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*S. Krishna*

S. KRISHNA MAI

Stamp Vendor  
44, E.N.T. Road, Porur, Chennai - 600 041

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MoU) is made on the 30<sup>th</sup> day of January 2018 at Chennai.

Between

Vels Institute of Science, Technology and Advanced Studies (hereinafter referred as VISTAS) with its Registrar placed at Velu Nagar, P.V.Vaithiyalingam Road, Pallavaram, Chennai-600117, Tamil Nadu, India.

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AARANYA BIOSCIENCES PRIVATE LIMITED., Plot No.16 and 17, M/S Golden Jubilee Biotech Park for Women Society, Siruseri Village, Fourth Main Second Cross, SIPCOT IT Park, OMR, NAVALUR- 603 103, Tamil Nadu, India, represented by its FOUNDER / MANAGING DIRECTOR, Dr. SAVITHIRI SHIVAKUMAR

*[Signature]*

Registrar

Vels Institute of Science, Technology & Advanced Studies (VISTAS)  
Velu Nagar, P.V. Vaithiyalingam Road,  
Pallavaram, Chennai - 600 117.

*[Signature]*



The University is governed by Board of Management and this is the highest statutory body of this University. The parties realize the benefits of sharing their expertise and enter into the formal statement of collaboration in the form of memorandum of understanding for the purpose of academic interaction and research activities beneficial to institute and industry.

**I. Purpose of the Agreement**

VISTAS and Aaranya Biosciences Private Limited jointly agree to subscribe to a relationship in order to promote the following activities between the two parties.

The parties collaborate, cooperate and interact to achieve the following scopes of this MoU.

1. The Parties intend to pursue collaboration on fundamental, academic research, related to Biotechnological applications.
  - 1.1. Examples of research works under the title to Biotechnological applications of screening and assay development, biochemical assays, microbiological screening and for the production of antibodies and diagnostic reagents in the field of medical and health care as well as product development in medical devices, diagnostics and health care.
  - 1.2. Research works under the title Genetics and Molecular Biology.
  - 1.3. Development of diagnostic kits and reagents in Genetics
  - 1.4. Animal cell culture projects
  - 1.5. Preclinical work involving invitro and in-vivo studies
2. Both parties exchange the technical expertise such as experimental procedures, instrumental knowledge and development of new protocols in Fields.
3. Both parties agree to exchange the expertise of their working staff under mutual convenience when requested by either Party. For example, Aaranya Biosciences private limited can request to utilize the expertise of VISTAS staff for their technical events. However, exchange of faculties or staff or scientist is to be done under mutual convenience of the Parties when such exchanges doesn't affect the normal functioning of the Parties. During Conferences, Seminars, Symposia and Workshops organized by either Party, above mentioned exchange of working staff may avail with mutual concerns.

*[Handwritten Signature]*

Registrar

Vista Institute of Science, Technology & Advanced Studies (VISTAS)  
Velas Nagar, P.V. Vutthyalangam Road,  
Pallevuram, Chennai - 600 117.

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*[Handwritten Signature]*





School of Engineering

Department of Bio-Engineering

Guest Lecture

The Department of Bio-Engineering (B.Tech Biotechnology) is conducting a guest lecture by Dr. Savithri (Managing Director, Aaranyaa Biosciences, Chennai) on the topic "Scope and Innovations in Biotechnology" for the II year and III year B.Tech Biotechnology students.

Topic	Venue	Date and time
Scope and Innovations in Biotechnology	Card Conference Hall	4 <sup>th</sup> October, 2017. 3.00 pm to 4.00 pm

Interested students can attend.

Signature of HOD  
HOD

Department of Biotechnology,  
School of Engineering,  
Vels University,  
Pallavaram, Chennai - 600 117.

## BIOGRAPHICAL SKETCHES

**NAME** : Savithiri Shivakumar  
**CURRENT POSITION** : Executive Director  
**CONTACT NUMBER** : +919445685023/25,  
**EMAIL** : [savithiri.shivakumar@gmail.com](mailto:savithiri.shivakumar@gmail.com)  
**EDUCATION DETAILS** : B.Pharm (Hons BITS, Pilani) M.Pharm, Ph.D (CMC&H)

**AREA OF EXPERTISE (SUMMARY):** Drug Discovery in Therapeutic areas (Inflammation- Autoimmune diseases, Metabolic disorders, Infectious disease, Cancer and Pain). CRO experience for Drug discovery support from Hit to Candidate Selection. Preclinical profiling of molecules for sponsor from hit validation to candidate selection .Screening, pre-formulation, physicochemical studies, and pharmacological studies, and pharmacokinetics and safety & toxicity studies.

### EXPERIENCE DETAILS:

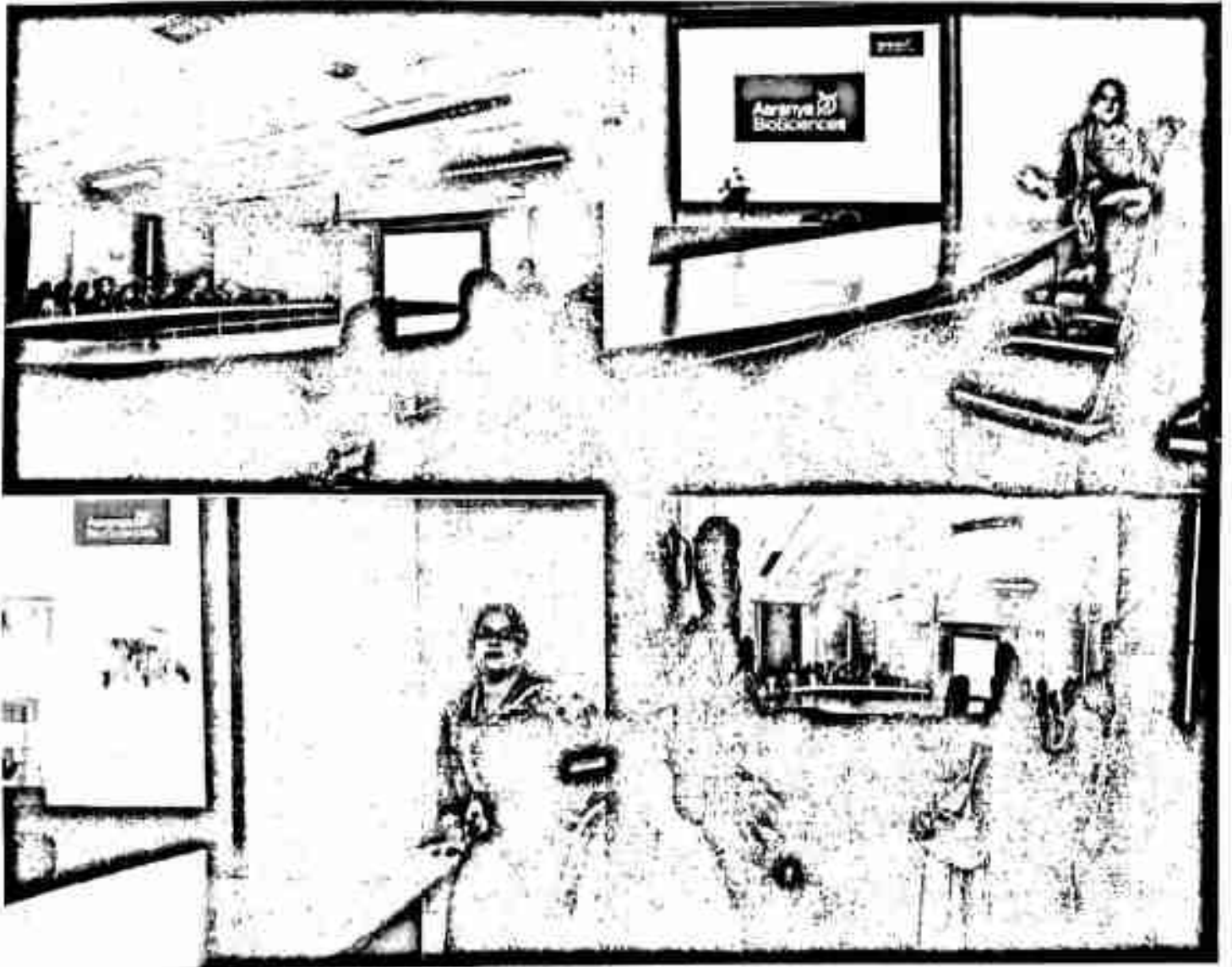
**Present Organization:** Aaranya BIOSCIENCES PRIVATE LIMITED

**Duration of Years (From – To):** July 2013 – TILL DATE

**Designation:** Executive Director and Founder

Establish the laboratory for studies pertaining to preclinical to clinical investigations. Set up in-vitro lab for cytogenetics, molecular and biochemical studies for the drug discovery, development and translational medicine projects. Established cell culture facility BSLII to handle cell lines and primary cells and facilitate screening of compound for their efficacy and activity in various therapeutic areas. Set up ADMET laboratory to screen the compound for their physicochemical and absorption, distribution, metabolism and toxicological profile. Toxicological and mutagenic studies are established. Genetic testing laboratory using techniques like FISH, ELISA, PCR are established. Established the genetic testing laboratory and personalized medicine approach programs to expertise in medical genetics for various disease for prevention and diagnosis and treatment. Collaborate with hospitals in providing genetic testing for prenatal, newborn and infertility clinics.

Guest Lecture given by Dr. Savithri Shivakumar for II and III year Bio-Engineering Students





# VELS

INSTITUTE OF SCIENCE, TECHNOLOGY  
& MANAGEMENT  
APPROVED TO BE AN AFFILIATE OF THE UGC, 1956  
NAAC ACCREDITED  
PALLAVARAY - ORIENTAL - INDIA

School of Engineering  
Department of Bioengineering  
III<sup>rd</sup> Year B.tech Biotechnology  
Internal Participants for RTBA 2018

S.NO.	REG.NO.	STUDENT NAME	SIGNATURE
1.	15614102	ABISHEK KUMAR YADAV	
2.	15614103	AKASH ARAVINDHAN	
3.	15614104	AKILASHREE	
4.	15614105	ANANTH VIKRANTH	
5.	15614106	ARUL GAYATHRI	
6.	15614107	BAGYA LAKSHMI	
7.	15614108	GAYATHRIS	
8.	15614109	GAYATHRI T	
9.	15614110	HEMASHREE T	
10.	15614111	HEMASUDHA T.S	
11.	15614112	JASMIN MONISHA	
12.	15614113	KANNAMIRUNAALINI	
13.	15614114	KARTHIKA	
14.	15614115	KAVITHA	
15.	15614116	LUVINCIA FERNANDO	
16.	15614117	PAVITHRA	
17.	15614118	PAVYA	
18.	15614119	PRASUNNASREE	
19.	15614120	ABISHEK BISWAL	
20.	15614121	SANJANA	
21.	15614122	SHALINI	
22.	15614123	SILARMILA	
23.	15614124	SWETHA	
24.	15614125	VENKATARAGAVAN	
25.	15614126	YUVARANI	
26.	15614127	AISHWARYA	
27.	15614128	ARAVINDH PRABHU	
28.	15614131	JAYASHREE	
29.	15614132	DEEKSHA	
30.	15614133	KRISHNA VENI	
31.	15614134	ZEBHA MOHAMMED ALI	

**VELS UNIVERISTY**  
**DEPARTMENT OF BIOENGINEERING**  
**B.TECH BIOTECHNOLOGY; II<sup>nd</sup> YEAR STUDENTS**

S.NO.	REG.NO.	STUDENT NAME	SIGNATURE
1.	1614101	ABIRLA M	Abir M
2.	1614102	ARCHANA JEEVAN	Archana Jeevan
3.	1614103	ARYAMAN DAS	Aryaman Das
4.	1614104	ASHARAF ALI G	Ashraf Ali G
5.	1614105	DEVASENA UMAIR	Devasena Umair
6.	1614106	DIVYASOUNDARYA S	Divyasoundarya S
7.	1614107	DWARAKANATH PR	Dwarakanath Pr
8.	1614108	FATHIMUTHU A	Fathi
9.	1614109	GOMATHY S	Gomathy S
10.	1614110	KARTHIKEYAN S	Karthikeyan S
11.	1614111	KIRUTHIGA R	Kiruthiga R
12.	1614112	LANCE ROHIT J	Lance Rohit J
13.	1614113	PAVITHRA A	Pavithra A
14.	1614114	PAVITHRA S	Pavithra S
15.	1614115	PRIYADHARSHINI K	Priyadharshini K
16.	1614116	PRIYADHARSHINI S	Priyadharshini S
17.	1614117	RAHINI SHREE V	Rahini Shree V
18.	1614118	RAHUL NATH	Rahul Nath
19.	1614119	RIA RAVELIN K	Ria Ravelin K
20.	1614120	ROSHINI S R	Roshini S R
21.	1614121	SANJANA M	Sanjana M
22.	1614122	SHIVANIKA C	Shivanika C
23.	1614123	THARAKESH	Tharakesh
24.	1614124	VIGNESH M P	Vignesh M P
25.	1614125	VISHNU VARDHANE	Vishnu Vardhane
26.	1614126	MUGUNTHAN P	Mugunthan P
27.	1614128	VISHAL BALAJIS	Vishal Balajis
28.	1614129	ARAVINDH C	Aravindh C
29.	1614130	VASANTH RAJ	Vasanth Raj
30.	1614901	SOFFIA.I	Soffia I