



ଓଡ଼ିଶା ओडिशा ODISHA

37AA 809280

MEMORANDUM OF UNDERSTANDING (MOU) BETWEEN  
SAKROBOTIX LAB, Startup Centre - IIT Bhubaneswar  
AND  
Jaipur Engineering College and Research Centre

This is an agreement between "Party A", hereinafter called SAKROBOTIX LAB, BHUBANESWAR, ODISHA, INDIA and "Party B", hereinafter called Jaipur Engineering College and Research Centre, Jaipur, INDIA (JECRC).

I. PURPOSE & SCOPE:

The purpose of this MOU is to clearly identify the roles and responsibilities of each party. The MOU is intended to establish a mutual agreement **in establishing a Robotics Research Centre in the Campus of JECRC, providing Internships to JECRC Students and to engage the students in Robotics training and also offering Robotics product development exposure.**

II. BACKGROUND:

**SakRobotix Lab Pvt Ltd**

SakRobotix is an Indian Robotics Startup headquartered in Startup Centre, IIT Bhubaneswar that designs, develops, research, and sells Robots, Robotics DIY KIT, Robotics toys and offers online robotics education. The company's hardware product includes 35 different

For SakRobotix Lab Pvt. Ltd.

*LAX*  
*Mahapatra*  
Managing Director

*V. P. Singh*  
Jaipur Engineering College and Research Centre  
20/05/2020

No 11916  
28/4/17  
10/1  
Some Rotation was put in  
Not on 7th, 1st floor  
Some Major - Bhubaneswar

DISTRICT TREASURY  
KHURDA, BHUBANESWAR  
27 APR 2017  
88  
ADDL. TREASURY OFFICER

Chandrasekhar Jagan  
SIGNATURE OF PURCHASER

28/4/17  
NIRANJAN NANDI  
STAMP VENDOR  
BHUBANESWAR COURT  
REGD. L. NO-3/92  
ID.No-8



Robotics DIY(Do it yourself) learning kit , the robotics teddy bear , the stair climbing robot and the teaching robot. SakRobotix's edutech platform Gyanx is a open robotics learning platform with unique robotics application orient courses. SakRobotix have trained more than 1 Lakh students on robotics since its inception by organizing various robotics workshop & programs across India. The company establishes, "SakRobotix Research Centre" across premium institute/university as an Industry institute Partnership Program where the company focuses on engaging students into robotics product development and produces outcome as product with patent. SakRobotix establishes its franchises to make available of quality robotics education across India. The company is in the journey making India the next robotics capital of the world

### **JECRC College**

Jaipur Engineering College & Research Centre (JECRC) is recognized as one of the best Technical Institutions in Rajasthan and is aiming to adapt to the changes that the Technical Education demands today at the global level. The College situated at Tonk Road, Jaipur, established in the year 2000, conducts six UG courses viz., Computer Science & Engineering, Information Technology, Mechanical Engineering, Electronics & Communication Engineering, Electrical Engineering and Civil Engineering. The College is approved by the AICTE, New Delhi and affiliated to Rajasthan Technical University, Kota (Rajasthan). The College student strength exceeds 4500 and has an active collaboration with several industries. Our alumni have been placed in industries of repute and have also been pursuing higher studies at prestigious universities. It enjoys an enviable patronage so much so that it has become the most sought-after for students with a variety of academic pursuits.

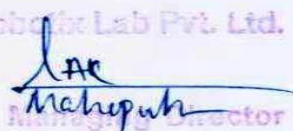
### **III. SAKROBOTIX LAB RESPONSIBILITIES UNDER THIS MOU**


1. Each and every SakRobotix RC members will receive a membership club identification card.
2. 6 Full days 100% hands on Engagement, exclusively for all the, "SakRobotix RC" Members at the College premise, with the schedule 3 days (initial hands on session) + 1 day (Product development) + 1 day (Product Development) + 1 day (Product development).
3. Robotics kits & components FOR the SRC:-

**Robotics Kits& Component :-** ( These kits have multiple sensor , robot development board , dc motor ,wheels , mechanical body ,connectors & respective component as per the robot)

1. Autonomous robotics kit Box - 6 No's
2. Underwater robotics Kit Box - 6 No's
3. BreadBotix Robotics Kit Box - 6 No's

For SakRobotix Lab Pvt. Ltd.

  
Mahipal  
Managing Director

  
V. R. Desai  
PRINCIPAL  
Jaipur Engineering College &  
Research Centre  
Tonk Road, Jaipur  
Rajasthan

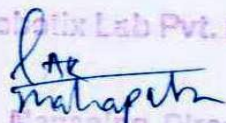



## Robotics Lab Components:-

1.	No's
2.	
3.	No's
4. IR Sensors Obstacle sensor	- 6 No's
5. Humidity Sensor	- 2 No's
6. Temperature sensor	- 6 No's
7. Light Sensor	- 6 No's
8. Ultrasonic sensor	- 2 No's
9. DC Motor	-6 No's
10. wheels	-6 No's
11. Castro wheel	-3 No's
12.4 Wheel robot car chassis kit	- 3 No's
13.Hacksaw	-1 No's
14.Hammer	-1 No's
15.C-Clamp	-6 No's
16.Wire Strippers	- 5 No's
17.Digital Multi Meter	- 4 No's
18.Soldering iron	- 4 No's
19.soldering stand	-4 No's
20.coded wire	- 20 meter
21.12 volt dc power supply adapter	-4 No's
22.De-soldering gun	- 2 No's
23 BreadBoard	- 4 No's
24.Basic electronics components	- 1 set
25.Resistor Box	- 1 No's
26.Capacitor Box	- 1 No's
27.Transistor, LED )	- 2 Box
28.Relay DPST	- 4 No's
29.555 ic	- 4 No's
30.buzzer	-4 No's
31.Zero PCB	-10 Pcs
32.PCB hand drilling tool	- 2 pcs
33.Single stand wire	- 10 metre

4. Involving the SakRobotix RC members in the Research and Product Development.
5. SakRobotix will form Research teams and assign product development assignments to the SakRobotix RC members and prepares a product development road map.
6. SakRobotix will monitor the development and help the students to complete the product development
7. SakRobotix Robotics Engineers will visit the campus at least 1 time every quarter.
8. During Research, if any Intellectual property will come as an output, then it will equally share among the below 3 parties:
  - Innovators (Research Team)
  - College; where SakRobotix RC is set up
  - SakRobotix Lab Private Limited

For SakRobotix Lab Pvt. Ltd.

  
Managing Director

  
V. K. Desai  
Jaipur Engineering College &  
Research Center  
B-Block, Jaipur - 302 005

8. SakRobotix RC Student members will get 20% discount in any training program offered by SakRobotix.
9. SakRobotix RC members will Rs.2000/- discount coupon for any courses on Gyanx.com.
10. Regular Technical support through Online.
11. The student members of the RC will improve their robotics and embedded skill set continuously.
12. The student & faculty research work will be covered in our online Robotics magazine, "Robotics Guru".

#### IV.

#### IMPLEMENTATION UNDER THIS MOU

The Organization should appoint at least one coordinator to manage the equipment and to organize the online classes.

SRC Setup infrastructure Requirements from the college side:

1. Dedicated Room for establishing Research Centre
2. At least 25 plug points
3. 2-4 No of computers
4. Variable DC Power supply
5. 1 Black Board
6. 1 White Board
7. Projector is preferred
8. Robot test bed (Customized Robotics testing arena) made by plywood & color painting as attached
9. 8 No of Tables size 8\*4 square feet & stools
10. 100 No of Students membership
11. Water facility is preferred

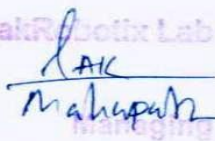
#### V. FUNDING:

"SakRobotix RC"-Membership fees per student for first year = Rs.1700.00

Annual renewal of the, "SakRobotix RC" membership = Rs.1400.00

The Organization should do the payment in the form of Cheque/ DD/ Bank Transfer

For SakRobotix Lab Pvt. Ltd.

  
A.K.  
Mahapatra  
Managing Director

  
V. K. Singh  
PRINCIPAL  
Jalpur Engineering College &  
Engineering Institute  
Jalpur, Jharkhand  
Ph: 383 905



## VI. CONFIDENTIALITY:

Both Parties agree that with respect to any information which the disclosing Party advises the other is deemed to be "Confidential Information". Confidential Information shall mean all information of the disclosing Party, whether commercial, financial, technical or otherwise, disclosed to the recipient whether disclosed orally, in documentary form, by demonstration or otherwise) which is contained in any form whatsoever (including without limitation data, drawings, films, documents and computer readable media) and which is marked or otherwise designated to show expressly or by necessary implication that it is confidential or proprietary to the disclosing Party and both Parties agree -

a) To use such Confidential Information only in the performance of the services as stated under this MoU;

b) Not to disclose any such Confidential Information or any part thereof to a person outside the Party's business organization for any purposes; and,

c) To limit dissemination of such Confidential Information to persons within the Party's business organization, who are directly involved in the performance of services under this MoU and have a need to use such Confidential Information for purposes of such services.

d) Confidential Information shall not include information that -

I. is as of the time of its disclosure part of the public domain; or can be shown to have been in the possession of recipient Party as evidenced by written records.

II. Is required to be disclosed pursuant to court order or government authority, whereupon the receiving Party shall provide notice to the other Party prior to such disclosure.


## VII. COMMUNICATION:

All communications between the Parties regarding this MoU and all subsequent discussions until the signing of the subsequent agreements shall be done with SakRobotix Lab Pvt. Ltd.

## VIII. GOVERNING LAW:

This MoU shall be governed and construed in accordance with the laws of India. The Parties agree to submit any dispute or difference of opinion arising out of or in any way related to this MoU, to the exclusive jurisdiction of Courts at Bhubaneswar.

For SakRobotix Lab Pvt. Ltd.  
  
Managing Director

  
V. K. Jena  
Jaipur Engineering College &  
Research Center  
Tonk Road, Jaipur - 302 005

IX. EFFECTIVE DATE AND SIGNATURE:

This MOU shall be effective upon the signature of Parties A and B authorized officials. It shall be in force from 10<sup>TH</sup> OCTOBER, 2017. Parties A and B indicate agreement with this MOU by their signatures.

For SakRobotix Lab Pvt. Ltd.

*SAC Mahapatra*  
Managing Director 12/10/2017

**Mr. Sakyasingha Mahapatra**  
**MD & CEO**  
**SakRobotix lab. Pvt. Ltd.**

*V. Chandna*  
23/10/17

**Dr. Vinay Kumar Chandna**  
**Principal**  
**Jaipur Engineering College & Research Centre**

Party 1:

Witness 1:

Name: *Tanveer Akbar Daler*

Signature: *Tanveer*

Witness 2:

Name: *Ashish Patra*

Signature: *Ashish*

Party 2:

Witness 1: \*

Name: \* *Radhika Sagar Agrawal*

Signature: \* *[Signature]*

Witness 2: \*

Name: \*

Signature: \*