



# **ATRIA INSTITUTE OF TECHNOLOGY**

1<sup>st</sup> Main, Ag's Colony, Anand Nagar, Bangalore- 560024

## **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**CoE - Cloud Computing & Big Data:CCBD**



Cloud Computing & Big data Centre of Excellence is set up with the support of VGST - Vision Group of Science and Technology, Govt. of Karnataka, India.

K-FIST - L1 funds we received in the year 2015-16 and procured a Tower Server, Blade Server and NAS in the year 2017. With this available computing facility we got projects/ datasets from KRSAC(Karnataka State Remote Sensing Applications centre) , UAS(University of Agricultural Sciences), KVAFSU(Karnataka Veterinary Animal and Fisheries sciences University) and completed Internships and Projects for UG and PG Students over three years now.

Equipments available:

1. Tower Server - A computer intended for use as a Server and built in an upright cabinet called as Tower and it stands alone. Advantage of a Tower Server is its cooling capability and Scalability.
2. Blade Server - Blade Server is a stripped down server computer with a modular design optimized to minimize the use of physical space and energy. Blade servers are mainly used to minimize space and power consumption.
3. Network attached storage is a file - level computer data storage server connected to a computer network providing data access to heterogeneous group of clients.

## Activities @ CoE - Jul 2018 - Jul 2019

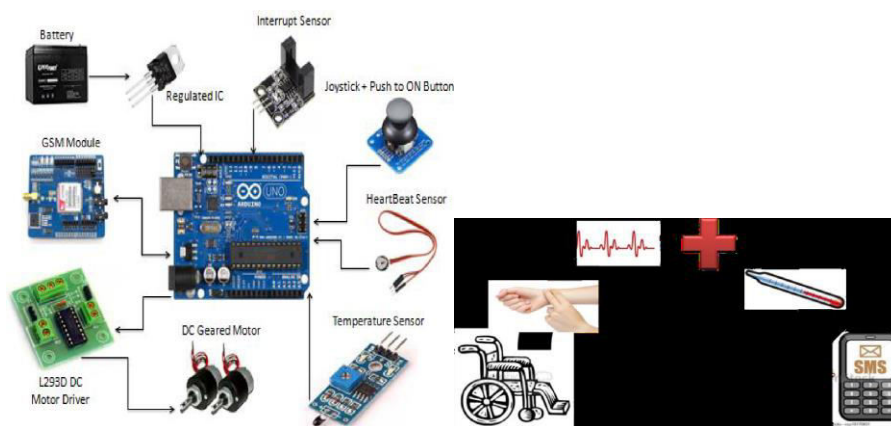
### Project Exhibition

@CoE , We conducted the Project expo on IoT Named as Chrysalis – 2k19. A brief Introduction on the same,

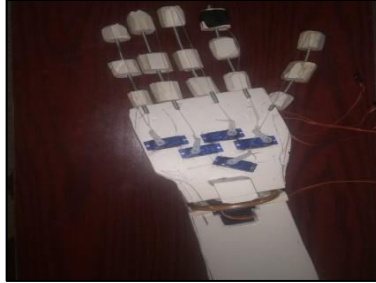
The Chrysalis Project expo 2019 event was held on 23<sup>rd</sup> of May. Chrysalis was the most awaited event of the CS&E Department of Atria Institute Of Technology and it met all of the expectations and was a huge success.

The standout projects were the Smart wheelchair, moss air purifier, Pablobot, Home Automation, Soil Moisture Detection and many more. Juries were also invited to judge the projects and the 1<sup>st</sup> place was bagged by a team from Atria Institute Of Technology and second by HKBK college of engineering. This event was coordinated by Mrs. Hemalatha KN, Assistant professor (CS&E Department).

**The Wheel IoT**- the Smart wheel chair whose main objective of this project is to felicitate and increase the movement of people who are handicapped and the ones who are not able to move freely. Therefore, we are coming up with a design of a wheelchair-WHEELIOT which is controlled by a JOYSTICK. It includes OBSTACLE AVOIDANCE TECHNIQUE accompanied with an EMERGENCY BUTTON and a Health monitoring system.



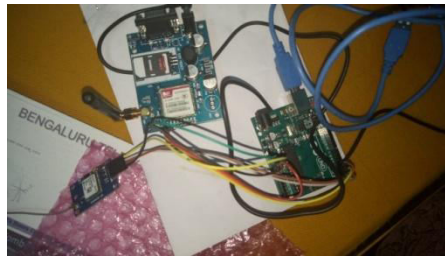
**The Robotic Arm** Robot arms work with an outside user or by performing predetermined commands. Nowadays, the robotic arms are well developed in every field. some of them are the industries and medical sectors. Designed and realized in the project, the robot arm has the ability to move in five fingers with 5 servo motors.



**Deepavruksha** is an innovative solution for detecting and locating a person who's is in grave danger. It is also a smartphone synced mobile object .If it detects any life threatening, the phone synced to it will receive message saying that the person is in trouble.

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A GPS tracking unit is a GPS device, normally carried by a moving vehicle or person, that uses the Global Positioning System (GPS) to track the device's movements, at intervals, and to determine its location. You will receive a message from the sim you inserted to the GSM Module.You can now see the location where he/she is.



At the research centre projects from KRSAC, Bangalore LU/LC(Land Use & Land Computation) , Soil Quality monitoring, Ontology based classification of leaves and Soil Depletion were done.

The Dept of CSE also have projects done in research centre on VoIP, Ascertaining the peak hour of VoIP traffic handling capacity of given low bandwidth with Wi-Fi AP and RF links and network integration including backbone network.

Projects from NCBS, Bangalore on Unlocking the potential of Minor Millets were done at RC.

## Activities @CoE - Jul 2018 - Jul 2020

### Consultancy Projects

# KRYTERION TEST CENTRE - MOU



#### Memorandum of Understanding

This Memorandum of Understanding is made on this day the 19<sup>th</sup> July 2017, by and between the following parties:

#### **PARTY A**

**P. SANKARI**  
Tel: 9900604369

**Company Name** : Parkus Technologies Pvt Ltd.  
**Location** : 12, 1st Floor,  
Dental College Main Road  
Munnekolalu, Marathahalli  
Bangalore – 560 037 - INDIA

#### **PARTY B**

**Dr. K.V. NARAYANSWAMY**  
Tel: 9980852708

**Company Name** : Atria Institute of Technology  
**Location** : ASKB Campus, 1st main,  
AGS colony, Anand Nagar  
Bangalore-560024  
Karnataka

*In this partnership agreement PARKUS Technologies Pvt. Ltd. is referred to as the Party A and Atria Institute of Technology as Party B and both together as "The Parties".*

PARKUS PVT Ltd and Atria Institute of Technology understand to work in partnership for the purpose of:

- Kryterion, PSI Testing center partnership

Parkus Technologies Pvt. Ltd. provides a range of training and career development consulting services to international students, universities and colleges for further studies and research programs. It also provides strategic guidance and expert advice for internationalisation and global engagement of universities, breaking the cultural, location and language barriers with local partners.

#### **Atria Institute of Technology**

The Atria Institute of Technology was established in the year 2000. Atria Institute of Technology, a unit of the distinguished Atria group. "A S Kuppa Raju & Brothers Charitable Foundation Trust" was founded in 1984. The trust owns and manage different educational institutions and has a rich experience in the area of education.

Atria group owned by this trust has diverse interests in Construction, Power Generation and Information Technology with more than 20 years of experience.



## Memorandum of Understanding

### A. Partnership Framework

This MoU main goal is to work on a mutual frame work with the following goals:

- Coordination and oversight of the establishment, development and review of the Kryterion exam centre

### B. Revenue

Revenue derived from this agreement shall be specified in a separate legal partnership agreement contract between PARKUS and ATRIA. The following revenue is expected and to be discussed and to be agreed on:

- Payments per exam delivered to Atria college

### C. Commencement and Duration

This MOU shall take effect on and from the date that it is signed by all Parties.

### D. Expenses


It is the sole responsibility of **Party A** and **Party B** to pay for their own expenses occurred during the establishment of this partnership unless as agreed between the **Parties** in writing.

### E. Signatures

PARTY A	
<b>COMPANY</b>	PARKUS TECHNOLOGIES PVT LTD
<b>Name</b>	SANKARI P
<b>Position</b>	MANAGING DIRECTOR
<b>Signature</b>	<p>For PARKUS TECHNOLOGIES PVT. LTD.</p> <p>P. Sankari 31/07/2017 Director</p>
<b>Date</b>	26 <sup>th</sup> July 2017

**Memorandum of Understanding**

**PARTY B**

<b>COMPANY</b>	Atria Institute of Technology
<b>Name</b>	DR. K.V. NARAYANSWAMY
<b>Position</b>	PRINCIPAL
<b>Signature / Stamp</b>	 Dr. K.V. Narayanswamy B.E., M.E.M.Tech., Ph.D Principal Atria Institute of Technology Anandanagar, Bangalore - 24
<b>Date</b>	26 <sup>th</sup> July 2017

## Proctor Details

### KRYTERION CERTIFIED PROCTOR

1. **Prof. Vijay Swaroop A**  
Asso. Professor  
Dept. of CS&E  
[vijayswaroop@atria.edu](mailto:vijayswaroop@atria.edu)  
+91 8971195674

This certificate is to acknowledge that  
*Vijay Swaroop*  
has successfully completed all requirements  
to achieve the designation of a  
**KRYTERION CERTIFIED PROCTOR**

Kryterion, Inc  
Manager of KTN Services and Support



**2. Mr. Sathisha G**  
**Asst. Professor**  
**Dept. of CS&E**  
[sathisha@atria.edu](mailto:sathisha@atria.edu)  
**+91 9141870304**

This certificate is to acknowledge that  
*Sathisha Gopal Reddy*  
has successfully completed all requirements  
to achieve the designation of a  
**KRYTERION CERTIFIED PROCTOR**

Kryterion, Inc  
Manager of KTN Services and Support

## Revenue Generation from CCBD COE

<b>Kryterion Amount Paid to Atria</b>			
S.No	Date	Period	Amount
1	01.11.18	July 18 to Sep 18	22,600.00
2	02.02.19	Oct 18 to Dec 18	34,548.00
3	04.06.19	Jan 19 to Mar 19	41,894.61
4	29.07.19	April 19 to June 19	56,443.39
5	29.10.19	July 19 to Sep 19	16,070.00
6	21.01.20	Oct 19 to Dec 19	59,024.50
7	28.04.20	Jan 19 to Mar 20	61,272.00
<b>Total Amount Paid</b>			<b>2,91,852.50</b>

## **Activities @CoE - Aug 2020 - Jul 2021**

### **Activity 3 - Entrepreneur's day**

We have conducted Entrepreneur's day celebrations on Aug 23, 2020 in association with AWS. We had 19 teams who participated in AWS Start-up. All participants actively participated and we received good start-up plans. Details are attached.