ANNUAL REPORT FOR RPA COE AT KJSIEIT
2018-2019

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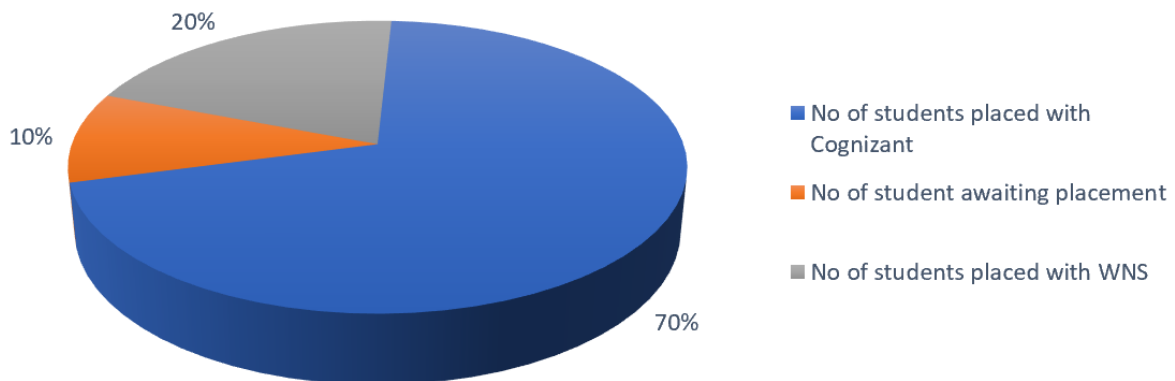Mob: +91 962 000 7678

EXECUTIVE SUMMARY

The Key Achievements of RPA CoE are:

- Number of students selected for RPA CoE (18 in final year)   -   30
- Number of students eligible for placement (3 had low marks)   -   15
- Number of students not wanting a job (higher education)   -   5
- Number of students for placement   -   10
- As of now, number of students placed with **Cognizant**   -   7
- As of now, number of students placed with **WNS**   -   2
- **Robonomics AI**'s potential offer to hire for on-site (Australia) placement: **INR 25,00,000** p.a.

The objective to offer RPA (Robotic Process Automation) CoE (Centre of Excellence) was the first step to prepare students for the future jobs. We started with RPA but brought in other technologies like Machine Learning (ML), chatbots for the students on live use cases basis.

CoE Placement Snapshot of eligible students

- No of students placed with Cognizant
- No of student awaiting placement
- No of students placed with WNS

OBJECTIVE OF RPA COE

The objectives of the RPA CoE are

- Make students employable
- Increase the average salary
- Prepare students industry ready
- Position students in the industry not as freshers but as experienced certified consultants
- Bring in industry stalwarts to the college to impart experiences
- Bring industry requirement/projects from which students can learn and faculty members can upskill with current technologies in the market

KEY ACTIVITIES UNDER RPA COE

KEY ACTIVITIES	DATE	INDUSTRY STALWARTS & ROBONOMICS AI TEAM MEMBERS
Ice Breaker Session	20th Jul 2018	Tejus & Ashutosh
RPA CoE Inauguration	18th Aug 2018	Raghu/Samir/Murali/Tejus/Amit/Ashutosh
Online Guide for UiPath	20th Aug 2018	Harish/Ashutosh
Software Installation	20th & 21st Aug 2018	Ashutosh
NDA shared to be signed	21st Aug 2018	Ashutosh
Query Resolving for Online Content	21st Aug - 12th Sep 2018	Harish/Amit/Ashutosh
Technical and project support	21st Aug 2018- 30th Mar 2019	Harish/Amit/Ashutosh
Boot Camp	13th Sep 2018 – 17th Sep 2018	Harish/Amit/Ashutosh
Live Use Case	18th Sep 2018	Harish/Amit/Ashutosh
Preparation for NBA Accreditation	24th Oct 2018	Harish/Amit/Ashutosh
UiPath Level 1 Certification	15th – 30th Dec '18	Harish/Amit/Ashutosh
UiPath Level 2 Certification	15th – 30th Dec '18	Harish/Amit/Ashutosh
Alumni AGM	15th Sep 2018	Ashutosh
Industry Requirement for placement and internship	23rd Nov 2018	Ashutosh
UiPath Level 3 Certification	January 2019	Harish/Amit/Ashutosh
Masters Course Meeting	January 2019	Samir/Gaurav/Ashutosh
Resume Writing for students	March 2019	Ashutosh
Mock Interview of students	29th Mar 2019	Harish/Amit/Ashutosh
Technical & Knowledge Gathering Event	16th Mar 2019	Gaurav/Ashutosh
Ice Breaker Session	16th Mar 2019	Amit/Ashutosh

KEY ACTIVITIES	DATE	INDUSTRY STALWARTS & ROBONOMICS AI TEAM MEMBERS
ICAST	8th April 2019	Sangeet/Prasanta/Amit/Ashutosh
Placement Interviews	May 2019	Harish/ Amit/Samir/Ashutosh

TIMELINE

Below are the tasks performed under the RPA CoE for batch 2018-2019

Figure 1: Above Timeline shows the progress of RPA CoE since July 2018

ICE BREAKER SESSION – 20TH JULY 2018

This Ice-Breaker session was taken by Tejus from UiPath and Ashutosh from Robonomics AI. The objective of the Ice-Breaker session was to share **what is happening in the industry** and which are the areas the students should be looking was to build their respective career

RPA COE INAUGURATION – 18TH AUGUST 2018

The RPA CoE was inaugurated on **Saturday 18th August 2018** by Mr Raghu from UiPath, who was also the Chief Guest for the Inauguration. Mr Samir from Robonomics AI was on Skype from Australia. Tejus and Murali from UiPath and Amit and Ashutosh from Robonomics AI were present for the inauguration function.

ONLINE GUIDE FOR UIPATH – 20TH AUGUST 2018

The whole objective of the RPA CoE is not to go ahead with conventional learning but **flipped learning**. As a reason the students were share the online content of UiPath along with the guide how to proceed further. As it is very critical to guide students what to read and from where to read, to get the desired out-put. This was driven by Harish and Ashutosh from Robonomics AI Team.

SOFTWARE INSTALLATION – 20TH & 21ST AUGUST 2018

The UiPath community licenses were installed in all the machine of respective 30 students. This activity was carried out help **students start their education** on UiPath. This was driven by Harish and Ashutosh from Robonomics AI Team.

QUERY RESOLVING FOR ONLINE CONTENT – 21ST AUGUST TO 12TH SEPTEMBER 2018

The report says online courses have close to 100% registration, but the challenge is in competition. As per statistics less than 20% completion rate is recorded for online courses. Hence Robonomics AI made sure that the online content which was shared with the students is being constantly followed up and help students to **scale up** wherever students had query. This was driven by Harish, Amit, Ashutosh from Robonomics AI Team.

TECHNICAL & PROJECT SUPPORT – 21ST AUGUST 2018 TO 30TH MARCH 2019

This was a continuous engagement right from getting UiPath installed on the student's machines to their projects and certifications. This required efforts beyond the normal working hours of the day, at times running late into nights and during weekends as this was the time when students were generally available. This included queries related to UiPath tool, codes, solution design, documentation and issues with certification. This was driven by Harish, Amit, Ashutosh from Robonomics AI Team.

BOOT CAMP – 13TH SEPTEMBER 2018 TO 17TH SEPTEMBER 2018

This was a **40 Hours (5 Days) boot camp**, from **Thursday 13th September 2018 to Monday 17th September 2018**. The objective behind to have a boot camp was to do class-room session with he enrolled students to resolve their query. RPA was something very new for the students because of which it was of utmost importance hand-hold students to be comfortable with a new technology. This was driven by Harish, Amit and Ashutosh from Robonomics AI Team.

LIVE USE CASES – 18TH SEPTEMBER 2018

30 students were teamed up in a group of 3 on an average in each group and given following use cases to work on UiPath.

1. Knowledge Acquisition Bot
2. Digital Marketing Bot & IT Systems Maintenance Bot
3. Bank Reconciliation Bot
4. Compliant Bot
5. Bot for Automated Aggregation of Internet Content
6. Bot for Extraction of Information from Disconnected Backend Systems
7. Customised Automated email response Bot
8. Build Chatbot using Machine Learning
9. FAQ Chatbot for Education and training RPA Bot to build similar chatbot

The core technology was RPA, where in other technologies like Machine Learning, Python, Chatbot was introduced on need basis of the use case. This was driven by Harish, Amit, Samir and Ashutosh from Robonomics AI Team.

PREPARATION FOR NBA ACCREDITATION

Out of all the projects in the RPA CoE 3 projects were identified and shared with the professor in-charge for NBA Accreditation. This was driven by Harish, Amit and Ashutosh from Robonomics AI Team.

UIPATH LEVEL 1 CERTIFICATION - 15TH DECEMBER 2018 TO 30TH DECEMBER 2018

UiPath Level 1 Certification was done once the students were comfortable with the new technology. Before doing so they have had intensive query resolving individual sessions. As this certification was done individually, hence Robonomics AI Team comprising of Harish, Amit and Ashutosh help students individually to cross any hurdle in understanding the technology.

UIPATH LEVEL 2 CERTIFICATION - 15TH DECEMBER 2018 TO 30TH DECEMBER 2018

UiPath Level 2 Certification was done once the students were comfortable with the new technology. Before doing so they have had intensive query resolving individual sessions. As this certification was done individually, hence Robonomics AI Team comprising of Harish, Amit and Ashutosh help students individually to cross any hurdle in understanding the technology.

ALUMNI AGM – SEPTEMBER 2018

On request Ashutosh had attended the AGM meeting of Alumni to share what has been started for the students at KJSIEIT and can be leveraged by the alumni of KJSIEIT as well.

INDUSTRY REQUIREMENT – 23RD NOVEMBER 2018

Robonomics AI had share a requirement for placement and internship on 23rd November 2018 for Python and DJango with one for the Healthcare Startup. This was shared for not CoE students but to help the institute at large for the placement and internship of students who are not part of RPA CoE. This was driven by Ashutosh from Robonomics AI Team.

UIPATH LEVEL 3 CERTIFICATION – JANUARY 2019

UiPath Level 3 Certification was done once the students had completed the Live Use Case Project. As Level 3 certification is about RE Framework and any individual who has experience of working on a PoC/MVP/Production is ready to take the Level 3 certification. Before doing so students had intensive query resolving individual sessions. As this certification was done individually, hence Robonomics AI

Team comprising of Harish, Amit and Ashutosh help students individually to cross any hurdle in understanding the technology.

MASTERS COURSE MEETING – JANUARY 2019

Robonomics AI team comprising of Gaurav, Samir, Ashutosh had a meeting with Dr Suresh Ukarande, Dr Sunita Patil and Head of Department of different departments on the course curriculum for Master's Program on Robotics and Automation which would be run under Mumbai University

RESUME WRITING FOR THE STUDENTS

Robonomics AI Team had re-written all the resume of all students eligible for the placement drive, as per the industry standard. Resume is a very crucial document, when it comes to campus placement. As the initial screening of the candidate is done based on resume, hence it is of utmost importance to have a strong resume sent across to organizations in the industry. This was driven by Ashutosh from Robonomics AI Team

MOCK INTERVIEW OF STUDENTS – 29TH MARCH 2019

Eligible students for placement have never ever been through a WebEx interview. In today's industry scenario majorly companies to look in for WebEx interviews to reduce cost still maintain the standards of face to face interview. Each student eligible for placement had undergone individual mock interview on WebEx. This was driven by Harish, Amit and Ashutosh from Robonomics AI Team.

TECHNICAL & KNOWLEDGE GATHERING EVENT – 16TH MARCH 2019

This was an event being organised by KJSIEIT. Robonomics AI Team had brought in Vice President of Strategy who is part of Core Management Team at Reliance Jio Mr Gaurav for this event as Chief Guest. This was driven by Ashutosh from Robonomics AI Team

ICE BREAKER SESSION – 16TH MARCH 2019

This Ice-Breaker session was taken by Amit and Ashutosh from Robonomics AI along with students of RPA CoE 2018-2019 batch. The objective of the Ice-Breaker session was to share the experience of current batch students, as what they feel worked and how they have benefited from it. The other aspect which was covered by Robonomics AI team was to share what is happening in the industry and which are the areas the students should be looking was to build their respective career

ICAST – 8TH APRIL 2019

KJSIEIT had organized International Conference where Robonomics AI team worked with KJSIEIT team to invite Prasanta and Chief Guest and Sangeet as Guest of Honor. This was driven by Ashutosh from Robonomics AI Team.

PLACEMENT INTERVIEWS

The number of jobs affected by AI will vary by industry; through 2019, healthcare, the public sector and education will see continuously growing job demand while manufacturing will be hit the hardest. Starting in 2020, AI-related job creation will cross into positive territory, reaching two million net-new jobs in 2025, Gartner said in a release.

Leveraging the corporate relationship of Robonomics AI Team which comprises of Harish, Amit, Samir and Ashutosh

PROFILE OF COMPANIES RECRUITING STUDENTS

Here is a brief profile of companies recruiting students from the CoE

COGNIZANT

Cognizant is an American multinational corporation that provides IT services, including digital, technology, consulting, and operations services. It is headquartered in Teaneck, New Jersey, United States. Cognizant is part of the NASDAQ-100 and trades under CTSH. It was founded as an in-house technology unit of Dun & Bradstreet in 1994 and started serving external clients in 1996.

After a series of corporate reorganizations there was an initial public offering in 1998. Following the Y2K and dot-com boom of the late 1990s, when companies sharpened their focus on hard business parameters such as revenues and profits, the company grew by delivering critical application development and maintenance services.

Cognizant had a period of fast growth during the 2000s, becoming a Fortune 500 company in 2011. In 2015, the Fortune magazine named it as the world's fourth most admired IT services company. In 2017, Cognizant was named in Fortune's Future 50 list. **COGNIZANT WEBSITE**

WNS

WNS (Holdings) Limited (NYSE: WNS), is a leading Business Process Management (BPM) company. We combine our deep industry knowledge with technology and analytics expertise to co-create innovative, digital-led transformational solutions with clients across 10 industries. We enable businesses in Travel, Insurance, Banking and Financial Services, Manufacturing, Retail and Consumer Packaged Goods, Shipping and Logistics, Healthcare, and Utilities to re-imagine their digital future and transform their outcomes with operational excellence.

We deliver an entire spectrum of BPM services in finance and accounting, procurement, customer interaction services and human resources leveraging collaborative models that are tailored to address the unique business challenges of each client. We co-create and execute the future vision of 350+ clients with the help of our 39,000+ employees. Our global footprint spans 16 countries with 59 delivery centers worldwide including in China, Costa Rica, India, the Philippines, Poland, Romania, South Africa, Spain, Sri Lanka, Turkey, United Kingdom and the United States. **WNS WEBSITE**

STUDENT FEEDBACK

Some Statements by the Students are as follows:

MAHARSH PATEL

CoE had introduced us to RPA. Joining CoE has helped me grow not just technically but also as a person. From understanding Automations to market analysis, I have learned a lot being a part of it. The growth is not just limited to technical; I have improved my non-technical skills as well. CoE training has helped me crack interviews. I would highly recommend it for someone who is hungry for learning.

NILESH IYER

The COE cell which was established in our college in the domain of RPA was really beneficial for me. It helped me to learn a new domain which is booming in IT industry currently. Only one suggestion that I would like to give is that since RPA is not a part of our curriculum the training phase could have been longer.

AASTHA SHUKLA

I have been the part of KJSIEIT-COE cell for a year now, and it's been nothing, but a rewarding journey. We published 1 technical paper in a renowned journal, won 2 National Level Competitions and completed 3 RPA certifications while implementing our project, "Customised Automated Email Response Bot using RPA and Machine Learning." Both are internal and external guides were extremely handy and helpful.

Constructive criticism: More active participation in various RPA related hackathons, project competition and conferences to be motivated. I have and would definitely recommend the opportunity to learn and grow to my juniors as well

SHASHANK KARN

I was honoured to be the part of CoE. It was a great learning experience. Excellent training sessions were conducted. Speakers were very friendly and had in depth knowledge regarding the topic. Only thing that can be improved is that prolonged training sessions should be conducted.

MANISH KUMAR GAMI

It was very good experience to learn new technology from scratch. They provided excellent classroom training also they assign case study to work on it. Sir helps us whenever we were stuck in our case study. They provide placement opportunity on RPA.

VRUSHIL GAJRA

The first thing I want to say is that Centre of Excellence is based on practical knowledge. In this program I've worked under real time projects. I've used UiPath tool which helps in automation process. The project I was working on was chatbot for websites. The training was extremely helpful. Thank you!!

KEDAR DAVATE

The COE training was very informative and practical. I learnt a lot more about the robotic process   automation. The hands-on training sessions were very good. Trainer had an in-depth knowledge about the technology.

NIDHI MEHTA

Being a part of CoE was a good experience. I got to learn a lot about the RPA technology. CoE provided me a good opportunity and a good platform to showcase my skills. The exposure to the industry and the experience gained by taking a part in CoE was excellent but more classroom sessions should be provided to help the students to solve their problems more easily and more quickly.

LESSONS LEARNT

Here are some key lessons learnt during the engagement so far:

WHAT WORKED WELL

We made good progress on these aspects:

1. Student engagement had been high

2. Placement has been high

3. Several ideas for paper writing

4. Industry engagement

WHERE WE NEED TO IMPROVE

In the next session, we need to improve on the following:

1. Engagement of faculty members picked up towards the last few months

2. As per students feedback the boot camp session needs to be extended

3. Organize Hackathons to build the confidence among students

4. We had to let go students from Electronics because AI was more into programing. Now we need to introduce Ambient Artificial Intelligence Lab for Electronics students

5. Cash-flows have been a significant issue