: Scope of the Cooperation

Subject to the terms of this Agreement, both parties undertake to promote and develop academic cooperation **wherever possible following the guidelines framed by the respective government agencies in both countries** as follows:

1. Development of combined Bachelor/Master degree programs.
2. Exchange of faculty and students.
3. Cooperation in research such as conducting joint research projects.
4. Exchange of academic materials, publications and other scientific information.
5. Development of joint Master degree programs.
6. Development of customized or open executive education programs for management or engineering professionals.
7. Other educational and academic exchanges and collaborative programs.

## Article III: Financial Arrangement

1. Both parties agree that all specific arrangements and plans for activities are to be negotiated and are dependent on the availability of funds. Neither party shall have any obligations under this MoU until such negotiations have been concluded with respect to a particular project or exchange and the parties' agreement has been reflected in an Agreement of the type referred to in Article IV.
2. If appropriate, both parties agree to seek financial support from national and international organizations for the cooperative activities to be undertaken as stated under the terms of this MoU.

#### Article IV : Agreement of Implementation

A detailed description of the scope of any cooperative activities by the parties shall be defined in one or more Agreements of Implementation. Each Agreement of Implementation will include such items as:

1. Elaboration of the responsibilities of each institution for the agreed upon activity.
2. Schedules for specific activities.
3. Budgets and sources of financing for each activity.
4. Intellectual property ownership of the results of collaborative activities and related terms.
5. Publication rights and appropriate credit to the parties and their respective personnel.
6. Insurance and general legal provisions relating to collaborative activities.
7. Any other terms deemed necessary for the efficient management of the activity in accordance with all applicable laws.

#### Article V : Settlement of Differences

The parties will endeavor to settle any differing viewpoints and interpretations of this MoU in an amicable manner by mutual consultation or negotiation.

#### Article VI : Amendments, Duration and Termination

1. Amendments and supplements to this MoU require the written consent of authorized officers of both parties.
2. Unless it is terminated or replaced, this MoU shall be in effect from the date of its signing and shall be valid for five (5) years from that date. Prior to expiration, the parties will review the activities that have occurred under the MoU and its terms, and consider the possibility of renewing the MoU.
3. This MoU may be terminated by either party by written notice at least six (6) months in advance. Unless otherwise agreed by the parties, such a notice of termination will not interfere with cooperative programs currently underway and such programs will be allowed to continue until their conclusion.

This MoU is prepared in two (2) original copies in English version and are duly signed by both parties accordingly.

for CENTRALE NANTES

Prof Arnaud Portou  
DIRECTEUR

Date: 20/06/2016



for VIGNAN'S UNIVERSITY

Prof Ramamoorthy Balakrishnan  
RECTOR

Date: 24/06/16





**MEMORANDUM OF UNDERSTANDING  
CONCERNING COLLABORATION BETWEEN  
IIC ACADEMY, HYDERABAD, INDIA  
AND**

**VIGNAN'S FOUNDATION FOR SCIENCE, TECHNOLOGY AND RESEARCH  
UNIVERSITY, GUNTUR, INDIA**

This Memorandum of Understanding (MoU) is between the IIC Academy (learning arm of IIC Technologies Ltd., hereinafter also referred to as Academy), and VFSTR University (hereinafter also referred to as VFSTRU), for the purpose of enhancing knowledge and skills in the area of geospatial sciences, and to jointly work towards providing professional education and research projects to students of VFSTRU to enable them become 'industry-ready.'

IIC Academy is the learning arm of IIC Technologies Ltd., whose registered office is at 6-3-250/2, Road No.1, Banjara Hills, Hyderabad, 500 034.

VFSTRU is a Deemed University with **NAAC 'A'** rating, set up under section 3 of the UGC Act 1956, is located at Vadlamudi, Guntur 522 213, Andhra Pradesh, India.

**Shared Vision**

The Academy and VFSTRU, acknowledging the complementary nature of their aims and strength within the educational sector, have jointly decided to cooperate and offer to the students of VFSTRU, industry-focused programs and opportunities for research, aimed at the growing global geospatial market.

**Scope, Terms and Conditions**

- 1.1 This MoU is for collaboration between both parties, to offer industry-focused professional programs and research projects in geospatial sciences to the faculty and students of VFSTRU.
- 1.2 This MoU shall be valid for three years from the date of agreement, and each party shall be at full liberty to terminate the contract with a notice period of 3 months.

- 1.3 Both parties shall commit to undertake all reasonable steps to ensure successful completion of academic and professional trainings, and cooperate with each other in duly carrying out the obligation agreed upon.
- 1.4 The training programs shall be jointly designed by the Academy and VFSTRU. The programs shall focus on advancements in technology, and skills-in-demand by industry and delivered by the Academy at the VFSTRU, or the Academy campus. The delivery of programs shall be jointly monitored and assessed by the Academy and VFSTRU, culminating with award of certificates to successful participants duly endorsed, both by the Academy, and VFSTRU.
- 1.5 A list of programs covered under this MoU, though not necessarily limited in its scope, are as follows:
- The Academy shall offer short term industry-focused training programs on Photogrammetry, LiDAR, Land, cadastral, and marine surveys, Cartography, and GIS that can be offered at the mutual convenience of the Academy and VFSTRU. The entry into the program shall be based on a short aptitude test to be administered by the Academy.
  - The Academy shall offer short-workshops up to one week duration for the faculty and students of VFSTRU on advanced topics related to Geospatial Sciences, Surveying and Software Tools. The major component of such workshops will include practical case-studies.
  - Guest lectures on topics identified jointly by VFSTRU and the Academy shall be organized. These lectures will be delivered by industry experts through the Academy.
  - The Academy through IIC Technologies shall offer summer internships of duration 4 to 6 months, for the pre-final and final year students of B.Tech. of VFSTRU depending upon available vacancies and demonstrated merit of students.
  - The Academy through IIC Technologies shall offer one-year unpaid industry attachment at IIC for M.Tech. students pursuing Geospatial studies in VFSTRU.
  - The Academy shall support research projects by way of assisting the Masters' and Doctoral students in learning new technologies and relevant application software, enable capture and analysis of geospatial data, and

- apply research study to practical demonstrable inter-disciplinary areas of geospatial sciences.
- The Academy shall partner with VFSTRU in a joint-consultancy mode to undertake inter-disciplinary research and project-work sponsored by National and International agencies such as, Department of Science and Technology, India, leveraging the complementary expertise between the Academy and VFSTRU.
  - The Academy shall undertake periodic programs for the faculty of VFSTRU to update their knowledge and skills as part of 'Continuing Education Programs' and bring them to-date with developing industry standards, software and skills-in-demand.
  - The Academy shall collaborate with VFSTRU by offering customized programs on geospatial sciences and encourage entrepreneurship initiatives through VFSTRU's value-added programs / elective course / modular courses.
- 1.6 The Academy shall provide program materials that include, syllabi, content, case studies, project work, and assessment guidelines; as also, copies of Open Source Software within the specified ambit of licenses, as may be applicable in its deployment in academic studies. The Academy, however would reserve its right to limit sharing of its courseware to other non-participants in VFSTRU or otherwise.
- 1.7 For all programs conducted at VFSTRU campuses, VFSTRU shall provide requisite infrastructure, computer systems, network connectivity with reasonable bandwidth, and ensure timely deployment of all Open Source Software and course presentations provided by the Academy.
- 1.8 A mutually agreed schedule shall be drawn up between the Academy and VFSTRU at least one month in advance, and quarterly schedules thereupon shall be promulgated on the VFSTRU website, and updated every month. Adhoc programs, as and when necessary, shall be discussed on case-to-case basis.
- 1.9 The commercials for each of the program shall depend upon the depth and scope of program coverage and the use of special software tools and equipment during the program. In principle, the cost shall be arrived at by considering hours of class room interaction, quantum of field work, customization of

courseware, and size per batch, restricted to a maximum of 20 participants. The budget for each program shall be finalized only after mutual discussions and acceptance.

**Mutual Obligation**

- 2.0 This collaboration shall not be exclusive to both parties and shall not disallow each party from having similar collaboration with others.
- 2.1 Each party shall respect the intellectual property rights of the other, and shall not use any trade name, or trademark belonging to the other, without their prior written approval.
- 2.2 Each party shall maintain confidentiality of any information relating to course material, case studies, project work, course presentations, and guidelines which shall be deemed to be confidential and marked accordingly.
- 2.3 Both parties shall nominate one representative each to act as primary point of contact for smoother coordination on either side.
- 2.4 Any dispute, if at all, arising out of this MoU shall be settled amicably through arbitration between both parties.

Date: 17 Feb 2016 .

Place: HYDERABAD

Name: SHEKHAR MURTHY

Designation: PRESIDENT

Signature 

For IIC Academy

Date: 17-02-2016

Place: GUNTUR

Name: CMDE. DR. M S RAGHUNATHAN

Designation: REGISTRAR

Signature 

For VFSTR University





## **Memorandum of Understanding (MOU)**

**Between**

**VFSTR (Deemed to be University), Guntur**

**And**

**Advanced Systems and Technologies Company**

This Memorandum of Understanding ("MOU") is entered into and effective as of 12<sup>th</sup> October 2018, by and between:

**Advanced Systems & Technologies Company** or AST is a strategic IT company, operates from India, playing a proactive role in the accelerated growth of the IT Industry in the region. AST focused on providing a complete and diverse line of corporate business solutions and services to many vertical industries to improve and extend their business processes and exchange of business-critical information

**And**

**Vignan Foundation for Science Technology and Research (Deemed To Be University)**, having its registered office at Vadlamudi, Guntur Dist., Andhra Pradesh-522213 and hereinafter unless the context otherwise requires be referred to as "VFSTR".

**Whereas:**

VFSTR and AST have entered into discussions on AST provision of free training assistance for job placements for students of VFSTR. AST Improves customer satisfaction, Speed time to market, securely extend the value of investments. AST solutions let you extend and enhance Institute legacy with core business systems, and more securely, interact with businesses, employees, other government & non-government agencies

AST and VFSTR desire to enter into this Memorandum setting out the terms and conditions under which the purpose and scope of this MOU will be achieved.



## **Article 1** **Effective Date**

The Parties hereby agree that the Effective date of this MOU shall be the date on which it is signed. The preamble to this Agreement constitutes an integral part thereof.

## **ARTICLE 2** **Purpose and Scope**

**Purpose:** This MOU outlines the mutual cooperation between the two parties for helping in bridging the gap in employability skills by imparting suitable training especially, in rural areas; help the academia understand the gap in skills and support them with industry specific inputs; and provide an opportunity to the all students by connecting them to the right jobs.

**Role and scope of cooperation:** The Parties agree to, in the spirit of mutual cooperation, use best efforts towards fulfillment of their respective obligations in achieving the purpose of this MOU.

This MOU outlines the commitments of both the Parties.

### **2.1 Commitments of VFSTR**

- Informing to VFSTR Campus Management about AST services and act as a platform for helping students find employment opportunities by linking with AST for hiring as a result AST will get qualitative man power in the form of students.
- Support AST by allowing putting posters and other awareness material for colleges to disseminate the information to students across campus on bulletin boards, notice boards, emails, etc.
- LinkedIn account or any other portal subscription has to be provided by the college until the candidate join with the AST.
- Institutional Logos can be used by either of the parties.

### **2.2 Commitments of AST:**

- Will visit VFSTR when there are job openings in AST.



- Provide access to Company mail id, web portal and mobile app for all the selected students in VFSTR.
- Help academia to understand the gaps in skills and areas of improvement
- Help bridge the gap in specific employability skills especially in rural areas and support them with industry specific inputs.
- Support VFSTR Campus in increasing awareness of AST among students, colleges and universities by providing the required materials.
- AST will provide stipend to the student, who performed well and meet AST Management Expectations, particularly the lead has to be closed, w.e.f. January 2019
- Institutional Logos can be used by either of the parties.

### **ARTICLE 3**

#### **Confidentiality**

- 3.1 This document is confidential. Both the parties agree to maintain in confidence, and not reveal to any person or body, rights and obligations of the Parties or any information or data which it receives through the other Pursuant to this Agreement. The provision of Confidentiality shall survive the termination of this MOU and continue to bind the parties.
- 3.2 Both parties hereby declare that they know that this undertaking will be in force during the validity of this MOU, as well as at any time after this MOU is terminated.
- 3.3 Both parties declare that they know that the undertaking pursuant to this agreement is a pre-requisite for each party to enter into this MOU with the other,



and that without this declaration each would not be willing to enter into an agreement with the other.

#### **ARTICLE 4**

##### **General Provisions**

- 5.1 Both Parties agree to maintain at all times, a one-point contact for undertaking and overseeing the initiatives listed out in this MOU. Any change in the contacts will be promptly notified to the other Party.
- 5.2 This MOU references good faith efforts by both VFSTR and AST and is an expression of the Parties' current intent and recognizes the fact that the execution of some of the terms of the MOU could require the Parties to enter into definitive agreements. It is understood that without such definitive agreements, the terms of the MOU are not legally binding and will not be relied upon by any party for any purpose and no party is or will be bound by the terms of this MOU, unless and until definitive agreements are signed.
- 5.3 **Term and Termination:**
- The Terms and Conditions agreed under this MOU shall commence on 12<sup>th</sup> October 2018 and shall remain in effect until terminated.
- This MOU may be terminated by:
- a) The execution by the parties of a subsequent agreement or
  - b) Agreement of all the Parties to terminate or otherwise withdraw from this MOU.
- 5.4 **Amendments:** Either party may request changes to this MOU. Any changes, modifications, revisions or amendments to this MOU which are mutually agreed upon by and between the parties to this MOU shall be incorporated by written instrument, and effective when executed and signed by all parties to this MOU.
- 5.5 **Applicable Law:** The construction, interpretation and enforcement of this MOU shall be governed by the laws of India. The courts of Bangalore shall have jurisdiction over any action arising out of this MOU and over the parties, and the venue shall be Bangalore, India.





- 5.6 This MOU supersedes all prior oral or written communication, discussions and representations communicated between the parties hereto in respect of the subject matter of this MOU.
- 5.7 Any notice under this MOU will be in writing and delivered by hand or by registered post acknowledgement due, to the other party at the registered office or as may be substituted by the notice. If any notice sent by e-mail, post will be effective on the date of receipt.
- 5.8 Severability: Should any portion of this MOU be judicially determined to be illegal or unenforceable, the remainder of the MOU shall continue in full force and effect, and either party may renegotiate the terms affected by the severance.
- 5.9 Third Party Beneficiary Rights: The parties do not intend to create in any other individual or entity the status of a third party beneficiary, and this MOU shall not be construed so as to create such status. The rights, duties and obligations contained in this MOU shall operate only between the parties to this MOU, and shall inure solely to the benefit of the parties to this MOU. The provisions of this MOU are intended only to assist the parties in determining and performing their obligations under this MOU. The parties to this MOU intend and expressly agree that only parties signatory to this MOU shall have any legal or equitable right to seek to enforce this MOU to seek any remedy arising out of a party's performance or failure to perform any term or condition of this MOU, or to bring an action for the breach of this MOU.



IN WITNESS WHEREOF, the parties hereto have executed this Understanding on the date, month and year, hereinabove written.

**VFSTR (Deemed To Be University)**

**AST**

Kalpana  
Authorized Signatory  
Name: **Dr. K. KALPANA**  
Position: **HOD - Dept. of Management Studies**  
Date: 12/10/18

Shaik Javed  
Authorized Signatory  
Name: **Shaik Javed**  
Position: **Co-founder & COO**  
Date: 12/10/18

**Witness**

Name: P. M. V. Rao  
Signature: [Signature]  
Designation: **REGISTRAR**  
**VIGNAN'S FOUNDATION**  
**FOR SCIENCE, TECHNOLOGY AND RESEARCH**  
(Declared to be Deemed University U/S 3 of UGC Act 1956)  
**VADLAMUDI-522 213.**  
**A.P. INDIA**

**Witness**

Name: Ravi Kiran Tadepalli  
Signature: [Signature]  
Designation: Director - Cely



## **MEMORANDUM OF UNDERSTANDING**

This Memorandum of Understanding, entered into on 29/12/2016 between Loka Biosciences located at ALEAP Industrial Area, Gajularamaram, Hyderabad, Telangana 500090 and the academic partner "Vignari's Foundation for Science, Technology and Research (Deemed to be University)"; referred as "VFSTR", principal place of business at "VFSTR, Vadlamudi, Guntur Dist. - 522 213, Andhra Pradesh, INDIA".

### **Introduction**

#### **About Loka Biosciences**

LOKA Biosciences Pvt Ltd (LOKA) is an innovative, & integrated biotechnology enterprise located in Hyderabad, Telangana, India. LOKA is focused on the development of biopharmaceuticals, has begun its journey under the leadership of prominent research scientists with strong management skills. LOKA operates in the bio-therapeutic space of biotechnology industry and develops products whose patents are recently expired or about to expire. LOKA has developed alternative technologies for therapeutic synthetic peptides production.

LOKA's novel and patentable manufacturing technologies will differentiate from its competitors and help it emerge as a dominant player in the industry. Our team of scientists, backed by innovative processes and cutting edge technologies, is well equipped to develop and manufacture highest quality products at affordable prices. LOKA Biosciences has established DSIR certified R&D facility to develop novel cost effective manufacturing processes for small pharma molecules, development of efficient high yielding clones for bio-similars and discovery of novel molecules.

#### **About VFSTR:**

Vignan's Foundation for Science, Technology and Research (Deemed to be University) located in Guntur (Dist.) of Andhra Pradesh is a NAAC "A" graded Deemed to be University set up under sec 3 of UGC Act 1956 and is the flagship institution of Vignan Group. The University located in a 42-acre campus in a green and eco-friendly environment of Vadlamudi Village Right from the inception, every activity is made student-centric and quality conscious towards realizing the vision of transforming the students of this region into globally accepted, socially conscious, emotionally balanced and psychologically strong professionals. The University conducts 19 UG, 22 Ph.D. Programs in diverse fields of Engineering and Technology. The institution has four Centers of Excellence and twelve Research Centers in frontier areas of Science and Technology; Besides, we have international Collaboration Programs with USA, UK, Canada, Korea, France, Japan and Singapore. A total of 5323 students are presently pursuing their studies in the University both at the UG, PG and Ph.D. level.

### **Objectives and terms of Collaboration**

- In plant training for Faculty and Students of VFSTR during semester breaks (2 to 3 weeks).
- Technical resource support
- Industry may depute its personnel as visiting faculty at VFSTR University to teach any of the regular course or specialized topics.
- VFSTR and Loka Biosciences shall make provisions to share their respective important R&D facilities in order to promote academic and research interaction in the areas of cooperation.
- Internship for students
- Students chosen for Interns should be in good standing at their University.
- Generally, Interns must be able to work full-time during the entire period of the allotted defined work tour / period. Interns must make good progress (completion of all academic requirements as stipulated by the governing academic body) toward the completion of his/her degree between work tours.
- Academic progress of interns is subject to periodic review by the academic partner. Students must familiarize themselves with Company policies.
- Failure to adhere to policies while on tour as an intern may result in termination of internship.
- The Students are responsible to follow all safety norms as prescribed by the company.
- The Company is not responsible in case of any incident occurs at work place due to the negligence /violation of safety rules by the student.
- Once the list of selected students is communicated and accepted, no changes will be accepted or replaced from the selected list. The company's selection is final for 4 to 5 months internship period.

### **Liability**

Each party takes reasonable care and precaution in fulfilling the spirit of this MOU. No other liabilities are applicable unless explicitly agreed before in writing by the authorized persons.

### **Term and Termination of this Memorandum of Understanding**

- This Memorandum of Understanding shall last for the initial period of 2 years from the effective Date unless extended in writing one month prior to date of expiry.

- Either party is free to withdraw at any time with prior written notice to the other party of its intention to withdraw. Both parties will endeavour to address and correct the concern of the party who wishes to withdraw. If those efforts are not successful, this Memorandum of Understanding will terminate.

### **Amendments**

Amendments to this Memorandum of Understanding may be proposed, either by the undersigned or their successors, and shall become effective only if agreed to, in writing, by the undersigned or their successors.

### **General**

- This Memorandum of Understanding is and will be available for disclosure to the general public.
- This Memorandum of Understanding is an agreement between both parties and does not create or confer any right or benefit on any other person or party, private or public.
- The Parties are and shall remain independent contractors and nothing herein shall be construed to create a partnership, agency, joint venture, or teaming agreement between the Parties. Nothing herein shall be construed as implying that either party's employees are employees of the other.
- A determination that any term of this Memorandum of Understanding is invalid for any reason shall not affect the validity of the remaining terms of the Memorandum of Understanding.
- This Memorandum of Understanding constitutes the entire agreement between the Parties and supersedes all prior agreements and understandings, whether oral or written.

### **Agreed to:**

**For**

  
**Loka Biosciences**

**For Loka Biosciences  
HYDERABAD**

**For**

**VFSTR** 

**Dr. M.S Raghunathan**

**Registrar**





**VIGNAN'S**  
Foundation for Science, Technology & Research  
**UNIVERSITY**  
(ESTD BY 3 OF UGC ACT OF 1956)



## **MEMORANDUM OF UNDERSTANDING**

**Dated the 12<sup>th</sup> day of May 2017**

**between**

**INDIAN INSTITUTE OF FOOD PROCESSING TECHNOLOGY, THANJAVUR**

**and**

**VIGNAN'S FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH  
UNIVERSITY, VADLAMUDI, GUNTUR, ANDRAPRADESH**

This Memorandum of Agreement between the Indian Institute of Food Processing Technology (IIFPT), Thanjavur and VFSTR University, Guntur, is intended to facilitate a collaborative program of research, training, curriculum, institutional development, information dissemination, and exchange of faculty, students and staff. The linkage hereby formed shall further strengthen each partner institution's objectives as well as the mutual relationship between the partners.

### **About Indian Institute of Food Processing Technology (IIFPT)**

Indian Institute of Food Processing Technology is a reputed R&D and educational institution under the Ministry of Food Processing Industries, Government of India. IIFPT offers B. Tech, M. Tech, and Ph. D programs in Food Process Engineering and M. Tech in Food Science and Technology. IIFPT has international standard laboratories including: NABL accredited Food Quality and Safety Testing Laboratory which is also FSSAI referral lab; ISO 9000, 14000 and 22000 Certified Food Processing Business Incubation cum Training Centre; AICTE approved Teaching Laboratories and State-of-Art Hi -Tech Food Processing Research Laboratories. The facilities available at IIFPT are effectively explored through offering hands-on trainings, consultancy services, incubation services, quality testing and R&D support for food industry stake holders. Tailor made programmes are offered for

promotion of cottage level food industries, especially for farmers and women self help groups.

In pursuance of its corporate goals, IIFPT has forged strong links with and between the scientific and industrial community in India and abroad. The Institute has formal agreements with major R&D organizations/Universities for collaborative research, student and faculty exchange programs.

#### **About Vignan's Foundation for Science, Technology & Research University (VFSTRU)**

VFSTRU is an institute, which provides quality education in a diverse and intellectually stimulating environment. It imparts value addition training to students to make them competent and inspired engineers. The Institute celebrates the power of knowledge, cultivates vision and encourages new ideas, besides aiming to inculcate human values and build awareness about the self and society around.

The Institute is well known for its dedicated faculty, state-of-the-art infrastructure and excellent Placement Record. As a University, it is in the process of improving its standards to the level of a global technical institution. The latest curriculum has been prepared after consulting the institute's illustrious alumni working across the world, veterans from industry and distinguished academics possessing a rich teaching and research background.

The university has 11 departments offering 17 undergraduate programmes in technical education. It also offers 20 post graduate programmes including MCA and MBA. University acts in accordance to the societal needs and has come forward with starting emerging and innovative courses like Food Technology, Agricultural Engineering, Petroleum Engineering, Biomedical Engineering etc. It has tied up with various reputed Academia and Industries for collaboration in Research and Development. It encourages students to undergo practice school in different industries and institutions for making them ready for job. It envisages the overall development of the student to become a true professional in the field of study.

The University also encourages its staff to involve in Research & Development. Faculties are motivated to do research works by own or in collaboration with other institutes.

In addition to internal funding, Institute has bagged many externally funded projects from DST, AICTE, DBT etc.

Educational and academic exchanges are considered here to include but not limited to:

1. Long-term and short-term exchanges of faculty, students, and staff for purposes of teaching and research;
2. Exchange of visiting faculty, students, and staff;
3. Coordination of joint research, lectures, and training;
4. Development of mutually beneficial academic programs, courses, and distance learning facilities;
5. Exchange of documentation and research materials in fields of mutual interest provided that, to the best knowledge of the respective institutions, there is no prohibition at law or otherwise against the exchange; and,
6. Exchange of students for study and research.

whereas

- A. Details of the implementation of any particular student exchange or faculty-related activity resulting from this Memorandum of Understanding shall be negotiated between the two institutions as such specific case may arise and will be outlined in a Supplementary Student Exchange Agreement or Faculty Exchange Agreement between the institutions. Supplementary Agreements are subject always to availability of sufficient funds to the respective institutions.
- B. This Memorandum of Understanding reflects the respective institutions' commitments to both educational and academic exchanges as of the date of the Memorandum of Understanding. This Memorandum of Understanding may be amended or terminated at any time by either party provided that notice of termination or amendment is provided by the notifying party to the other party within thirty (30) days of the date on which the termination or the amendment is intended to become effective. Any amendment or termination shall not have effect on any arrangement in place at the time that the notice is provided, where the arrangement arises from any Supplementary Agreements resulting from this Memorandum of Understanding.



Both institutions subscribe to the policy of equal opportunity and will not discriminate on the basis of gender, age, disability, race, color, religion, marital status, veteran's status, national or ethnic origin, or sexual orientation.

This Memorandum of understanding will become effective immediately. It shall continue in effect for a period of five years and may be extended by mutual agreement. It may be terminated by either institution upon one-year written notification to the partner institution.

**IN WITNESS WHEREOF** the parties hereto have executed the **MEMORANDUM OF UNDERSTANDING** as of the date first written above.

For and on behalf of  
VFSTR UNIVERSITY




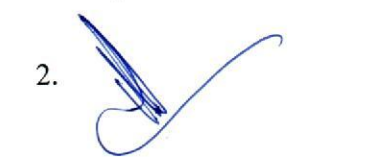
**Dean, Academics**

for and on behalf of  
INDIAN INSTITUTE OF FOOD PROCESSING TECHNOLOGY

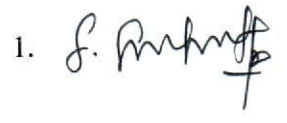
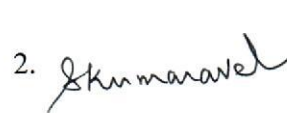


**Dr. C. Anandharamakrishnan**  
**(Director)**

**Witnesses**

1.   
2. 

**Witnesses**

1.   
2. 

# Memorandum of Understanding

Between

Optimal Technology Solutions

Coimbatore

and

Vignan's Foundation for Science,  
Technology & Research University (VFSTRU),  
Guntur, Andhra Pradesh



## Introduction

This MoU is for a joint collaboration between Optimal Technology Solutions (Optimizers), and Vignan's Foundation for Science, Technology and Research University (VFSTRU) for entrepreneurship initiatives and joint development and promotion of sustainable production of biogas utilizing biomass developed out of water hyacinth and the production and utilization of bio-fertilizers.

VFSTRU and Optimizers are mutually committed to improving collaboration with specific reference to socially relevant projects and of enabling students and faculty members to have a greater understanding of and sensitivity to other cultures and global issues facing our world community. The possibilities and the scope of academic and research activities that are mentioned in this MoU are aimed towards developing collaborative programs and fostering cooperation.

## Scope of MoU

**Optimizers** shall design and build the machinery for crushing the water hyacinths as required by VFSTRU, and install the same at Vignan's University.

**VFSTRU** shall test the machinery and use it for pilot testing the production of biomass from water hyacinths to yield biogas and bio-fertilizers

**Optimizers** shall enable the design changes that VFSTRU suggests after the pilot is completed to the machinery

**Optimizers and VFSTRU** shall collaborate in submitting proposals to various organisations including other universities, industrial parks, large companies, state and central government to market the model of sustainable production of energy (biogas) and soil nutrients (bio-fertilizers).

**Optimizers** recognizes and respects the intellectual property rights of VFSTRU to develop the biomass production system from water hyacinths

**Optimizers**, with its experience and thrust of promoting sustainable and socially relevant businesses, shall propose business models with different equity and debt participation for creating the market for the biomass production system from water hyacinths.

### **Investments**

**VFSTRU** proposes to build two machines for the pilot. This will be the initial investment for the project. The estimated investment (total costs) for the manufacturing of two machines is Rs. 4,25,000/- (Rupees four lakhs twenty five thousand only)

Investment share by VFSTRU: Rs. 3,25,000/-

Investment share by Optimizers: Rs. 1,00,000/-

The delivery and installation shall be undertaken by Optimizers at its costs

### **Implementation and other conditions:**

This agreement will be in effect **from the date of signing of this MoU** by both parties after which it may be reviewed after three years for possible extension. Either Party may terminate the agreement by written notification signed by the appropriate official of the installation initiating the notice. Such notice must be reviewed by the other party six months prior to the effective termination date. **However, obligations and commitments already contracted for and involving third parties shall be honored by both parties until such commitments are completed.**

This MoU overrides any prior discussion, correspondence, understanding that may and may not have taken place by and between the parties.

Signed and executed this day of Sixth February 2017 by the VFSTRU, Guntur, Andhra Pradesh and Optimizers, Coimbatore with the seals of both parties affixed herewith.

On behalf of VFSTRU, Guntur

On behalf of Optimal Technology Solutions, Coimbatore

Signature with date

Signature with date

Dr. M. S. RAGHUNATHAN  
Registrar, VFSTRU

Dr. GOBINATH M  
Director, Optimal Technology Solutions

Dr. B. RAMAMOORTHY, Rector

Signed in the presence of  
Dr. M.S. Shivakiran  
scientist, ANSO. Dean R&D

Signed in the presence of  
K.V. Pravee Leo Vivek  
GS MECHATRONIC CLINIC

Shivakiran.MS  
Signature of Witness

Signature of Witness

Seal of the University

Seal of the Company



Optimal Technology Solutions  
T-75, Kovaipudur,  
Coimbatore - 641 042.

## APPENDIX

### About the Partners:

Optimal Technology Solutions (Optimizers) is a startup operating from Coimbatore, led by industry professionals with experience in areas of economic research, information and communications technology (ICT), electronics and electrical engineering. Optimizers has a venture "Tech2G" – technology to grassroots – through which it enables reach of emerging technology to grassroots level business activities. It has successfully enabled use of opensource mapping tools for governance applications and is now in the process of creating a ICT driven equipment to support the handloom sector. In the past, the leaders of Optimizers have provided innovative solutions in the areas of textile engineering, business models for grassroots business with a combination of self-help groups financed by microfinance and local producers. The profile of the leaders of Tech2G is enclosed separately.

**Vignan's Foundation for Science, Technology and Research University** is situated at Valdamudi, Guntur Dist. Andhra Pradesh-522213. VFSTRU is one of the leading universities in India. Apart from providing the quality education, it also aims at inculcating human ethics and creating awareness about the society. The mission of this university is to provide high quality academic and research facilities, and to create real value to the society by training the students to compete and achieve outstanding results. VFSRTU vision is to evolve as a center of excellence in science and technology and produce competitive and world class professionals.



**VIGNAN'S**  
Foundation for Science, Technology & Research  
**UNIVERSITY**  
(Estd w/s 3 of UGC Act of 1956)

(ACCREDITED BY NAAC WITH 'A' GRADE)



## **MEMORANDUM OF UNDERSTANDING**

This Memorandum of Understanding made and entered on 02.10.2016, between

**Gangez Support Services Limited, Hyderabad**

**AND**

**Vignan's University, Vadlamudi**

### **Whereas**

**Gangez Support Services Limited** is engaged in the business of mentoring students and making them implement real time projects.

**Vignan's University, Vadlamudi** is engaged in providing education to the students in the capacity of an educational institution.

**Gangez Support Services Limited and Vignan University, Vadlamudi** have decided to work together for mutual benefit with respective expertise in their fields, in providing training to the students of the college. Both the parties intended to record the terms and conditions of the Memorandum of Understanding in writing.

**Now this Memorandum of Understanding witnessed that** in consideration of the mutual covenant contained herein, the parties have agreed as follows:

### **Period of Memorandum of Understanding:**

This Memorandum of Understanding is valid for a period of two years from the date it is signed by authorized representatives from both the parties.

### **Statement of mutual intention:**

First Party and Second Party hereby confirm their mutual intention to work together and co-operate with each other.

- The first party is expected to provide the internship opportunities for both the UG and PG students of VFSTR.

- Accommodation of the visiting company representatives will be taken care by Vignan University.
- Commutation will be taken care by respective individual who will be visiting from Hyderabad.

In witness whereof the parties hereto have hereunto set their hands and seals the day and year first above - written

**FIRST PARTY**

**Gangez Support Services Ltd**

*N. Sandeep*  
Name: *N. Sandeep*

Designation: *Manager*

Date: 02.10.2016



**SECOND PARTY**

**Vignan's University, Vadlamudi**

*M.S Raghunathan*  
Name: **Dr. M.S Raghunathan**

Designation: Registrar

Date: 02.10.2016



**Memorandum of Understanding (MOU)**  
**Between**  
**VFSTR (Deemed to be University), Guntur**  
**And**  
**Kapil IT Solutions**

This Memorandum of Understanding ("MOU") is entered into and effective as of 16<sup>th</sup> November 2016, by and between:

**Kapil IT Solutions** or Kapil IT Solutions is a strategic IT company, operates from Hyderabad in India, playing a proactive role in the accelerated growth of the IT Industry in the region. Kapil IT Solutions focused on providing a complete and diverse line of corporate business solutions and services to many vertical industries to improve and extend their business processes and exchange of business-critical information.

And

**Vignan Foundation for Science Technology and Research (Deemed To Be University)**, having its registered office at Vadlamudi, Guntur Dist., Andhra Pradesh-522213 and hereinafter unless the context otherwise requires be referred to as "VFSTR".

**Whereas:**

VFSTR and Kapil IT Solutions have entered into discussions on Kapil IT Solutions provision of free training assistance for job placements for students of VFSTR. Kapil IT Solutions Improves customer satisfaction, speed time to market, securely extends the value of investments. Kapil IT Solutions solutions let you extend and enhance Institute legacy with core business systems, and more securely, interact with businesses, employees, other government & non-government agencies.

Kapil IT Solutions and VFSTR desire to enter into this Memorandum setting out the terms and conditions under which the purpose and scope of this MOU will be achieved.

**Article 1**  
**Effective Date**

The Parties hereby agree that the Effective date of this MOU shall be the date on which it is signed. The preamble to this Agreement constitutes an integral part thereof.

**ARTICLE2**  
**Purpose and Scope**

**Purpose:** This MOU outlines the mutual cooperation between the two parties for helping in bridging the gap in employability skills by imparting suitable training especially, in rural



areas; help the academia understand the gap in skills and support them with industry specific inputs; and provide an opportunity to the all students by connecting them to the right jobs.

**Role and scope of cooperation:** The Parties agree to, in the spirit of mutual cooperation, use best efforts towards fulfillment of their respective obligations in achieving the purpose of this MOU.

This MOU outlines the commitments of both the Parties.

### **2.1 Commitments of VFSTR**

- Informing to VFSTR Campus Management about Kapil IT Solutions services and act as a platform for helping students find employment opportunities by linking with Kapil IT Solutions for hiring as a result Kapil IT Solutions will get qualitative man power in the form of students.
- Support Kapil IT Solutions by allowing putting posters and other awareness material for colleges to disseminate the information to students across campus on bulletin boards, notice boards, emails, etc.
- LinkedIn account or any other portal subscription has to be provided by the college until the candidate join with the Kapil IT Solutions.
- Institutional Logos can be used by either of the parties.

### **2.2 Commitments of Kapil IT Solutions:**

- Will visit VFSTR when there are job openings in Kapil IT Solutions.
- Provide access to Company mail id, web portal and mobile app for all the selected students in VFSTR.
- Help academia to understand the gaps in skills and areas of improvement
- Help bridge the gap in specific employability skills especially in rural areas and support them with industry specific inputs.
- Support VFSTR campus in increasing awareness of Kapil IT Solutions among students, colleges and universities by providing the required materials.
- Kapil IT Solutions will provide stipend to the student, who performed well and meet Kapil IT Solutions Management Expectations, particularly the lead has to be closed, w.e.f. January 2020.
- Institutional Logos can be used by either of the parties.

### **ARTICLE-3**

#### **Confidentiality**

3.1 This document is confidential. Both the parties agree to maintain in confidence, and not reveal to any person or body, rights and obligations of the Parties or any information or data which it receives through the other Pursuant to this Agreement. The provision of Confidentiality shall survive the termination of this MOU and continue to bind the parties.

3.2 Both parties hereby declare that they know that this undertaking will be in force during the validity of this MOU as well as at any time after this MOU is terminated.

3.3 Both parties declare that they know that the undertaking pursuant to this agreement is a pre-requisite for each party to enter into this MOU with the other, and that without this declaration each would not be willing to enter into an agreement with the other.

### **ARTICLE4**

#### **General Provisions**

4.1 Both Parties agree to maintain at all times, a one-point contact for undertaking and overseeing the initiatives listed out in this MOU. Any change in the contacts will be promptly notified to the other Party.

4.2 This MOU references good faith efforts by both VFSTR and Kapil IT Solutions and is an expression of the Parties' current intent and recognizes the fact that the execution of some of the terms of the MOU could require the Parties to enter into definitive agreements. It is understood that without such definitive agreements, the terms of the MOU are not legally binding and will not be relied upon by any party for any purpose and no party is or will be bound by the terms of this MOU, unless and until definitive agreements are signed.

#### **4.3 Term and Termination:**

This MOU may be terminated by:

- a) The execution by the parties of a subsequent agreement or by three years.
- b) Agreement of all the Parties to terminate or otherwise withdraw from MOU.

4.4 **Amendments:** Either party may request changes to this MOU. Any changes, modifications, revisions or amendments to this MOU which are mutually agreed upon by and between the parties to this MOU shall be incorporated by written instrument, and effective when executed and signed by all parties to this MOU.

4.5 **Applicable Law:** The construction, interpretation and enforcement of this MOU shall be governed by the laws of India. The courts of Bangalore shall have jurisdiction over

any action arising out of this MOU and over the parties, and the venue shall be Hyderabad, India.

4.6 This MOU supersedes all prior oral or written communication, discussions and representations communicated between the parties hereto in respect of the subject matter of this MOU.

4.7 Any notice under this MOU will be in writing and delivered by hand or by registered post acknowledgement due, to the other party at the registered office or as may be substituted by the notice. If any notice sent by e-mail, post will be effective on the date of receipt.

4.8 **Severability:** Should any portion of this MOU be judicially determined to be illegal or unenforceable, the remainder of the MOU shall continue in full force and effect, and either party may renegotiate the terms affected by the severance.

4.9 **Third Party Beneficiary Rights:** The parties do not intend to create in any other individual or entity the status of a third party beneficiary, and this MOU shall not be construed so as to create such status. The rights, duties and obligations contained in this MOU shall operate only between the parties to this MOU, and shall inure solely to the benefit of the parties to this MOU. The provisions of this MOU are intended only to assist the parties in determining and performing their obligations under this MOU. The parties to this MOU intend and expressly agree that only parties signatory to this MOU shall have any legal or equitable right to seek to enforce this MOU to seek any remedy arising out of a party's performance or failure to perform any term or condition of this MOU, or to bring an action for the breach of this MOU.

**Vignan University**

Authorized Signatory

Name: Dr. M.S Raghunathan

Position: Registrar

Date: 16.11.2016



**Kapil IT Solutions**

For Kapil IT Solutions,  
Gachibowli, Telangana

Authorized Signatory

Name: G. Mahesh

Position: Manager

Date: 16.11.2016

## **MEMORANDUM OF UNDERSTANDING**

**Between**

**Brillinat Bio Pharma Private Limited**

**Unnamed Road, Pashamylaram, Telangana 502307**

**and**

**VIGNAN'S FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH**

**(Deemed to be University)**

**Vadlamudi. Guntur, Andhrapradesh 522 213**

### **MISSION:**

In accordance with the mutual desire to enhance academia-industry interaction and promote knowledge sharing, Brilliant Bio Pharma Private Limited and VFSTR University enter into this formal statement of collaboration in the form of Memorandum of Understanding (MoU) with the objective of enabling students of the VFSTR University and academic staffs get acquainted with the procedures in Industrial Biotechnology.

### **OBJECTIVES:**

- To impart industrial training in the manufacture of diagnostic kits to students and faculty of Biotechnology VFSTR.
- To facilitate Brilliant Bio Pharma Private Limited to associate with academic environment.

### **Contribution from MIS Brilliant Bio Pharma Private Limited**

Industrial internship program in the R&D activities at Brilliant Bio Pharma Private Limited:

- In molecular biology and diagnostic research.
- Brilliant Bio Pharma Private Limited shall offer training to the students of VFSTR University in the above mentioned R&D activities
- Brilliant Bio Pharma Private Limited would facilitate the enrolment of a few number of UG& PG students for the internship programs in a calendar year subject to the students clearing Brilliant Bio Pharma Private Limited entrance test, interview and other basic HR requirements.
- The internship applicants should send their CV s to Brilliant Bio Pharma Private Limited and subsequently applicants would be invited for an online exam followed by interview of shortlisted candidates. Subsequently, selected interns would be assigned to an on-going study under a lead scientist.
- A small project summary may be included before the internship begins and every two months an assessment will be made by the lead scientist to help in the evaluation of students. At the end of the internship, a report will be prepared by the student/s for Brilliant Bio Pharma Private Limited's archives.

- This report would be scrutinized and approved by the lead Scientist at Brilliant Bio Pharma Private Limited and the VFSTR University faculty and Internship coordinator at Brilliant Bio Pharma Private Limited and then the same report will be shared with VFSTR University for grading purposes. Brilliant Bio Pharma Private Limited must provide an experience certificate after successful completion of internship if it finds the performance of the student satisfactory.
- The interns would be provided internship for duration of 6 months at Brilliant Bio Pharma Private Limited and Brilliant Bio Pharma Private Limited is not liable to pay them any scholarship or any other benefits.
- Brilliant Bio Pharma Private Limited and VFSTR University shall explore the opportunities of frequently conducting joint workshops on the current trends in Molecular biology, protein purification at their respective campus in Guntur. The training cost for all programs will be borne by the candidate(s) or delegates in a pre-determined manner.

#### **Contribution from VFSTR Deemed to be University**

- Being a Deemed University with latest infrastructure facilities, VFSTR provides avenues for several industries to associate in academic, industrial and entrepreneurial activities.
- Department of Biotechnology at VFSTR is sound in both basic and applied aspects of Biological research particularly in the areas of enzymology and immunology.
- In addition, Department of Biotechnology is having latest infrastructure for cell culture, analytical, microbiological and medicinal plant research.
- Therefore, there are several avenues that Brilliant Bio Pharma Private Limited can utilize the services at VFSTR particularly the faculty of Brilliant Bio Pharma Private Limited enroll PhD program and submit research proposal to national agencies.

#### **RESEARCH PUBLICATIONS AND PATENTS-**

- VFSTR University and Brilliant Bio Pharma Private Limited shall promote active interaction among their staff and explore possibilities for undertaking commercial or public funded joint research and development projects. Scientists of both institutions will be encouraged to apply for sponsored or funded projects keeping in view the interests and philosophies of the respective institutions.
- Research findings as a result of this collaborative work between VFSTR University and Brilliant Bio Pharma Private Limited shall be made available to the public after approval from both the parties.
- Research findings from a collaborative research project published by either party will give credit to other party's contribution including authorship, but the party publishing them will be entirely responsible for conclusions and interpretations reported.
- The right or proprietorship for any patents, products, technology development or other innovations, jointly developed by VFSTR University and Brilliant Bio Pharma Private Limited shall be jointly owned as per agreement to be signed by both parties on a case to case basis.

- Otherwise, both VFSTR University and Brilliant Bio Pharma Private Limited agree that any patents, products, technology development or other innovations produced by either VFSTR University or Brilliant Bio Pharma Private Limited during the period of MoU, where there are no technical contributions from either VFSTR University or Brilliant Bio Pharma Private Limited human resources, shall be the sole property of the respective institution.

#### **DURATION OF MoU**

- The Agreement shall be valid for a period of 5 years from the date of execution. The agreement may be renewed based on the performance and on mutually agreed terms and conditions.
- The agreement may be terminated in the event of either party having breached the terms and conditions mentioned above. In such a case, however the students already enrolled for the internship or undergoing internship at Brilliant Bio Pharma Private Limited or employees registered as Ph.D. student at VFSTR University shall continue and complete the internship/degree as per the provision of this agreement for which purpose the agreement shall be operative. Either party can terminate the agreement giving 30 days of notice.

#### **AMENDMENT TO THE MoU**

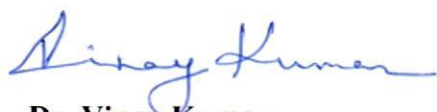
- During the operation of the MoU, circumstances may arise which may call for alteration in the MoU, which shall be mutually discussed and agreed upon by both parties. Amendments mutually agreed and duly signed by both the parties shall be included as an Annexure to the primary MoU document

#### **ARBITRATION**

- Any dispute arising with regard to any aspect of the Agreement shall be resolved through mutual consultation and by written consent by the two parties to the MoU. In case settlement is not arrived at, the dispute will come under the purview and provisions of the Indian Arbitration and Conciliation Act, 1996 of Government of India.

#### **JURISDICTION**

- In the event of any disputes between the two parties only the Courts of either Hyderabad or Guntur shall have jurisdiction. However no court case shall be preferred by either party until Arbitration has been resorted to and has proved unfruitful.



**Dr. Vinay Kumar**

**Sr.Scientist**

**Date: 25.07.2016**





**Dr. M.S Raghunathan**

**Registrar**

**Date: 25.07.2016**



**Memorandum of Understanding (MOU)  
Between  
VFSTR (Deemed to be University), Guntur  
And  
Crane Global Solutions Limited, Hyderabad**

This Memorandum of Understanding ("MOU") is entered into and effective as of 02.08.2016, by and between:

**Crane Global Solutions Limited** or CGSL is a strategic IT company, operates from Hyderabad in India, playing a proactive role in the accelerated growth of the IT Industry in the region. CGSL focused on providing a complete and diverse line of corporate business solutions and services to many vertical industries to improve and extend their business processes and exchange of business-critical information.

And

**Vignan Foundation for Science Technology and Research (Deemed To Be University)**, having its registered office at Vadlamudi, Guntur Dist., Andhra Pradesh-522213 and hereinafter unless the context otherwise requires be referred to as "VFSTR".

**Whereas:**

VFSTR and CGSL have entered into discussions on CGSL provision of free training assistance for job placements for students of VFSTR. CGSL Improves customer satisfaction, speed time to market, securely extends the value of investments. CGSL solutions let you extend and enhance Institute legacy with core business systems, and more securely, interact with businesses, employees, other government & non-government agencies.

CGSL and VFSTR desire to enter into this Memorandum setting out the terms and conditions under which the purpose and scope of this MOU will be achieved.

**Article 1  
Effective Date**

The Parties hereby agree that the Effective date of this MOU shall be the date on which it is signed. The preamble to this Agreement constitutes an integral part thereof.

## **ARTICLE2**

### **Purpose and Scope**

**Purpose:** This MOU outlines the mutual cooperation between the two parties for helping in bridging the gap in employability skills by imparting suitable training especially, in rural areas; help the academia understand the gap in skills and support them with industry specific inputs; and provide an opportunity to the all students by connecting them to the right jobs.

**Role and scope of cooperation:** The Parties agree to, in the spirit of mutual cooperation, use best efforts towards fulfillment of their respective obligations in achieving the purpose of this MOU.

This MOU outlines the commitments of both the Parties.

#### **2.1 Commitments of VFSTR**

- Informing to VFSTR Campus Management about CGSL services and act as a platform for helping students find employment opportunities by linking with CGSL for hiring as a result CGSL will get qualitative man power in the form of students.
- Support CGSL by allowing putting posters and other awareness material for colleges to disseminate the information to students across campus on bulletin boards, notice boards, emails, etc.
- LinkedIn account or any other portal subscription has to be provided by the college until the candidate join with the CGSL.
- Institutional Logos can be used by either of the parties.

#### **2.2 Commitments of CGSL:**

- Will visit VFSTR when there are job openings in CGSL.
- Provide access to Company mail id, web portal and mobile app for all the selected students in VFSTR.
- Help academia to understand the gaps in skills and areas of improvement
- Help bridge the gap in specific employability skills especially in rural areas and support them with industry specific inputs.
- Support VFSTR campus in increasing awareness of CGSL among students, colleges and universities by providing the required materials.



- CGSL will provide stipend to the student, who performed well and meet CGSL Management Expectations, particularly the lead has to be closed, w.e.f. January 2016.
- Institutional Logos can be used by either of the parties.

### **ARTICLE-3 Confidentiality**

3.1 This document is confidential. Both the parties agree to maintain in confidence, and not reveal to any person or body, rights and obligations of the Parties or any information or data which it receives through the other Pursuant to this Agreement. The provision of Confidentiality shall survive the termination of this MOU and continue to bind the parties.

3.2 Both parties hereby declare that they know that this undertaking will be in force during the validity of this MOU as well as at any time after this MOU is terminated.

3.3 Both parties declare that they know that the undertaking pursuant to this agreement is a pre-requisite for each party to enter into this MOU with the other, and that without this declaration each would not be willing to enter into an agreement with the other.

### **ARTICLE4 General Provisions**

4.1 Both Parties agree to maintain at all times, a one-point contact for undertaking and overseeing the initiatives listed out in this MOU. Any change in the contacts will be promptly notified to the other Party.

4.2 This MOU references good faith efforts by both VFSTR and CGSL and is an expression of the Parties' current intent and recognizes the fact that the execution of some of the terms of the MOU could require the Parties to enter into definitive agreements. It is understood that without such definitive agreements, the terms of the MOU are not legally binding and will not be relied upon by any party for any purpose and no party is or will be bound by the terms of this MOU, unless and until definitive agreements are signed.

#### **4.3 Term and Termination:**

This MOU may be terminated by:

- a) The execution by the parties of a subsequent agreement or
- b) Agreement of all the Parties to terminate or otherwise withdraw from MOU.

4.4 Amendments: Either party may request changes to this MOU. Any changes, modifications, revisions or amendments to this MOU which are mutually agreed upon by and between the parties to this MOU shall be incorporated by written instrument, and effective when executed and signed by all parties to this MOU.

4.5 Applicable Law: The construction, interpretation and enforcement of this MOU shall be governed by the laws of India. The courts of Bangalore shall have jurisdiction over any action arising out of this MOU and over the parties, and the venue shall be Hyderabad, India.

4.6 This MOU supersedes all prior oral or written communication, discussions and representations communicated between the parties hereto in respect of the subject matter of this MOU.

4.7 Any notice under this MOU will be in writing and delivered by hand or by registered post acknowledgement due, to the other party at the registered office or as may be substituted by the notice. If any notice sent by e-mail, post will be effective on the date of receipt.

4.8 Severability: Should any portion of this MOU be judicially determined to be illegal or unenforceable, the remainder of the MOU shall continue in full force and effect, and either party may renegotiate the terms affected by the severance.

4.9 Third Party Beneficiary Rights: The parties do not intend to create in any other individual or entity the status of a third party beneficiary, and this MOU shall not be construed so as to create such status. The rights, duties and obligations contained in this MOU shall operate only between the parties to this MOU, and shall inure solely to the benefit of the parties to this MOU. The provisions of this MOU are intended only to assist the parties in determining and performing their obligations under this MOU. The parties to this MOU intend and expressly agree that only parties signatory to this MOU shall have any legal or equitable right to seek to enforce this MOU to seek any remedy arising out of a party's performance or failure to perform any term or condition of this MOU, or to bring an action for the breach of this MOU.

IN WITNESS WHEREOF, the parties hereto have executed this Understanding on the date, month and year, hereinabove written

**VFSTR (Deemed To Be University)**

**CGSL**

Authorized Signatory

Authorized Signatory

Name: Dr. M.S Raghunathan  
Position: Registrar  
Date: 02.08.2016

Name: Ms.Jyothi.M  
Position: HR  
Date: 02.08.2016





## MEMORANDUM OF UNDERSTANDING

This memorandum of Understanding is entered and executed on this 30.09.2016 by and between Vignan's Foundation for Science Technology and Research University, Vadlamudi and FORSYS Software India Private Limited, Hyderabad.

1. Vignan's Foundation for Science Technology and Research University and FORSYS Software India Private Limited, Hyderabad hereby agree to encourage Industry-Institute co-operation through interaction and training in furtherance of the advancement of learning as stated below:
  - a. To encourage visits by staff from one institute to the other for the purpose of engaging in Training, Research and Development activities.
  - b. To facilitate the training of students from Vignan's Foundation for Science Technology and Research University at FORSYS Software India Private Limited, Hyderabad for the purpose of acquiring skill and advancement of practical knowledge.
  - c. To foster the exchange of Academic publications, scholarly information and state of art technologies.
  - d. To promote other academic activities such as development, of inter professional projects, which enhance the above mentioned goals.
2. Both the organizations acknowledge that the visits by staff and students from one to the other are subject to the regulations and policies of Vignan's Foundation for Science Technology and Research University and FORSYS Software India Private Limited, Hyderabad.
3. Both the organizations agree that the all expenses, including training material, travel, honoraria and all other costs shall be the responsibility of home institute and determined on a case-by-case basis. However, each side will make it best efforts to make available all its facilities to visiting staff and students.
4. Members from both the organizations may be invited to offer advanced courses at other's place as Adjunct faculty. Determining the length of course and compensation can be decided depending upon the resources.

5. Both the organizations agree to review this Memorandum of Understanding after five years following the date of signing and acknowledge that this Memorandum is subject to revision and termination at any time by mutual consent or by six months notice by either party.

On behalf of FORSYS Software India Private Limited



Name: Mr.J.Loknath

Designation: Personal Manager



On behalf of Vignan's  
Foundation for Science  
Technology and Research  
University



Name: Dr. M.S Raghunathan

Designation: Registrar

**REGISTRAR**  
**VIGNAN'S FOUNDATION**  
**FOR SCIENCE, TECHNOLOGY AND RESEARCH.**  
(Deemed to be University)  
VADLAMUDI-522 213  
GUNTUR (DISTRICT), A.P. INDIA

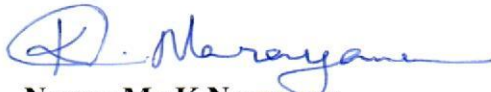
## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding is entered and executed on this **15<sup>th</sup> July 2016** by and between **Vignan's Foundation for Science Technology and Research University, Vadlamudi** and **Anthem Biosciences Private Limited, Bengaluru.**

1. Vignan's Foundation for Science Technology and Research University and Anthem Biosciences Private Limited, Bangalore hereby agree to encourage Industry-Institute co-operation through interaction and training in furtherance of the advancement of learning as stated below:
  - a) To encourage visits by staff from one institute to the other for the purpose of engaging in Training, Research and Development activities.
  - b) To facilitate the training of students from Vignan's Foundation for Science Technology and Research University at Anthem Biosciences Private Limited, Bangalore for the purpose of acquiring skills and advancement of practical knowledge by providing internships.
  - c) To foster the exchange of Academic publications, scholarly information and state of art technologies.
  - d) To promote other academic activities such as development of inter professional projects, which enhance the above mentioned goals.
2. Both the organizations acknowledge that the visits by staff and students from one to the other are subject to the regulations and policies of Vignan's Foundation for Science Technology and Research University and Anthem Biosciences Private Limited, Bangalore.
3. Both the organizations agree that the all expenses, including training material, travel, honoraria and all other costs shall be the responsibility of home institute and determined on a case-by-case basis. However, each side will make it best efforts to make available all its facilities to visiting staff and students.

4. Members from both the organizations may be invited to offer advanced courses at other's place as Adjunct faculty. Determining the length of course and compensation can be decided depending upon the resources.
5. Both the organizations agree to review this Memorandum of Understanding after four years following the date of signing and acknowledge that this Memorandum is subject to revision and termination at any time by mutual consent or by six months not either party.

**On behalf of Anthem Biosciences.  
Private Limited**



**Name: Mr.K.Narayana**

**On behalf of Vignan's Foundation  
for Science Technology and  
Research University, Vadlamudi**



**Name: Dr.M.S. Raghunathan**

**Designation: Manager - Operations**



**Designation: Registrar**

