

Memorandum of Understanding between
Bright Stars Electronics
Pune (Maharashtra)
And
AKHIL BHARATIYA MARATHA SHIKSHAN PARISHAD'S
ANANTRAO PAWAR COLLEGE OF ENGINEERING & RESEARCH
Pune (Maharashtra)

for designing and development of
Machine Learning Model for detection of biomarkers for early prediction of disease onset

This Memorandum of Understanding (hereinafter referred to as MoU) is made on this 9th day of the month of Oct in the year 2021 by and between the **Bright Stars Electronics**, having its registered office at **Pune Maharashtra** [hereinafter called "**Bright Stars**"/First party], on the ONE PART and the **ANANTRAO PAWAR COLLEGE OF ENGINEERING & RESEARCH** having its headquarters at **Pune, (Maharashtra)** [hereinafter called "**APCOER**"/Second party] on the OTHER PART.

WHEREAS the "Bright Stars" is established on 1986, is involved in design, develop, manufacture, supply, installation and commissioning of special purpose equipments and systems consisting of mechanical, electrical, electronics, instrumentation and biomedical instruments, AND WHEREAS the "APCOER", established in year 2012, Approved by AICTE & Govt. of Maharashtra, Affiliated to Savitribai Phule Pune University having Identification No. PU/PN/Engg. /441/2012 Estd: 2012 College Code:6794 with Vision of "Committed to comprehensive development of students through quality technical education" and Mission "To Provide state of art infrastructure that shall create ambience to encourage novel ideas.

Bright Stars and APCOER have already signed one MoU on 24th April 2017 for close collaboration for Training and internships for students.

Both the parties, have been in discussion about possible collaboration and engagement in field of Analysis of Biomarkers and allied activities, and have decided to enter into a long-term collaboration for Design and Development of Machine Learning Model for detection of biomarkers for early prediction of disease onset, and for submitting joint project proposal under Advanced Manufacturing Technologies (AMT) Program to Department of Science & Technology (DST) Technology Development & Transfer (TDT) Division.

APCOER team has developed an initial Proof of Concept for detection of biomarkers which would be further improved for making it a commercially viable product through joint design and development efforts by Bright Stars and APCOER teams.

Scope of MoU

- 1) Bright Stars and APCOER teams will work together to submit detailed techno-commercial proposal on or before 15th Oct 2021.
- 2) Detailed technical scope, role and responsibilities will be captured in the proposal as per template provided by Department of Science & Technology (DST) Technology Development & Transfer (TDT) Division (DST/AMT/Application_Format_2021).
- 3) Bright Stars has suggested to include APCOER professors' as consultants / project guide, who will be considered in the project as human resources, with a budget, with full time resources that can be hired for project execution.
- 4) APCOER students will be allocated part time and their efforts can be budgeted in proposal.
- 5) Any design information (including but not to limited circuit diagrams, electronic designs, software, tools, AI & ML models and database) will be covered under stringent NDA between Bright Stars and APCOER. Both parties should not share design information with any one without written consent from the other party.
- 6) There are few patenting opportunities and we (Bright Stars and APCOER) will own these IP jointly.
- 7) In this proposal only Bright Stars will be industry partner so as to limit owners of IP generated. Other companies will be involved after mutual agreement.

- 8) Bright Stars and APCOER will be able to use this design for their own manufacturing and sales but won't be able to sell IP to any third party without approval (and consideration) from both the parties.
- 9) If IP to be sold to a third party, then it would be done jointly by Bright Stars and APCOER on mutually agreed terms and pricing.
- 10) Bright Stars will be able to handle mechanical, electronics, AI ML and IoT design and development within a given budget, deploying resources as per DST budget and leveraging APCOER professors' bandwidth committed.
- 11) Bright Stars and APCOER will take the joint responsibility of execution of the project if funds budgeted are made available from time to time.
- 12) After winning this proposal, Bright Stars and APCOER will open up a No Lien joint account so that fund utilization will be restricted to approved project execution as per budget heads submitted in the proposal.
- 13) Bright Stars's decision about any particular design scheme would be final. Both the parties will be open for technical discussions to arrive at a final design. However, due to prior experience of developing similar technology, Bright Stars will be taking the final decision explaining reasons to the APCOER team as desired.
- 14) Bright Stars and APCOER specific team members will be participating in technical discussions with the DST team so as to ensure winning this proposal.
- 15) Team composition, names of PI, CO-PI and mentors will be decided mutually with the objective of winning this proposal.

This MoU has been executed in two originals, one of which has been retained by the Bright Stars and the other by the APCOER.

IN WITNESS WHEREOF, the parties have executed this MoU and represent that they approve, accept and agree to terms contained herein.

<p>(Name and Address of the Bright Stars) Name: Mr. Atul Avinash Kulkarni Bright Stars Electronics Pvt. Ltd. 43/2, Eranwane, Off Karve Road, Pune, Maharashtra- 411038 Tel No.: 020-25430768 Mobile No.: 09423507980 Date: 09th Oct 2021</p>	<p>(Name and Address of the APCOER) Name: Hon. Mrs. Pramila B Gaikwad Designation: General Secretary A.B.M.S. Parishad Pune Name: Dr. Sunil B. Thakare Designation: Principal Name: Prof. Sneha S. Salvekar Designation: Head of Artificial Intelligence and Data Science Department Date: 09th Oct 2021</p>
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Signature and Seal


Witness 1

Witness 2

Signature and Seal



Witness 1

Witness 2


