

Memorandum of Understanding

For imparting Industrial Automation Training Between

Mecstech Industrial Training Pvt. Ltd (MERC), Ajmer (Raj.)

AND

Techno India NJR Institute of Technology, Udaipur (Raj.)

This Memorandum of Understanding entered into on Dec 09, 2019 at Ajmer between Mecstech Industrial training Pvt. Ltd , Ajmer (Raj) hereby and henceforth known as First Party and Techno India NJR Institute of Technology ,Udaipur (Raj.) hereby and henceforth known as Second Party for Conducting 30 days industrial Training represented by the Director which expression shall unless repugnant to the context means and include its successors and assigns of the First Party.

Techno India NJR Institute of Technology Udaipur (Raj.) is represented by the Director which expression shall unless repugnant to the context means and include its successors and assigns of the Second Party.

The parties have had preliminary discussions on this matter and have ascertained areas of broad consensus. The parties now, have therefore, agreed to enter in writing these areas of consensus under a Memorandum of Understanding.

This Memorandum of Understanding witnesses that:

1. The first party will Service provider for PLC Industrial training to the Undergraduate Engineering Students of Electrical & Electronics & other branch in the college.
2. The contents of the course are as per offer letter.
3. Lecture room and Computer Lab equipped with at-least one computers on two/three students will be provided by the Second Party, within its college premises.
4. The duration of the course will be end till **09 DEC 2019 to 16 Jan 2019** with Winter Breaks from **(28 Dec 2019 to 5 Jan 2020)**
5. The fee structure of the training course will be **Rs. 2600 per students** complete courses. (*The fee is applicable if the minimum strength of students enrolling for the program is 50.
6. Training hours will be cover 5 Hrs daily & student doubts and practise session 2 hrs. The fee fixed by mutual consent will be collected by the First party on behalf of Second party these terms will follow.



CI No.: U80900RJ2019PTC063908

Mecstech Industrial Training (P) Ltd.
ISO Certified 9001:2008

+91-9799494491 (Jaipur), +91-7737278888 (Ajmer)

info@merc.net.in

www.merc.net.in

- A) 50 % Advanced After 10 days of starting date.
B) 50% rest amount will be give after completion.
C) No of student 23 students (1 Student fees will be paid by first party)
D) If number of student will be increased amount will be same.
E) Other training will be starts in January 2020 with this batch.
F) In this training Sunday will include.

1. Last date of Training will be Jan 16, 2020.
2. Starting date of Training will be Dec. 09, 2019
3. Student Project Hardware Amount will be paid by students.
4. Course will be covered in training which is mentioned in Offer letter.
5. Total No of students will be count by daily attendance or certificated.

6. Dispute Resolution:

In the event of a dispute between the parties in connection with this Agreement, the parties shall seek to resolve such dispute through negotiation. In case of any legal intervention all cases shall be settled according to the Jurisdiction of Ajmer District Court.

In witness whereof the parties hereto have set their hands to this Agreement on the day year and at the place stated at the outset.

Date: Dec 14, 2019

Place: Techno India NJR Institute of Technology, Udaipur

Signed by  **Mecstech Industrial Training Private Limited**

Mr. Yogesh Jeshwani (PLC Trainer) •

For and on behalf of

AUTHORISED SIGNATOARY

Mecstech Industrial Training , Ajmer

Signed by

For Techno India NJR Institute of Technology



Name :

Mr. R. S. Vyas

(R.S. Vyas)
Director

Designation: Director

For and on behalf of

Techno India NJR Institute of Technology, Udaipur (Raj.)

(College Seal and signature Authority Mandatory)

Corporate Address : 205, Balaji Tower, Tonk Road, Jaipur
Ajmer Head Office : Shiksha Tower, Near IOCL Petrol Pump, Adarsh Nagar Ajmer



CI No.: US0900RJ2019PTC063908

Memorandum of Understanding

For imparting Industrial Automation Training Between

Mecstech Industrial Training Pvt. Ltd (MERC), Ajmer (Raj.)

AND

Techno India NJR Institute of Technology, Udaipur (Raj.)

This Memorandum of Understanding entered into on **January 21, 2020** at Ajmer between Mecstech Industrial training Pvt. Ltd , Ajmer (Raj) hereby and henceforth known as First Party and Techno India NJR Institute of Technology ,Udaipur (Raj.) hereby and henceforth known as Second Party for Conducting 30 days industrial Training represented by the Director which expression shall unless repugnant to the context means and include its successors and assigns of the First Party.

Techno India NJR Institute of Technology Udaipur (Raj.) is represented by the Director which expression shall unless repugnant to the context means and include its successors and assigns of the Second Party.

The parties have had preliminary discussions on this matter and have ascertained areas of broad consensus. The parties now, have therefore, agreed to enter in writing these areas of consensus under a Memorandum of Understanding.

This Memorandum of Understanding witnesses that:

1. The first party will Service provider for PLC Industrial training to the Undergraduate Engineering Students of Electrical & Electronics & other branch in the college.
2. The contents of the course are as per offer letter.
3. Lecture room and Computer Lab equipped with at-least one computers on two/three students will be provided by the Second Party, within its college premises.
4. The duration of the course will be end till **Jan 21, 2020 to Feb 19, 2020**. The fee structure of the training course will be **Rs. 2600 per students** complete courses. (*The fee is applicable if the minimum strength of students enrolling for the program is 50.
5. Training hours will be cover 5 Hrs daily & student doubts and practise session 2 hrs. The fee fixed by mutual consent will be collected by the First party on behalf of Second party these terms will fallow.

- A) 50 % Advanced After 10 days of starting date.
- B) 50% rest amount will be give after completion.
- C) No of student 31 students (1 Student fees will be paid by first party)
- D) If number of student will be increased amount will be same.
- E) In this training Sunday will include.

- 1. Last date of Training will be **Feb. 19, 2020**.
- 2. Starting date of Training will be **Jan. 21, 2020**
- 3. Student Project Hardware Amount will be paid by students.
- 4. Course will be covered in training which is mentioned in Offer letter.
- 5. Total No of students will be count by daily attendance or certificated.

6. Dispute Resolution:

In the event of a dispute between the parties in connection with this Agreement, the parties shall seek to resolve such dispute through negotiation. In case of any legal intervention all cases shall be settled according to the Jurisdiction of Ajmer District Court.

In witness whereof the parties hereto have set their hands to this Agreement on the day year and at the place stated at the outset.

Date: Jan 31, 2020

Place: Techno India NJR Institute of Technology, Udaipur

Signed by
Mecstech Industrial Training Private Limited
Mr. Yogesh Jeshwani (PLC Trainer)
For and on behalf of
Mecstech Industrial Training , Ajmer
AUTHORISED SIGNATORY

Signed by
For Techno India NJR Institute of Technology


Name : Mr. R. S. Vyas

Designation: Director

For and on behalf of

Techno India NJR Institute of Technology, Udaipur (Raj.)

(College Seal and signature Authority Mandatory)

 एनपीसीआईएल NPCL	न्यूक्लियर पॉवर कॉर्पोरेशन ऑफ इंडिया लि. Nuclear Power Corporation of India Limited (भारत सरकार का उद्यम A Government of India Enterprise)		
	रावतभाटा राजस्थान साइट Rawatbhata Rajasthan Site डाक अणुशक्ति, वाया कोटा, जिला चित्तौड़गढ़ (राजस्थान) - ३२३३०३ PO: Anushakti, Via : Kota, Dist : Chittaurgarh, Rajasthan - 323303		
सुनील कुमार प्रशिक्षण अधीक्षक	Sunil Kumar Training Superintendent	फोन Phone : फैक्स Fax :	01475-242142 M: 09414097274 01475-242142
Ref: RR Site/NTC/TS/2018/S/6677		04/10/2018	

सेवा में

The Professor,
 Techno India NJR Institute of Technology,
 RICO Industrial area Kaladwas,
 Udaipur (Raj.)
 Mobile No. 8686932760, 9468654099
 Email : chandraprakash.jain@technonjr.org

विषय : रावतभाटा राजस्थान साइट का जन जागरूकता भ्रमण।
 Sub. : Public Awareness Visit of Rawatbhata Rajasthan Site.

महोदय Sir,

उपर्युक्त विषय पर नीचे दिए गए कार्यक्रम के अनुसार रावतभाटा राजस्थान साइट, संयंत्र स्थल पर आपके भ्रमण की पुष्टि की जाती है।

As per the above subject your visit to Rawatbhata Rajasthan Site, Plant as per the schedule given below is confirmed:

दिनांक Date	रिपोर्ट करने का समय Reporting Time	आगंतुकों का विवरण Description of Visitors	संख्या Nos.
17.10.2018	10:30 Hrs.	विद्यार्थी एवं शिक्षकगण Students & Teachers	48

हमारे संयंत्र स्थल का परिसर निषिद्ध क्षेत्र है। इस कारण कृपया ध्यान रखें कि कोई इलेक्ट्रॉनिक वस्तु जैसे-मोबाइल/सेलुलर फोन, पेन ड्राइव, कैमरा आदि संयंत्र स्थल परिसर के भीतर लाने की अनुमति नहीं है।

Since our plant premises is a prohibited zone, it may be noted that any electronic items like Mobile/Cellular phones, Pen drive, camera etc.

will not be permitted INSIDE the Plant premises.

सुरक्षा अनुमति के लिए सभी विद्यार्थी एवं शिक्षकगण से अनुरोध है कि वे अपना पहचान पत्र एवं उसकी एक जेरोक्स प्रति साथ लाएं।

You are requested to carry the original as well as one Xerox copy of ID card of all the students and faculties for security clearance.

संयंत्र दौरे/भ्रमण में साथ आने वाले व समन्वय करने वाले संकाय/टीम लीडर का नाम श्री महावीर शर्मा, प्रबंधक (जन संपर्क) (मोबाइल नं. 9413356747 ई-मेल : mahavirsharma@npcil.co.in) को सूचित करने की भी आपको सलाह दी जाती है। वे इस विजिट की व्यवस्था करेंगे।

You are also advised to give the Name of the Faculty who will accompany & coordinate the visit to Manager (PR) Shri Mahavir Sharma (Mobile no. 9413356747 and email address mahavirsharma@npcil.co.in) who will coordinate the visit.

विद्यार्थियों एवं शिक्षकगण के लिए सीआईएसएफ प्रथम बेरियर/पास सेक्शन से संयंत्र स्थल तक लाने और वापस सीआईएसएफ प्रथम बेरियर/पास सेक्शन तक छोड़ने के लिए परिवहन व्यवस्था और दोपहर के भोजन की व्यवस्था हमारे विभाग द्वारा की जाएगी।

Transport arrangements from CISF First Barrier/ Pass Section of Plant Site & back and lunch shall be arranged by the department for students & faculty members.

कृपया संकाय/टीम लीडर को रावतभाटा राजस्थान साइट से जाने से पहले अधोहस्ताक्षरी को विजिट फीडबैक देने को कहें।

You are requested to advise the faculty members/team leader to provide the visit feedback to the undersigned before leaving Rawatbhata Rajasthan Site.

धन्यवाद।

Thanking you,

भवदीय Yours Sincerely,

(सुनील कुमार Sunil Kumar)

प्रशिक्षण अधीक्षक Training Superintendent
एवं अध्यक्ष, जन-जागरूकता समिति
& Chairman, Public Awareness Committee

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) is made on this day, the 1st of March, 2015 between:

Techno India NJR, Institute of Technology, Plot T, Bhamas(RIICO) Industrial Area, Kaladwas, Udaipur, Rajasthan 313003. (hereinafter referred to as 'TINJR' which expression shall include its representatives, successors and assignees) of one part

AND

Eduvance, the educational arm of Vanmat Technologies Pvt. Ltd. having its registered office located at 202 Mary Anne Heights, Santacruz (East), Mumbai 400055, (hereinafter referred to as "Eduvance" which expression shall include its representatives, successors and assignees) of other part.

TINJR and Eduvance are jointly referred to as 'Parties' in this MOU.

WHEREAS: TINJR has expressed interest in appointing Eduvance as an Employability Assessment Partner

In consideration of the mutual obligations herein contained, the parties agree as follows:

OBJECTIVE AND SCOPE OF WORK

EDUVANCE RESPONSIBILITIES

1. Conduct assessment of the students and faculty members of TINJR based on the skills that Eduvance has an expertise in (As enlisted in Annexure 1)
2. Allow TINJR to use Eduvance's automated evaluation platforms for evaluating the skills mentioned in Annexure 1.
3. Recommend highly skilled candidates to companies that Eduvance has a tie up with.

TINJR RESPONSIBILITIES

1. Assign one faculty member as a point of contact to act as a liaison with Eduvance for coordination of Eduvance's responsibilities.
2. Appoint Eduvance as Employability Assessment Partner
3. Give students and faculty of TINJR, an exposure to the automated evaluation platforms.

VALIDITY

4. This MOU is valid for five years from the date of signing of this MOU. Thereafter the MOU may be renewed for such term and on conditions as may be agreed between the Parties.

NO ASSIGNMENT

5. Neither party without the written consent of the other may assign either the benefit or the burden of this MOU to anybody.

TERMINATION

6. Either party may terminate the MOU for cogent and logical reasons, by giving to the other party 30 days' notice in writing. There will no financial obligations on either party of any sort due to the termination of this MOU.

NOTICES

7. Notices would be deemed to have been given provided they are sent in writing by registered mail and a copy of the same is faxed to either of the parties by the other party to the following addresses.

CEO,
Eduvance (Vanmat Technologies Pvt. Ltd).
A 202 Mary Anne Heights,
3rd Golibar Road,
Santacruz (East), Mumbai 400055
Ph.No.: +91-9820749235

Director
Techno India NJR Institute of Technology
Plot T, Bhamas(RIICO) Industrial Area,
Kaladwas,
Udaipur, Rajasthan 313003
Ph. No- 0294 265 0214

ENTIRE AGREEMENT

8. This document represents the entire agreement between the Parties regarding the subject matter of this MOU and can only be amended or modified by an agreement in writing signed by the Parties hereto.


LEGAL EFFECT

9. This document is **not intended** to impose any legal obligation whatsoever on either party (whether based in contract, tort or under statutory law). The parties **do not intend to be bound by any agreement** until both agree to and sign a definitive written contract. Neither party can rely on any promises inconsistent with this paragraph. This paragraph supersedes all other conflicting language.

SIGNATURES

10. This MOU will come into effect on the day date of signature of the representative of both parties as given :

For TINJR :

For Techno India NJR Institute of Technology

(R.S. Vyas)
Director

For VANMAT

Signature: _____

Signature: _____

Name: Raj Shekhar Vyas
Title: Director, Techno India NJR
Date: 01-03-2015

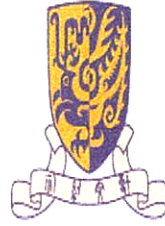
Name: Dr. Jonathan Joshi
Title: C.E.O, Eduvance
Date: 01-03-2015

ANNEXURE 1

1. Field Programmable Gate Array (FPGA) design
2. VHDL/Verilog programming
3. Front-end VLSI design
4. Back-end VLSI Design
5. VLSI Verification
6. Internet of Things
7. Printed Circuit Board (PCB) design
8. PCB Manufacturing
9. Embedded Systems Design
10. System on Chip Design
11. PLC Programming



TINJR / Research-cell / 2020 / 006



香港中文大學
The Chinese University of Hong Kong

INTERNATIONAL RESEARCH COLLABORATION

The following Research Groups of the faculty members shall identify and pursue research problems/projects having common interest in -

RESEARCH DIRECTIONS IN INFORMATION AND COMMUNICATION TECHNOLOGY

Between research groups of

Dr. Mahdi H. Miraz

Postdoctoral Fellow

Centre for Financial Regulations and Economic Development

The Chinese University of Hong Kong

HONG KONG

Email : m.miraz@gmail.com

&

Prof. Prasun Chakrabarti

Executive Dean (Research and International Linkage) and Institute Distinguished Senior Chair Professor

Techno India NJR Institute of Technology, Techno NJR Knowledge Campus, Plot SPL-T, Bhamashah

(RICCO) Industrial Area, Kaladwas, Udaipur 313003, Rajasthan, INDIA

Email : prasun.chakrabarti@technonjr.org

on

The 14th Day of April 2020

Both the groups will share the scientific research results of the joint project. All the research papers that may be published from the joint research work will have joint authorship of the contributors from both the groups. Any patent(s) that may be filed on the basis of the joint research work will be shared by all the contributors from both the groups. All scientific data relating to the joint research, that may be exchanged, shall be done for academic purpose only. These data shall not be provided to a third party without the consent of both the parties involved in the joint research.

Dr. Madhi H. Miraz

Valid for three Years

Dr. Prasun Chakrabarti

AGREEMENT

THIS AGREEMENT WITH INSTITUTES (the "Agreement") is entered into on 6th day of May, 2014 (the "Effective Date")

CoCubes Technologies Pvt. Ltd., a company incorporated under the Companies Act, 1956, having its principal place of business at A-1101, 11th Floor, Unitech Arcadia, Sohna Road, Sector - 49, Gurgaon, Haryana - 122018 (hereinafter mentioned as "CoCubes", which expression shall mean to include its successors-in-interest and permitted assigns) of the One Part.

AND

Techno India NJR Institute of Technology
Udaipur having its principal place of business at Udaipur (hereinafter mentioned as "the Institute", which expression shall mean to include its successors-in-interest and permitted assigns) of the Second Part.

CoCubes and the Institute shall hereinafter be individually be referred to as "Party" collectively as "Parties"

WHEREAS:

1. CoCubes is engaged in the business of providing online career development and training services to Institutes and its enrolled students. As a part of this business, CoCubes has developed a proprietary technology platform to automate the process of engaging students. This platform enables CoCubes to connect companies who wish to engage students directly in Institutes. The platform also provides guidance to the students in preparing them for the corporates for better career prospects.
2. The Institute is a certified educational institute providing higher education facility to students in India.
3. The Institute desires to engage CoCubes to provide to it their online career development and training services as specified in this Agreement and CoCubes has agreed to provide its services to the Institute on and subject to the terms and conditions set out in this Agreement.

TDS
18200/-

BILL PASSED
Ch. No. 941
Amt. 162000
Date 15/11

For Techno India NJR Institute of Technology

(R.S. Vyas)
Director

Handwritten marks and scribbles in the top right corner.

Handwritten mark resembling a stylized 'C' or a small circle.

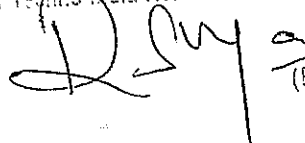
Handwritten mark resembling a stylized 'C' or a small circle.

NOW THIS AGREEMENT WITNESSES:

1. DEFINITIONS

- 1.1 "Agreement" shall mean this Agreement along with all its exhibits, schedules and annexes.
- 1.2 "CoCubes Online Platform" shall mean the proprietary technology platform developed by CoCubes and available at the CoCubes website <www.cocubes.com>, on and through which the Services are rendered.
- 1.3 "Force Majeure" shall mean and include acts of God or government actions, fire, explosion, earthquake, flood, tsunami, accident, war or threat of war, sabotage, insurrection, civil disturbance acts, restrictions, regulations, byelaws, prohibitions or measures of any kind on the part of any governmental, parliamentary or local authority or incremental weather, technical breakdown of the CoCubes Online Platform for reasons outside CoCubes control.
- 1.4 "Intellectual Property" means all algorithms, apparatus, components, circuit designs and assemblies, concepts, confidential or proprietary information, trade secrets, data (including clinical data), databases and data collections, designs, diagrams, documentation, drawings, flow charts, formulae, ideas, inventions (whether or not patentable or reduced to practice), know-how, materials, marketing and development plans, marks (including brand names, product names, logos, and slogans), methods, models, procedures, processes, protocols, schematics, software code (in any form including source code and executable or object code), specifications, subroutines, techniques, tools, user interfaces, web sites, works of authorship, and other forms of technology.
- 1.5 "Intellectual Property Rights" means all patents, any extensions of the exclusivity granted in connection with patents, patents pending, utility models, registered designs, trademarks, service marks, applications for any of the foregoing (including continuations, continuations-in-part and divisional applications), the right to apply for any of the foregoing, rights in trade names, business names, brand names, get-up, logos, domain names and URLs, copyrights, design rights, moral rights, database rights, publication rights, all rights in and to the Intellectual Property, having equivalent or similar effect to any of the foregoing rights, which may exist anywhere in the world.
- 1.6 "Services" means the services to be performed or actually performed by CoCubes under this Agreement.
- 1.7 "Students" shall mean students studying at the Institute, who have consented to their enrolment to avail CoCubes services and who will be provided access to the CoCubes Online Platform.

For Techno India IJR Institute of Technology


(R.S. Vyas)
Director

1.8 "Terms of Service" shall mean the terms and conditions on the basis of which the CoCubes Online Platform can be accessed at www.cocubes.com.

2. PROVISION OF SERVICES

2.1 The Institute hereby appoints CoCubes to provide to it the Services specified in this Agreement and more fully in Exhibit A and CoCubes agrees to provide the Services to the Institute.

2.2 CoCubes shall provide the following Services to the Institute for the duration of the Term (as defined below):

- (i) CoCubes shall provide access to the CoCubes Online Platform to the Institute and the Students.
- (ii) CoCubes shall provide a separate log-in and password to each Student and the Institute's placement officer(s)
- (iii) CoCubes shall provide SMS enabled communication tools to the Institute to enable interaction with students. This has limited use. Please refer to exhibit A to understand limitations of this feature.
- (iv) CoCubes shall provide such additional and related services as more fully detailed in Exhibit A.

2.3 The Institute understands and acknowledges that the use of the CoCubes Online Platform shall be subject to its Terms of Service. The Terms of Service will prevail in all matters related to access and use of the CoCubes Online Platform. This is available here: http://static.cocubes.com/document/reg_tc.html

3. THE INSTITUTE'S RESPONSIBILITIES AND OBLIGATIONS

3.1

Number of Students	Batch	Degree
150	2015	(Engineering)
50	2014	(Engineering)
		(MCA)
		(MBA)
		(Others)

Number of students (as stipulated above) will be enrolled by the Institute during the tenure of this Agreement. The Institute shall undertake all acts as may be necessary, including but not limited to obtaining the Student's explicit consent to availing

For Teshno India IJR Institute of Technology



(R.S. Vyas)
Director

CoCubes' Services. CoCubes shall not be required to obtain the Student's consent separately.

- 3.2 All data relating to the Students shall be provided by the Institute to CoCubes in a predefined format provided by CoCubes. All Student data shall be authenticated by the Institute and thereafter provided to CoCubes. The Institute shall indemnify CoCubes in the event of any claim or demand raised against CoCubes on account of any Student data which is found to be inaccurate, false or misleading and as a consequence of which CoCubes suffers any loss.
- 3.3 The Institute shall provide Student data to CoCubes immediately on the Effective Date, in a single file. CoCubes will not be responsible for any loss of opportunity for those Students whose data is incomplete. This may also result in CoCubes not being able to provide its services to the Institute to the best of its abilities, for which CoCubes will not be responsible. In the event the Institute is unable to provide the Student data within the specified time period, CoCubes will not be responsible for making the Student data available through the CoCubes Online Platform for the Student's career development.
- 3.4 The Institute hereby agrees that its and the Students' use of the Services and that of the CoCubes Online Platform, will, in addition to the terms set out in this Agreement, comply with the Terms of Service available here: http://static.cocubes.com/document/reg_tc.html

4. FEES AND EXPENSES

4.1 Fees

Subject to the terms and conditions of this Agreement, the Institute will pay CoCubes the fees ("Fees") as set out in Exhibit B as CoCubes compensation for the Services provided by CoCubes under this Agreement. It has to be noted that the fees charged by CoCubes is towards the annual subscription of the technology for career development and assessment offerings; the fee is not towards creating employment opportunity of any specific company. As a principal and business model, CoCubes does not charge fee in the name of any specific company.

4.2 Expenses

Unless expressly provided otherwise in the Agreement, CoCubes will be solely responsible for all expenses incurred by CoCubes or any of its employees or agents in connection with performing the Services or otherwise performing its obligations under this Agreement ("Expenses").

For Techno India IJR Institute of Technology



(Signature)
Date: / /

4.3 Invoicing

CoCubes shall raise one invoice per batch on the date of signing of MoU (effective date), provided the institute shares the database immediately. Else, invoice will be raised on the day we receive the data and Effective Date will be the date the (2015 Batch) invoice is raised. For other details on invoicing, refer to 'Exhibit B- Fees'.

5. SERVICE PROVIDER REPRESENTATIONS, WARRANTIES AND DISCLAIMERS

5.1 CoCubes represents, warrants and covenants that:

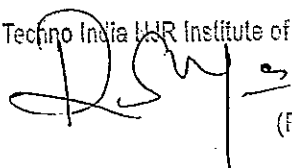
- (a) It has the requisite skill, experience and expertise to perform the Services;
- (b) It has skilled, qualified and experienced personnel at its disposal, to provide the Services in accordance with this Agreement;
- (c) The Services shall be performed in a professional, high quality and workman-like manner;
- (d) The Services shall conform to the specifications set out in Exhibit A;
- (e) CoCubes will comply at all times with all applicable central, state and local laws, rules, and regulations;
- (f) CoCubes has all the necessary rights, licenses and permits required to perform the Services hereunder;
- (g) The Services will not infringe the copyrights, trademarks, patents, trade secrets or other Intellectual Property Rights, privacy or similar rights of any person or entity;

5.2 CoCubes shall, in providing the Services, exercise reasonable skill and care in conformity with the prevailing best standards of its profession and shall always act in accordance with applicable laws.

5.3 The Services of CoCubes shall be provided to the Institute on a non-exclusive basis.

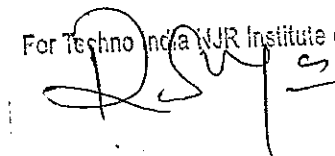
5.4 CoCubes shall have no right or authority to make any promise, representations or warranties for or on behalf of the Institute or to enter into any agreement or otherwise bind the Institute in any manner whatsoever or to hold out as the Institute agent, without the Institute's prior written approval.

For Techno India IIR Institute of Technology


(R.S. Vyas)
Director

- 5.5 The Institute agrees and acknowledges that CoCubes does not guarantee employment to its Students. Neither the Institute nor its Students will hold CoCubes liable in any circumstances whatsoever, in the event the Students do not find employment with CoCubes' clients or otherwise as a result of using the Services.
- 5.6 The Institute agrees and acknowledges that CoCubes does not conduct any background checks on the Students who have access to the CoCubes Online Platform. CoCubes also does not verify the contents of their resume/ curriculum vitae and hence does not warrant the authenticity of any Student data and information displayed on the CoCubes Online Platform. All student related information provided to CoCubes by the Institutes will be authenticated by the Institute. CoCubes shall not be held liable for inaccuracy or incorrectness of any Student information.
- 5.7 The Institute and CoCubes agree and understand that the Student data is the non-exclusive property of the Institute and CoCubes. CoCubes shall use the Student data provided by the Institute for displaying it on the CoCubes Online Platform, for online career development and training activities, which are a part of the Services provided by CoCubes to the Institute.
- 5.8 **EXCEPT AS OTHERWISE EXPRESSLY SET FORTH IN THIS AGREEMENT, COCUBES DOES NOT MAKE ANY WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESS OR IMPLIED IN RELATION TO THE SERVICES, INCLUDING; WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF FITNESS OF THE SERVICES FOR A PARTICULAR PURPOSE.**
6. **INTELLECTUAL PROPERTY RIGHTS**
- 6.1 CoCubes is the sole and exclusive owner of the CoCubes Online Platform and all rights, title and interest therein belong solely and exclusively to CoCubes. Nothing in this Agreement shall be construed to grant the Institute any rights other than the right to use the CoCubes Online Platform for the purpose of access to the Services, in the manner as permitted by CoCubes.
- 6.2 All Intellectual Property Rights in the Services provided by CoCubes to the Institute shall belong solely to CoCubes. Nothing in this Agreement shall be construed to grant the Institute any rights in the Services, other than the right to use the Services in the manner specified in this Agreement.
- 6.3 The Parties agree that while the Student data accumulated by CoCubes in the course of provision of the Services belongs to the individual Student who in turn authorizes the Institute to share it with a third-party towards improving the Student's chances of employability, the analysis generated from such Student data so accumulated belongs to CoCubes. CoCubes shall have the right to permit its clients to use the processed Student data as a part of CoCubes service offerings to its clients.

For Techno India NJR Institute of Technology

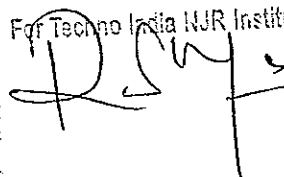


(R.S. V. S.)
Director

7. CONFIDENTIALITY

- 7.1 The term "Confidential Information" shall mean any and all information or proprietary materials (in every form and media) not generally known in the relevant trade or industry and which has been or is hereafter disclosed or made available by one Party (the "Disclosing Party") to the other Party (the "Receiving Party") and/or its affiliates in connection with this Agreement, including but not limited to (i) all trade secrets, (ii) existing or contemplated products, services, designs, technology, processes, technical data, engineering, techniques, methodologies and concepts and any information related thereto, and (iii) information relating to business plans, sales or marketing methods and customer lists or requirements. Any information disclosed (in whatever form) by the Disclosing Party to the Receiving Party in connection with this Agreement or for the performance of Services, whether orally, visually or in documentary or electronic form shall be considered 'Confidential Information by the Receiving Party. The Receiving Party agrees to maintain the confidentiality of such Confidential Information during the tenure of this Agreement and for such period after expiry or termination of this Agreement until any part of the Confidential Information enters public domain.
- 7.2 The Receiving Party will protect the Confidential Information from any unauthorized use, access, or disclosure in the same manner as it protects its own confidential or proprietary information of a similar nature. The Receiving Party shall (i) not use the Confidential Information for any purpose whatsoever except as expressly contemplated under this Agreement (ii) disclose the Confidential Information to those of its employees having a need to know such Confidential Information and (iii) shall take all reasonable precautions to ensure that its employees comply with the provisions of this Section 7.2.
- 7.3 The Receiving Party shall immediately notify the Disclosing Party of any suspected or actual unauthorized use, copying or disclosure of the Confidential Information.
- 7.4 This restriction shall however not apply to the Confidential Information which:
- (i) Has entered into public domain (otherwise than as a result of a breach of this Agreement);
 - (ii) Was or is in the Receiving Party's possession at the time of disclosure and without restriction as to confidentiality;
 - (iii) Has been received from a third party without restriction on disclosure and without breach of Agreement by the Receiving Party; or
 - (iv) Is independently developed by the Receiving Party without regard to the Confidential Information.
 - (v) In addition, the Receiving Party may disclose Confidential Information as required to comply with binding orders of governmental entities that have jurisdiction over it; provided that the Receiving Party (a) gives the Disclosing Party reasonable written notice to allow the Disclosing Party to seek a protective order or other appropriate remedy, (b) discloses only such Confidential Information as is required by the

For Techno India IJR Institute of Technology



(R.S. Vyas)
Director

governmental entity, and (c) uses commercially reasonable efforts to obtain confidential treatment for any Confidential Information so disclosed

8. INDEMNIFICATION

- 8.1 CoCubes agrees to indemnify, defend and hold harmless, the Institute and its respective officers and directors from and against any claims, demands, loss, damage, liability, causes of action, judgments, or costs (i) Incurred by the Institute in the event of breach by CoCubes of any of its representations and warranties set out in Clause 5.1(ii) incurred by the Institute based on any claim that any Services or other materials delivered under this Agreement or use thereof by the Institute infringes or misappropriates any third party Intellectual Property Rights.
- 8.2 The Institute agrees to indemnify, defend and hold the Institute and its respective officers, and directors harmless from and against any claims, demands, loss, damage, liability, causes of action, judgments, or costs (i) arising out of resulting from any misuse of the CoCubes Online Platform by the Students or the Institute; (ii) Any Student related information provided to CoCubes being incorrect, false or misleading.

9. NON-SOLICITATION

During the tenure of this Agreement and for twelve (12) months thereafter, the Institute will not directly or indirectly solicit, induce, or attempt to induce any employee or independent contractor of CoCubes to terminate or breach any employment, contractual, or other relationship with CoCubes.

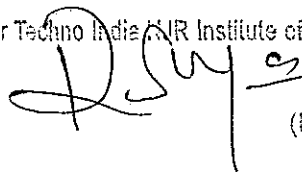
10. LIMITATION OF LIABILITY

IN NO EVENT WILL COCUBES BE LIABLE FOR ANY CONSEQUENTIAL, INDIRECT, EXEMPLARY, SPECIAL, OR INCIDENTAL DAMAGES ARISING FROM OR RELATING TO THIS AGREEMENT. COCUBES' TOTAL CUMULATIVE LIABILITY UNDER CLAUSE 9 AND GENERALLY IN CONNECTION WITH THIS AGREEMENT, WHETHER IN CONTRACT OR TORT OR OTHERWISE, WILL NOT EXCEED THE AGGREGATE AMOUNT OF FEES OWED BY THE INSTITUTE TO COCUBES FOR SERVICES PERFORMED UNDER THIS AGREEMENT AND NOT SERVICES YET TO BE PERFORMED.

11. INDEPENDENT CONTRACTOR RELATIONSHIP

CoCubes' relationship with the Institute under this Agreement is that of an independent contractor. Nothing in this Agreement is intended or should be construed to create a partnership, joint venture, or employer-employee relationship between the Institute and CoCubes and any of CoCubes' employees or agents. CoCubes is not the agent of the

For Techno India IIR Institute of Technology



(R.S. Vyas)
Director

Institute and is not authorized, and must not represent to any third party that it is authorized, to make any commitment or otherwise act on behalf of the Institute.

12. TERM AND TERMINATION

2014 &

12.1 The agreement for 2015 batch will commence from the Effective Date and will be valid till March 31st, 2015 (the "Term"). The Parties agree that all Students (for the 2014-15 batch) will continue to have access the CoCubes Online Platform pursuant to the termination of this Agreement. The Parties may renew the Agreement for such further periods and on such terms as mutually agreed. *The above program (or any part of it shall be delivered as mentioned in the agreement irrespective of the 'Term and Termination' clause. This clause is purely for ease in Accounting of 'Serviced Revenue' at the end of CoCubes.com. The scores achieved in the Pre-Assess of CoCubes.com will be valid for 12 months post the test.*

2-2013-14

12.2 The Institute may, without assigning any reason whatsoever, terminate this Agreement by serving a thirty (30) days notice upon the other Party.

12.3 This Agreement may be terminated by the Institute upon written notice to the CoCubes if:


- (i) CoCubes commits a material breach of any of its obligations here under and fails to cure such breach within thirty (30) days after receipt of notice of such breach.
- (ii) CoCubes ceases to do business, becomes insolvent, goes or is put into receivership or liquidation, passes a resolution for its winding up (other than for the purpose of a solvent reconstruction or amalgamation), makes an arrangement for the benefit of its creditors, or takes or suffers any similar action in consequence of debt, or if any similar event occurs under the laws of any jurisdiction.

12.4 Termination of this Agreement for any reason shall be without liability to either Party, provided that any liability incurred by either Party prior to termination shall not be extinguished by reason of such termination. Termination shall not relieve or affect the rights or remedies of either Party in relation to any accrued rights or unperformed obligations, arising prior to or upon the date of such termination.

12.5 Effects of Termination

12.5.1 Upon termination:

- (i) CoCubes will stop providing its Services to the Institute and its Students forthwith. All rights, liabilities and obligations of CoCubes as well as the Institute will come to an end immediately.

For Techno India NJR Institute of Technology

(R.S. Was)
Director

(ii) The Institute and its Students will not have access to services listed in Exhibit A below.

12.5.2 If the Institute terminates the Agreement for any reason whatsoever within a period of 1 (one) month from the Effective Date, CoCubes shall refund the Fees back to the Institute on a pro-rata basis for the remainder of the tenure. In the event of termination of this Agreement after a period of (one) month by the Institute for any reason whatsoever, CoCubes shall not be liable to refund the Fees back to the Institute.

13. FORCE MAJEURE

13.1 A Party shall not be liable to the other Party or be deemed to be in breach of this Agreement by reason of any delay in performing, or any failure to perform, any of that Party's obligations under this Agreement if the delay or failure was due to a Force Majeure Event provided that such Party shall:

- a) Immediately serve on the other Party written notice thereof specifying the particulars of the Force Majeure Event, the extent to which such Party is unable to discharge or perform its obligations, the reasons for the inability of such Party to perform or discharge its obligations and estimated period during which such Party is unable to perform and discharge its obligations; and
- b) Promptly take and continues to take all action within its powers to minimize the duration and effect of the Force Majeure Event on such Party.

13.2 Provided however that if the Force Majeure event/s continues to subsist for a continuous period of 30 days the other Party may terminate the Agreement by giving notice in writing.

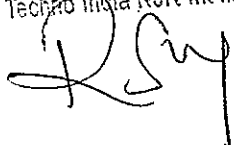
14. GENERAL PROVISIONS

14.1 Governing Law and Arbitration

This Agreement shall be governed by and construed and enforced in accordance with the laws of India and the courts at Gurgaon shall have the non-exclusive jurisdiction to settle the disputes arising out of this Agreement.

Any dispute, controversy or claim arising out of or relating to this Agreement, or the breach, termination or invalidity thereof, shall be settled by arbitration in Gurgaon, Harayana, in accordance with the Indian Arbitration and Conciliation Act, 1996. The number of arbitrators shall be three, where each Party will have the right to appoint one (1) arbitrator and the two (2) arbitrators will appoint the third arbitrator. The language to be used in the arbitral proceedings will be English.

14.2 Severability

For Techno India NJR Institute of Technology

(R. S. Singh)
Director

If any provision of this Agreement is, for any reason, held to be invalid or unenforceable, the other provisions of this Agreement will be unimpaired and the invalid or unenforceable provision will be deemed modified so that it is valid and enforceable to the maximum extent permitted by law.

14.3 No Assignment

This Agreement and CoCubes' rights and obligations under this Agreement may not be assigned, delegated, or otherwise transferred, in whole or in part, by operation of law or otherwise by CoCubes, without the Institute's express prior written consent. Any attempted assignment, delegation, or transfer in violation of the foregoing will be null and void. The Institute may assign this Agreement or any of its rights under this Agreement to any third party upon notice thereof to CoCubes.

14.4 Notices

Each Party must deliver all notices, consents, and approvals required or permitted under this Agreement in writing to the other Party at the address listed on the first page of this Agreement, by courier, by certified or registered mail (postage prepaid and return receipt requested), by a nationally-recognized overnight carrier or by email. Notice will be effective upon receipt or refusal of delivery. Each Party may change its address for receipt of notice by giving notice of such change to the other Party.

14.5 Waiver

All waivers must be in writing and signed by the Party to be charged. Any waiver or failure to enforce any provision of this Agreement on one occasion will not be deemed a waiver of any other provision or of such provision on any other occasion.

14.6 Entire Agreement; Amendments

This Agreement is the final, complete, and exclusive agreement of the Parties with respect to the subject matter hereof and supersedes and merges all prior or contemporaneous communications and understandings between the Parties. No modification of or amendment to this Agreement will be effective unless in writing and signed by the Party to be charged.

For Techno India NJR Institute of Technology

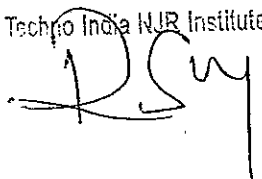

(Rajiv Singh)
Director

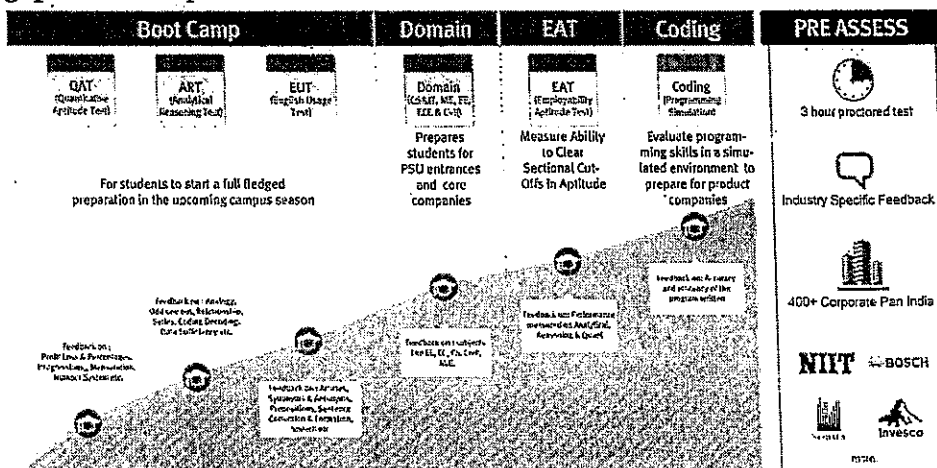
EXHIBIT A
SERVICES

CoCUBES WILL PROVIDE THE FOLLOWING SERVICES TO THE INSTITUTE:

1. CoCubes will provide the Institute, its career development cell and Students, access to the CoCubes Online Platform.
2. **Career Cell Process Management**
 - CoCubes shall provide Web enabled communication platform to manage internal placements and student data.
 - Online platform shall generate placement statistics for placements for your Institute.
 - SMS feature on the platform is limited in functionality. Internal Job Post related students SMS'es i.e. SMS generated when a Job Post is created is operational. However, any other SMS feature via the Job Post section (for example to the Eligible/Applied/Offered/Declined/No-Response students) or under the Communication module (Group SMS) is not available. This is due limitations posed by TRAI. If there are any changes in the same, CoCubes will update the Institute/University towards the same.
3. **Career Development for Students**
 - CoCubes strives to make available career development opportunities with our clients (large, medium and small enterprises) by providing them details about the your esteemed institute. However, the final decision to visit an institute rests with the corporate.
 - List of corporate clients who have been associated with CoCubes (for career development or training services) is available at www.cocubes.com/partners.aspx. As mentioned above, the final decision of these corporates to visit an institute rests with them; and not with CoCubes.

**4. Employability Enhancement of Students
Career Test Program**

CoCubes.com has scientifically designed this program. This is intended to periodically measure the employability and progress of the students at the Institute/University based on Industry standard parameters. Thus, giving the Institute/University an insight into critical gaps in development.



For Techno India NIT Institute of Technology

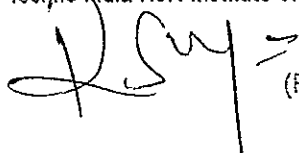
(R.S. Vyas)
 Director

Career Test Scheduling & Reports

- Career Tests for final year students will be as per a monthly calendar as determined by CoCubes.com. Under special circumstances (to be deemed special by CoCubes.com), the dates can be mutually (Institute/University and CoCubes.com) determined. *Each student in final year will have the flexibility to select any of the 8 Career tests in the academic year.*
- Syllabus of the assessments will be shared with the Institute/University one week (in advance) before the designated assessment.
- Reports at University (Institute)/Degree/Branch/Student will be shared within two business days of completion of designated Career Test.
- Students of the final year will be exposed to series of career tests, which will:
 - Help them assess their strength and weaknesses on various topics including Analytical, Logical, Technical, English, Domain etc.
 - Aim to prepare the students for different career paths that they may aspire to follow. The three prominent ones include private jobs, government jobs and higher education
- The exhaustive list of career paths to choose (and design abovementioned packs) from is as shown below:

Career in Private Sector	Quantitative Aptitude Test, Analytical Reasoning Test, English Usage Test, Employability Aptitude, Domain Test
Career in Government Sector	Domain Test, PSAT, CDS (Defense Services)
Career in Higher Education	GATE, CAT

For Techno India NJR Institute of Technology



(R.S. Vyas)
Director

EXHIBIT B
FEES

Branch- Batch	Student Strength	Fees Per Student (INR)
MCA-2015	Greater than equal to 100	1000
MBA-2015	Greater than equal to 100	1000
Engineering- 2015	Less than 100 Students	1000

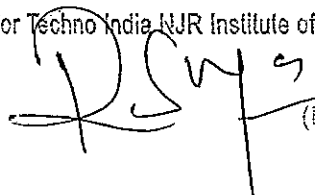
- Our services to educational institutes are exempt of Service Tax. The above prices are net landed price to the customer.
- All payments must be made 100% in Advance
- Please cross out batches/ degrees the Institute is not signing up for.

CoCubes requires that all the students in the Institute be bought online because the purpose of equal opportunity to every student in India to build career can be achieved if the student data is online with CoCubes. CoCubes will also charge the college at 35 paisa per SMS to send SMS'es via CoCubes.com. Please refer to Point 2 in Exhibit A to see which SMS'es can be sent and which can't.

If the Institute fails to make the payment, assuming the logins of the student and/or institute are active, the CoCubes Online Platform will auto lock all the log-ins provided to (all- across batches) the Students and the institute. This may lead to loss of opportunities for Students for which CoCubes will not be held responsible.

It has to be noted that the fees charged by CoCubes is towards the annual subscription of the technology for career development and training offerings; the fee is not towards creating employment opportunity of any specific company. As a principle and business model, CoCubes does not charge fee in the name of any specific company.

For Techno India NJR Institute of Technology


(P. S. Vignesh)
Director

Dr. Indumathi M Nambi
Principal Coordinator, Carbon Zero Challenge
Professor
Department of Civil Engineering
Indian Institute of Technology Madras
Chennai – 600036, INDIA



E-mail: info@czeroc.com
Phone: +91-44-22575271
9489339903(10 a.m. to 5 p.m.)

15th Nov 2018

To Whomsoever it may concern

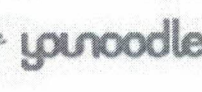
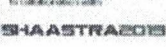
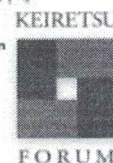
Carbon Zero Challenge (CZC) is a pioneering initiative by IIT Madras in association with a Virtusa, IWMA and Shaastra to identify innovative and indigenous solutions to India's unique energy & environment problems. College students from pan India and early stage Start-ups were challenged to develop innovative solutions through concepts, building prototypes and take it forward as a business startup.

Kunjpreet Kaur Arora, Ishani Meena, Sayed Aamir Hussain, Gaurav Suthar, Kajol Parihar along with their **local mentor Dr Pankaj Kumar Porwa**. (WM6- WRICKS) are one of the teams that have been shortlisted to phase 2 of CZC. In this phase, teams will be building prototypes of their projects with funds provided by the CZC organizing committee. The team will get a maximum of Rs.5 Lakhs for developing their prototype - in a phased manner, subject to approval and validation by CZC organizing committee. **For this purpose, the team is requested to open a Joint bank account in the name of 'Carbon Zero Challenge - Team WM6'** with **Kunjpreet Kaur Arora, Ishani Meena, Sayed Aamir Hussain, Gaurav Suthar, Kajol Parihar** as joint account holders.

This is for your kind information and scrutiny.

Dr. Indumathi M Nambi

Principal Coordinator, Carbon Zero Challenge



The responsibilities of C-DAC and that of TINJRIT, Udaipur are listed below:

1. Responsibilities of C-DAC

1. To provide the methodology and set the standards for the conduct of courses.
2. C-DAC shall send the list of hardware and software requirement for the conduct of IT courses to TINJRIT.
3. The duration and schedule of the IT course(s) will be laid out as per the convenience of TINJRIT and C-DAC mutually.
4. C-DAC, ACTS Pune shall make available the facility for students to fill in the application forms online on ACTS website <http://www.cdac.in>. Separate login shall be provided to the TINJRIT for viewing various admission related reports
5. CDAC shall provide faculty for the conduct of the courses during the entire duration of this MOU.
6. CDAC shall deliver the training on its own or through its Authorised Training partner.
7. CDAC shall provide the one week training at CDAC Pune for industry orientation and employability.
8. C-DAC undertakes to conduct the formative as well as the final evaluation and certification leading to the award of the courses.
9. Answer sheets for the Course end examination to be evaluated by C-DAC, ACTS – Pune.
10. The certificate shall be issued to all eligible and successful students by C-DAC ACTS, Pune subject to the receipt of full fees and other dues, if any, from the individual student. The certificate is to be jointly signed by TINJRIT and C-DAC ACTS.
11. If required, the duplicate certificate and / or mark sheet can be issued by C-DAC ACTS, Pune after receiving the extra fees prescribed by C-DAC, ACTS Pune from time to time.
12. C-DAC ACTS, Pune shall not be responsible for students' understanding / absorption / uptake / grasping / performance etc. in respect of lectures / practical / presentations / tests. C-DAC ACTS, Pune's responsibility is limited only to course design and guidelines on course delivery, providing faculty if required. It shall also not be liable

Memorandum of Understanding

Page 3

**Memorandum of Understanding
(MoU)**

Between

CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

3rd Floor, RMZ Westend Centre III,

DP Road, Aundh, Pune – 411 007

Tel.: 020 –25503100/101/102

Fax: 020 – 25503131

E-mail: acts@cdac.in

Website: www.cdac.in

And

TECHNO INDIA NJR INSTITUTE OF TECHNOLOGY (TINJRIT)

PLOT -SPL-T, RIICO IND AREA, KALADWAS, UDAIPUR (RAJ.)

Ph: (91-294) 2418580

Email: technonjr@gmail.com

Memorandum of Understanding

This Memorandum of Understanding is executed on this 13 day of JUNE 2014 at Pune between

Centre for Development of Advanced Computing, a national initiative of the Department of Electronics and Information Technology, Ministry of Communications and Information Technology, Government of India registered under the Societies Registration Act 1860 and the Bombay Public Trust Act 1950 and having its registered address at Pune University Campus, Ganeshkhind, Pune 411 007, hereinafter referred to as C-DAC which expression shall, where the context admits, include its successors or assignees party of the first part

And

Techno India NJR Institute of Technology (TINJRIT) registered society, having its registered address at Plot- SPL-T, Bhamashah (RIICO) Industrial area, Kaladwas, Udaipur hereinafter referred to as **TINJRIT** which expression shall, where the context admits, include its successors or assignees party of the second part

Whereas

- a) C-DAC has designed and developed India's first supercomputer and also has been engaged in creating quality manpower in IT by way of Education and Training through its Advanced Computing Training School (ACTS), Pune, herein after referred to as C-DAC ACTS, Pune.
- b) Whereas C-DAC ACTS, Pune has developed the expertise in design, management and delivery of education & training programmes and services, in Information & Communication Technology (ICT) and related areas.
- c) AND Whereas TINJRIT conducts Graduate degree courses in Engineering.
- d) And whereas the TINJRIT is desirous of providing high-end trainings Courses, of C-DAC courses in its institute and has therefore approached and requested C-DAC for providing training of the said courses.
- e) And whereas after discussions between the parties, both the parties have agreed to enter in to this Memorandum understanding on the following terms and conditions :

Memorandum of Understanding

Page 2

/ responsible for quality of teachers / faculty of TINJRIT/ overall delivery of the course / module by TINJRIT. C-DAC does not give any placement assurance to the students. C-DAC will provide placement assistance. However, if any offer of appointment is issued by any organization/employer to the student, as a result of placement assistance provided by C-DAC or otherwise, such offer will be a transaction governing only the employer and that offeree student and C-DAC shall not be responsible/liable for any act/omission of either such employer or student. This clause may be brought to the notice of all students by TINJRIT before taking admission to the courses.

2. Responsibilities of TINJRIT

1. TINJRIT shall abide by the norms and guidelines set for TINJRIT for individual approved courses stipulated by C-DAC ACTS, Pune from time to time.
2. TINJRIT shall conduct different courses as per available resources from the list of authorized courses, in consultation with C-DAC ACTS.
3. TINJRIT shall ensure a minimum of forty (40) number of participation per course. It is not feasible to run the course with less number of students. However in case if it is required to run the course then the fees shall be enhanced as per the sole discretion of CDAC ACTS.
4. TINJRIT shall provide the infrastructure viz. computers, Class Room / Lab space, with tables and chairs to accommodate a batch of 40 participants, glass / white board with felt pens / markers along with the adequate power and suitable environment conditioning for the conduct of courses. TINJRIT shall upgrade computing facilities and other infrastructure from time to time as per instructions of C-DAC.
5. TINJRIT shall provide the 25 number of computers of stated Pentium 4 Intel with required configuration for the conduct of this course together with the required software having valid license and operating environment for the entire duration of the courses.
6. TINJRIT shall make available training center, with all facilities and required manpower and material resources to C-DAC for various events like conduct of the Common Admission Tests or any other examinations / Seminars / workshops /

conferences / training programmes or any other events conducted / coordinated / organized by CDAC ACTS, Pune.

7. TINJRIT shall be responsible for the procurement and distribution of the prescribed course material to each and every student before commencement of course / module from C-DAC, ACTS.
8. TINJRIT shall coordinate and cooperate in the overall functioning of the centre including marketing, advertisement and promotion and publicity, selection and admission process, academic management, materials management, infrastructure management and maintenance as per the norms and guidelines for various approved courses as stipulated by C-DAC, ACTS, Pune from time to time.
9. TINJRIT shall advertize/publicize the courses as per the norms and guidelines for the advertisement, publicity, promotion and marketing stipulated by C-DAC ACTS, Pune from time to time. TINJRIT shall bear and pay the expenses of advertisement /publicity.
10. The design and contents of any public announcement or of publicity material shall be displayed/published/circulated subject to written approval of C-DAC.
11. TINJRIT shall not publish or use any misleading or deceptive advertising material. In the event of any such advertisement being published, TINJRIT shall be liable for legal action including immediate termination of this MOU without any notice, action for damages and injunction.
12. TINJRIT shall ensure that all the services, systems, facilities are operational all the time and the instructional material is updated from time to time.
13. TINJRIT shall also provide the proper and adequate place for the faculty to sit and interact with the participants.
14. TINJRIT shall provide the loading and boarding facility to the faculty member if faculty is provided by C-DAC ACTS.
15. TINJRIT shall undertake to send the final list of participants of each IT course 7 days before commencement of the course.
16. TINJRIT shall recognize the ownership of the course material and other intellectual property provided by C-DAC and shall not do anything that would diminish or dilute

the distinctiveness, validity, quality and standard of the C-DAC material much to the detriment of C-DAC's name and interest

17. TINJRIT shall direct each student to pay the fees as per the guideline / instructions given by C-DAC ACTS, Pune from time to time. All fees and other charges collected by the TINJRIT shall be forwarded to C-DAC immediately as per the mode of payment described hereunder. In the event the fees are collected by the TINJRIT and the same are not forwarded to C-DAC ACTS, Pune, C-DAC ACTS, Pune shall have no legal, financial or any other liability and responsibility towards the students or for conducting course/tests, certifying them etc. The liability and responsibility arising out of such cases will be exclusively to the account of and shall be borne by the TINJRIT. In case of any legal action taken by the students/parents/guardians regarding and related to conducting courses tests, evaluation and certification etc., against CDAC the same shall be defended by C-DAC at the cost and consequences of TINJRIT
18. TINJRIT shall monitor the attendance, performance, feedback, participation of every student and guide them whenever necessary
19. TINJRIT shall submit from time to time to C-DAC ACTS, Pune the requested information in the prescribed format.
20. TINJRIT shall inform C-DAC ACTS, Pune well in advance, in writing, any changes in the ownership, management, location and control of the TINJRIT within 30 days of such change.
21. TINJRIT do all such things related to the smooth and effective delivery of courses and workshops as are necessary or as advised and instructed by C-DAC ACTS, Pune from time to time.

3. **Commencement, Duration and Termination:**

This MoU shall be effective from the date of the signatures on this MOU and shall be valid till 12 JUNE 2017. It shall automatically expire on the date mentioned herein i.e. 12/6/17. Prior to expiry, the MOU can be terminated with immediate effect if party of second part fails to cure/rectify/remedy within 7 days from the day, the defect/deficiency/breach is pointed out by C-DAC.

This MOU may be renewed / extended in writing and signed by both the parties as per norms, guidelines stipulated by C-DAC, ACTS, Pune from time to time and for such further period and on such terms & conditions as may be mutually agreed upon by both the parties in writing and subject to payment of all earlier dues and resolving of all earlier disputes (if any) and payment of the applicable fees prescribed by C-DAC, ACTS, Pune from time to time.

The actual commencement of courses shall take place only on the compliance by TINJRIT as to its responsibilities relating to infrastructure, fees, list of students, etc.

4. Termination:

Without prejudice to the rights of C-DAC as mentioned in para 3 above Either party can terminate this MOU by one month's written notice sent by RPAD to the other party .

C-DAC shall also be entitled to terminate this contract with immediate effect in case of breach of any clause mentioned in this MOU or any changes in the ownership or, management or, approved premises or control of the TINJRIT, Udaipur. C-DAC ACTS, Pune decision in such matter shall be final and binding on the TINJRIT, Udaipur. Parties can terminate this MOU for convenience also, by prior one month's notice in writing sent by RPAD to other party.

5. Effect of Termination:

- a. Upon Termination of the contract for any reason what so ever, the TINJRIT shall stop forthwith using or associating with the C-DAC ACTS Pune instructional material, using the name, logo, tradename, trademark of C-DAC ACTS in its announcements, advertisements, correspondence or any other documentation and settle its financial obligations immediately to C-DAC ACTS Pune The TINJRIT shall also return forthwith at its own cost any material obtained from C-DAC, ACTS Pune.
- b. TINJRIT shall not have any claim of refund in part or full, of any fees already paid

- c. It will however be ensured by both the parties that the course currently underway be duly completed by way of fulfilling respective responsibilities of the parties.

6. Courses Offered

Following courses have been designed by C-DAC which shall be conducted at TINJRIT, Udaipur. The duration and schedule of the **Certificate Courses** will be laid out eight hours in vacations or as per the convenience of TINJRIT and C-DAC ACTS mutually.

• Certificate Courses

S. No.	Name of the course	No. of Hours
1.	C-DAC Certificate Course in Software Testing	320 hours
2.	C-DAC Certificate Course in MS.NET Programming	320 hours

Syllabus of Courses is attached as Annexure: I

7. Course Fees and Sharing Mechanism:

7.1 The Course fees for the C-DAC Certified courses is Rs. 25,000/- per participant (Rupees Twenty five thousand only). The course fees are exclusive of service tax.

7.2 Sharing of fee between C-DAC ACTS and TINJRIT, Udaipur shall be as follow:

1. C-DAC ACTS : 75%
2. TINJRIT : 25%

7.3 In the case all the faculty members provided by TINJRIT as per the norms and conditions of C-DAC ACTS the additional 15% of the fees will be added to the share of TINJRIT. In case there is a mix of faculty member for C-DAC ACTS as well as TINJRIT then distribution will be done on the basis of number of hours assigned to C-DAC ACTS and TINJRIT faculties.

7.4 TINJRIT shall pay 100 % to C-DAC by Demand Draft in favour of "C-DAC-ACTS", payable at Pune, 07 days prior to the commencement of the courses.

7.5 C-DAC ACTS can add / modify / delete any training program, its period or its fees, if required or observed through the students/industry of faculty feedback anytime during the period of this MOU.

7.6 All taxes, duties, cess, levis etc. shall be additional and borne / paid by TINJRIT.

8. Correspondence

E-mail correspondence should not be taken as substitute for any official signed hardcopy correspondence in all important documents such as but not limited to financial and performance related documents.

9. Intellectual Property:

TINJRIT specifically agrees that all the Intellectual Property Rights to and in the course content, course name, syllabus, methodology, assignment, question papers, website content, are and shall be the exclusive Intellectual property of C-DAC and TINJRIT shall not:

- a. Reproduce in any form, make any modifications, alterations therein or deletions therein
- b. Make any copies, permit or cause to permit to publish or cause to be published
- c. Circulate it to others not concerned or not provided for by this MOU or commercially exploits it,
- d. Mix or utilise it with the others courses of other party if same are permitted hereunder.
- e. Adopt ,formulate any part /portion thereof, use any other trade mark or logo or trade name for it
- f. Do any such thing as would diminish or dilute the distinctiveness, validity, quality and standard of C-DAC ACTS to the detriment of the C-DAC's name and interest
- g. Prejudice its confidentiality

- h. Use / transfer / license / sublicense / copy / circulate / reproduce / distribute in violation/excess of permission given under this MOU, any intellectual property arising out of or incidental to or related to this MOU signed between C-DAC and second party
- i. TINJRIT further agrees to sign application, affidavit, declaration, deeds and/or any document if required to protect/gain/acquire the ownership of CDAC ACTS in any and all Intellectual Property arising out of/ related to this MoU

10. Use of C-DAC's trademark and logo:

TINJRIT may use C-DAC ACTS's name only for the purpose of identifying the C-DAC training activity and shall not use, or be entitled to use, C-DAC's or C-DAC ACTS's name, trademarks, logos, trade name or any other intellectual property in any other way without the prior written consent or as may be authorized under a separate written consent. Upon termination by efflux of time, or prior determination thereof as provided for herein, of this MoU TINJRIT shall immediately stop using C-DAC's or C-DAC ACTS's name, trademarks, trade name and logos, etc. as also the C-DAC ACTS's educational and training material.

11. Indemnification.

TINJRIT agrees to indemnify and keep indemnified C-DAC, its representatives, agents, employees, successors and assigns harmless against all losses, damages or expenses of whatever form or nature, including, without limitation, attorney's fees and costs and costs of appeals, whether direct or indirect, which they or any of them may sustain or incur as a result of any acts or omissions of TINJRIT or any of its representatives, agents or employees including but not limited to any breach of this MoU or otherwise in writing, or any violation thereof of any applicable law, or regulation or order.

12. Independent operations:

The parties to this contract are independent institutions and not the employee, representative or the agent of the other. None of the party has the power to bind or commit the other party for any obligation, liability, the other incurs and hereby agrees to indemnify and keep saved and indemnified the other from the same.

13. Force Majeure:

Neither party to this MOU shall be liable to the other party for any delay or failure on its part in performing any of its obligations under this MOU resulting from any cause beyond its reasonable control, including but not limiting to strikes, riots, civil commotion, or other concerted actions of Workmen, material shortages, fire, floods, explosions, acts of God, acts of state, war, enemy action or terrorist action etc.

14. Disputes and Jurisdiction:

Any Disputes arising out of this MOU or in connection of this MOU between the two parties shall in the first place be settled by mutual negotiations between the person appointed by C-DAC and head of TINJRIT, Udaipur and their decision shall be final and binding on both the parties.

If any dispute is not resolved by mutual negotiations then the dispute shall be referred to the Sole Arbitrator appointed by C-DAC. The Arbitration Proceedings shall be held in Pune and the decision of the Arbitrator shall be final and binding on both the parties. The Arbitration Proceedings shall be in English language only. The Arbitration and Conciliation Act, 1996 will be applicable to the proceedings.

This MOU will be governed by laws of India only and courts in Pune only shall have exclusive jurisdiction to try entertain and decide the disputes arising in respect of this MOU

15. Amendment to MoU

The MoU cannot be modified or amended except by a written document signed by each of the parties hereto.

16. Assignment and Transfer

Any and all rights, duties and obligations of TINJRIT and C-DAC under this MoU shall not be transferred or assigned by either party to any third party without prior written consent of the other party.

17. NON WAIVER:

The failure or neglect by either of the Parties to enforce any of the terms of this MOU shall not be construed as a waiver of its rights preventing subsequent enforcement of such provision or recovery of damages for breach thereof.

18. Severability:

The invalidity or unenforceability of any provision of this MOU shall not affect the validity or enforceability of any other provision of this MOU that shall continue in full force and effect except for any such invalid and unenforceable provision.

19. Limitation of Liability:

In no event C-DAC shall be liable to the other for any incidental, consequential, special, and exemplary or direct or indirect damages, or for lost profits, lost revenues, or loss of business arising out of the subject matter of this MOU, regardless of the cause of action, even if the party has been advised of the likelihood of damages

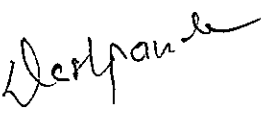
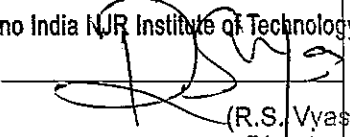
20. Headings:

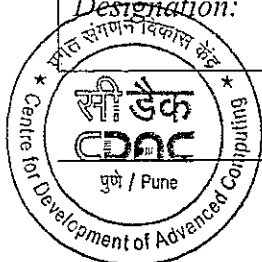
The headings shall not limit, alter or affect the meaning of the Clauses headed by them and are solely for the purpose of easy reference.

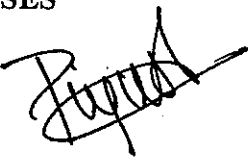
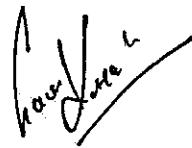
21. Entire MOU:

This MoU, sets forth the entire understanding of the Parties with respect to the subject matter hereof, and supersedes all prior oral and written agreements, understandings, representations, conditions and all other communications relating thereto.

In witness whereof, this MOU has been executed by the authorized signatory of C-DAC on behalf of C-DAC and by the authorized signatory of the TINJRIT, Udaipur on the date, month and year mentioned first herein above.

For and on C-DAC	For and on TINJRIT
behalf of	behalf of
<i>Signature</i>	<i>Signature</i>
	
<i>Name:</i>	<i>Name:</i>
र. य. देशपांडे / R. Y. Deshpande कुलसचिव / Registrar प्रगत संगणन विकास केंद्र CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING पुणे, भारत / Pune, India	For Techno India NJR Institute of Technology (R.S. Vyas) Director
<i>Designation:</i>	<i>Designation:</i>



WITNESSES Signature Omnew Name: Ashish Kuvellkar Designation: Associate Director & HoD	WITNESSES Signature  Name: Piyush Javeria. Designation: Asst. Professor
WITNESSES Signature Aditya Name: Aditya Kumar Sinha Designation: Principal Technical officer	WITNESSES Signature  Name: GAURAV KUMAWAT Designation: Asst. Professor

Annexure I Syllabus of Courses**Track B (Software Development & Testing)****Course 1. Software Testing**

Sl. No.	Module Name	Hours
1	Fundamentals of Computer & OS Concepts	20
2	C Programming	30
3	Software Development Life Cycle	10
4	OOP with C++ with DS	40
5	Database Technology	20
6	Software Testing – Manual	50
7	Software Testing – Automation	50
8	Management Development Program	60
9	Project	40
Total		320

Eligibility: Any Engineering /Science graduate with mathematics up to 10+2 level

Course Pre-requisites: Sound knowledge of Computing Fundamentals and Fundamentals of Programming.

Course Focus: The objective of this course is to provide essential knowledge of programming and expertise in Testing. Students who will complete this course can work in software testing.

Detailed Syllabus**Fundamentals of Computer & OS Concepts (20 Hours)**

- Computer Fundamental: Uses of Computer, Hardware, Accessories,
- Types of computer
- Hardware and Software
- Operating System
- Process Management
- Threads
- Process Scheduling
- Memory Management
- Virtual Memory
- Input Output Management
- File Management
- Deadlocks

- Inter-process Communication
- Classification of Computers
- Introduction to windows operating systems
- The desktop, The window, application window, document window, Dialog Window
- The Icons, Explore Your Computer, The Start Button and Taskbar.
- My Computer, Windows Explorer, Starting and Closing Programs,
- Installing Operating System
- Performing a New Installation for Windows
- Installing a Software other than OS
- Setting up a printer
- Uninstalling software

C Programming (30 Hours)

- Introduction to Programming Language
- C Fundamentals
- Operators and Expressions
- Data Input and Output
- Control statement
- Functions
- Arrays
- Pointers
- Structures and Unions

Software Development Life Cycle (10 Hours)

- Software: A Process
- Various Phases in s/w Development
- Software life cycle agile model
- Introduction to Coding Standards

OOP with C++ with DS (40 Hours)

- OOP concepts
- Programming constructs
- Functions
- Access Specifiers
- Classes and Objects
- Overloading
- Inheritance
- Polymorphism
- Templates

Database Technologies (20 Hours)

- Introduction to DBMS
- Introduction to Oracle
- SQL* Plus
- DDL, DML and DCL
- Tables, Indexes and Views
- PL/SQL
- Cursors
- Stored Procedures
- Triggers

Software Testing – Manual (50 Hours)

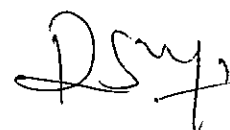
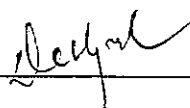
Software Testing Fundamentals, Importance of Testing, Term and modification of testing, Fundamental Test process, Types of testing, Life cycle of testing, Introduction to Tested application, Essentials of Testing, Economics of testing, Fundamentals of Quality, Test management, Testing concepts and fundamentals, Testing Principles and Fundamentals, Testing Approaches- Black box Testing (Black Box testing Techniques), White Box Testing (White Box Testing), Testing Technique –Static Testing, Dynamic testing, Testing Process, Test Planning, Administrative Plan, Risk management, Test Focus, Test Objectives, Test Strategy, The Build Strategy, Problem management and Control, Test case Design, “V” Model and levels of testing, Unit Testing, Integration Testing, Bottom Up, Top Down, Big bang, Sandwich, System testing, GUI, Usability, Configuration, Compatibility, Availability, Reliability, Installation, System Integration Testing, User Acceptance Testing, Alpha Testing, Beta testing, Testing Types, Functional testing, Structure Testing, Specialized Testing, Planning Your TEST efforts

Software Testing – Automation (50 Hours)

Test Plan, Test Design, Writing Test cases, Test procedures, Test data, Defect Management – Using Test Director, Test Reports, Problem management, Change Management, Measuring the Success/Test Metrics and defect Life cycle, Automated Testing and Tools, Automated Vs Manual Testing, Benefits of Automation, Types of Test case Management Tools, Automation Tools, Defect Management Tools, Test Director (Test Case Management Tool), Creating a New Project, Creating a Test Plan, Designing Tests, Running Tests, Tracking Defects, Win Runner (Automation Testing Tool), Introducing Win Runner, Setting Up the GUI Map, Recording Tests, Synchronizing Tests, Checking GUI Objects, Checking Bitmaps, Programming Tests with TSL
Creating Data, Reading Text, Creating Batch Tests, Maintaining Your Test Scripts

Management Development Program

Introduction to communication, Barriers to communication, Kind of communication, Confidence building Non-verbal Communication, Fluency and vocabulary, Synonyms, Antonyms, Grammar, Noun Pronoun, Verb, Adjective, Preposition, Conjunction, Words of Idioms & phrases, Sentence Construction, Fill up the blanks, Pronunciation, Conversation practice, Polite Conversation, Greeting, Logical reasoning, General Aptitude, Writing: Covering letter, Resume, Email, Presentation Skill, group discussion, Interview skills, Mock interview

Project



University of Bahrain
BAHRAIN TEACHERS COLLEGE

TINJR / Research-cell / 2020 / 011

INTERNATIONAL RESEARCH COLLABORATION

The following Research Groups of the faculty members shall identify and pursue research problems/projects having common interest in -

Learners' Attitudes towards Online Collaborative Learning and Sense of Community

Between research groups of

Dr. Osama Al-Mahdi
Assistant Professor
Educational Studies / CPD department
Bahrain Teachers College
University of Bahrain

Email : oalmahdi@uob.edu.bh

&

Prof. Aditya Maheshwari¹, Prof. Prasun Chakrabarti²

¹ Project Lead and Principal Investigator, NJR i3 LABS,

² Executive Dean (Research and International Linkage) and Institute Distinguished Senior Chair Professor

Techno India NJR Institute of Technology, Techno NJR Knowledge Campus, Plot SPL-T, Bhamashah
(RICCO) Industrial Area, Kaladwas, Udaipur 313003, Rajasthan, INDIA

Email : aaditya@technonjr.org

on

The **05th** Day of **August 2020**

Both the groups will share the scientific research results of the joint project. All the research papers that may be published from the joint research work will have joint authorship of the contributors from both the groups. Any patent(s) that may be filed on the basis of the joint research work will be shared by all the contributors from both the groups. All scientific data relating to the joint research, that may be exchanged, shall be done for academic purpose only. These data shall not be provided to a third party without the consent of both the parties involved in the joint research.

Osama Almahdi

Dr. Osama Al Mahdi

Aditya Maheshwari

Prof Aditya Maheshwari

Prasun Chakrabarti

Prof. Prasun Chakrabarti

Valid for three Years

TECHNO INDIA NJR INSTITUTE OF TECHNOLOGY



TINJR / Research-cell / 2020 / 010

INTERNATIONAL RESEARCH COLLABORATION

The following Research Groups of the faculty members shall identify and pursue research problems/projects having common interest in –

MACHINE LEARNING APPLICATIONS IN ENGINEERING AND MEDICAL FIELDS

Between research groups of

Prof. Utku Kose

Associate Professor
Suleyman Demirel University
Turkey

Email : utkukose@sdu.edu.tr

&

Prof. Prasun Chakrabarti¹, Aditya Maheshwari², Yogendra Singh Solanki³

¹ Executive Dean (Research and International Linkage) and Institute Distinguished Senior Chair Professor

² Project Lead and Assistant Professor, Department of Computer Science and Engineering

³ Assistant Professor, Department of Electronics and Communication Engineering

Techno India NJR Institute of Technology, Techno NJR Knowledge Campus, Plot SPL-T, Bhamashah
(RICCO) Industrial Area, Kaladwas, Udaipur 313003, Rajasthan, INDIA

Email : prasun.chakrabarti@technonjr.org

on

The 2nd Day of **August 2020**

Both the groups will share the scientific research results of the joint project. All the research papers that may be published from the joint research work will have joint authorship of the contributors from both the groups. Any patent(s) that may be filed on the basis of the joint research work will be shared by all the contributors from both the groups. All scientific data relating to the joint research, that may be exchanged, shall be done for academic purpose only. These data shall not be provided to a third party without the consent of both the parties involved in the joint research.

Valid for three years

Prof. Utku Kose

Prof. Prasun Chakrabarti

TECHNO INDIA NJR INSTITUTE OF TECHNOLOGY

No. 103/02/Trg/NCC

31 Jan 2019

Head of Institution

(i) Tecno India NJR
Institute of Technology
Kaladwas, Udaipur

(ii) Govt SSS , Tikad
Amet, Dist- Rajsamand

(ii) SRK Govt College
Rajsamand

(iv) Govt Sr. Sec. School
Khamnore

WITHDRAWL/RE-ALLOTMENT OF NCC SUB UNIT/TROOP

1. Ref NCC Directorate Raj Jaipur letter No. 7511/TRG dt 24 Jan 2019.

2. Approval of DY DGNCC Rajasthan is hereby accorded for withdraw/reallotment of following NCC sub unit/troop as given below, with immediate effect subject to existing terms and conditions to bear the financial implication by State Govt for aided Institutions/Sponsored or Self Finacing Institutions & without any incese in PI Staff/Manpower:-

S.No.	Withdrawal from	Cadet Str	Reallotted to the Institution	Cadet Str	Funded by
1.	Govt Sr. Sec. School, Khamnor	½ JD troop (50 Cds)	Govt SSS , Tikad Amet, Dist- Rajsamand	½ JD troop (50 Cds)	State Govt
2.	SRK Govt College, Rajsamand	1 SD Platoon (50 Cds)	Tecno India NJR Institute of Technology Kaladwas, Udaipur	1 SD Platoon (50 Cds)	Self Finacing Institution

3. The concerned Principal and concerned staff of the above new raising institution to meet CO/AO for futhrer necessary action at the earliest.



[Handwritten Signature]
COL
ADM OFFICER
10 RAJ BN NCC, UDAIPUR



TINJR / Research-cell / 2020 / 009

INTERNATIONAL RESEARCH COLLABORATION

The following Research Groups of the faculty members shall identify and pursue research problems/projects having common interest in -

APPLICATIONS OF ARTIFICIAL INTELLIGENCE & DATA ANALYTICS IN DISASTER MANAGEMENT

Between research groups of

Prof. Indrajit Pal

Chair

Disaster Preparedness, Mitigation and Management (DPMM)

School of Environment , Resources and Development

Asian Institute of Technology, Thailand

Email : indrajit-pal@ait.ac.th

&

Prof. Prasun Chakrabarti ¹, Prof. Pankaj Porwal ² and Dr. Yasmin Ali ³

¹ Executive Dean (Research and International Linkage) and Institute Distinguished Senior Chair Professor

² Principal and Professor & Head, Department of Civil Engineering

³ Associate Professor , Department of Chemistry

Techno India NJR Institute of Technology, Techno NJR Knowledge Campus, Plot SPL-T, Bhamashah (RICCO) Industrial Area, Kaladwas, Udaipur 313003, Rajasthan, INDIA

Email : prasun.chakrabarti@technonjr.org

on

The 15th Day of July 2020

Both the groups will share the scientific research results of the joint research activities. All the research papers that may be published from the joint research work will have joint authorship of the contributors from both the research groups. Any patent(s) that may be filed on the basis of the joint research work will be shared by all the contributors from both the groups. There are no financial obligations to both the research groups related to this research collaboration. All scientific data relating to the joint research, that may be exchanged, shall be done for academic purpose only. These data shall not be provided to a third party without the consent of both the parties involved in the joint research.

Indrajit Pal

Dr. Indrajit Pal

Valid for three Years

Prasun Chakrabarti

Dr. Prasun Chakrabarti



TINJR / Research-cell / 2020 / 004

INTERNATIONAL RESEARCH COLLABORATION

The following Research Groups of the faculty members shall identify and pursue research problems/projects having common interest in –

RESEARCH ASPECTS OF SOFTWARE ENGINEERING

Between research groups of

Dr. M Madhusudhana Subramanyam

Head, Department of Computer Science
College of Arts and Science
King Khalid University
Kingdom of Saudi Arabia

Email : mmsnaidu@yahoo.com

&

Dr. Prasun Chakrabarti

Executive Dean (Research and International Linkage) and Institute Distinguished Senior Chair Professor

Techno India NJR Institute of Technology, Techno NJR Knowledge Campus, Plot SPL-T, Bhamashah
(RICCO) Industrial Area, Kaladwas, Udaipur 313003, Rajasthan, INDIA

Email : prasun.chakrabarti@technonjr.org

on

The 17th Day of February 2020

Both the groups will share the scientific research results of the joint project. All the research papers that may be published from the joint research work will have joint authorship of the contributors from both the groups. Any patent(s) that may be filed on the basis of the joint research work will be shared by all the contributors from both the groups. All scientific data relating to the joint research, that may be exchanged, shall be done for academic purpose only. These data shall not be provided to a third party without the consent of both the parties involved in the joint research.

Dr. M Madhusudhana Subramanyam

Dr. Prasun Chakrabarti

Valid for three Years

TECHNO INDIA NJR INSTITUTE OF TECHNOLOGY



August 30, 2017

EON Reality AVR Lab at Techno NJR Institute of Technology

EON Reality has partnered with Techno India NJR Institute of Technology Udaipur, Rajasthan, India to create an Augmented Virtual Reality Lab at the institute for creating skills in AVR technology among students and foster innovation

AVR is a key disruptive technology and industry analysts predict its market to exceed \$300 Billion in next 3-5 years. While others have focused on gaming and entertainment application, EON over the past 18 years has focused on applying AVR for education and industry. Many governments, industry leaders and education institutions globally are applying EON AVR solutions for innovative skills development and industry solutions.

EON Reality has provided software, applications, hardware and training to students and faculty. We are hopeful that Techno NJR students and faculty will leverage the AVR Lab to enhance skills and develop innovative and disruptive solutions for industry. Techno NJR's location in Udaipur positions them well to apply AVR for Smart City projects also. We are aware that the institute has a strong focus on digital technologies and has partnered with other leading industry players for Cloud, Analytics, IOT and AI. AVR solutions leverage these key technology pillars.

Working with Techno NJR leaders, EON will continue to identify areas of mutual cooperation e.g. students internships, joint projects, seminars, lectures of experts, awareness programs. Some activities already undertaken include:

- Techno NJR conducted an AVR seminar at Udaipur Chamber of Commerce with EON Founder Chairman as the keynote speaker
- EON has awarded 6-months internship to two students who are currently working on EON AVR solutions at NSDC Office in New Delhi and interacting with government and industry clients, for AVR awareness program of NSDC for its Skill India initiative

EON AVR solutions are applicable for a wide variety of industry sectors including education, smart cities, manufacturing, energy, healthcare, construction, automotive, electronics, defense, culture and tourism. EON intends to support students and faculty in their effort to apply AVR to develop disruptive applications and connect them to EON's global market programs that enable developers to market to potential customers.

EON wishes Techno NJR for success with AVR skills and innovation and looks forward to a long and sustainable relationship of mutual value.

Yours Sincerely,



Sridhar Sunkad
Managing Director of EON Reality Pte Ltd

New File

Memorandum of Understanding (MoU)

Between

Techno India NJR Institute of Technology

&

Rubicon Skill Development Pvt. Ltd., Pune

For Training students on Artificial Intelligence / Machine Learning

This Memorandum of Understanding is made at Udaipur on 26th day of August 2017.

BETWEEN

Techno India NJR Institute of Technology, Udaipur (India) hereinafter referred to as "THE COLLEGE"
(Which term shall so far as the context admits be deemed to mean and include its successors and assigns) of the First Part,

AND

Rubicon Skill Development Private Limited a Company incorporated and registered under the Companies Act, 2013, having its Corporate office at 801, 8th Floor, Tower 1, World Trade Centre, Pune - 411014, Maharashtra, hereinafter referred to as "Rubicon" (which term shall so far as the context

Basu

admits be deemed to mean and include its successors, administrators, executors and assignees) of the Second Part.

1. **Introduction**

THE COLLEGE has decided to partner with **RUBICON** for the conduct of Training Program in Artificial Intelligence/Machine Learning (the "Training Program") at THE COLLEGE.

2. **THE COLLEGE Responsibilities:**

- 2.1. Shall nominate one person with adequate accountability and responsibility to coordinate the Training Program. He / She would act as the single point of contact for the proposed Programme.
- 2.2. Shall make available the infrastructure (including IT infrastructure, applications and connectivity) required to conduct the Training Program.
- 2.3. Shall provide all the support services and facilities to **RUBICON** during the conduct of the said Training Program. Adequate power backup through UPS and DG supplies during the training sessions
- 2.4. Shall coordinate with **RUBICON** and facilitate conduct of all the assessments including the assessment to be conducted by the external agency (if any) identified by **RUBICON**, as per schedule communicated by **RUBICON**.
- 2.5. Provide lodging, wherever available, as per the standards of **RUBICON** for faculty conducting the Training Programme for the total duration of the Training Programme plus two days (one day prior and one day after closure). The lodging so planned to be provided should be with independent room (with attached toilet), regular water supply, clean, with access to boarding facilities, should have well lit approach and surroundings, have adequate safety & protection and peaceful environment.

3. **Rubicon Responsibilities:**



- 3.1. Will provide necessary training as per Training Programme requirements and curriculum for delivery as per Annexure I to this MOU
- 3.2. Will provide suitable faculties for the training exclusive for classroom training
- 3.3. Will conduct assessment of its own and also arrange external assessment as required.

4. Other Terms & Conditions:

The following are other terms and conditions of engagement:

- 4.1. Batch Size: The batch size would need to be a min/ max of 22-25.
- 4.2. Each student would be made available for the Training Program for specified number of hours per day for the duration of the Training Program
- 4.3. Pre-assessment & Selection: RUBICON would carry out pre-assessment of the students who have applied for the course and shortlist the select candidates to undergo the Training Program. The final decision on selection of candidates eligible to take the Training Program shall be with RUBICON.
- 4.4. Programme schedule:
 - 4.4.1. Training Program scheduled commencement date _____
 - 4.4.2. Scheduled Completion Date: and will be completed by not later than _____
 - 4.4.3. Assessment schedule: The assessment of the students may be conducted within a period of up to two months from the date of successful completion of Program Training. RUBICON shall provide the schedule for assessment prior to the end of the Training Programme.

4.5. Commercial:

- 4.5.1. Training Fees: The training Fees is as follows,

Student Profile	Min no of students in a batch	Max no of students in a batch	Curriculum to be followed	Training Fee
4 th Year Students of Class of 2018	25	25	Part 1 of Annexure I	Rs 20,000 per student
3 rd Year Students of Class of 2019	22	25	Part 2 of Annexure I	Rs 75,000 per student

4.5.2. Payment Terms

50% advance and 50% within 5 days of completion of face to face training

4.6. Certification:

Students who are successful in the assessment conducted by RUBICON shall be awarded a certificate post completion of the training program.

4.7. Term of engagement:

This MoU is valid from the date of sign off by both parties for a period of five years, however both parties agree that based on mutual agreement, the terms may be extended. Both parties also agree that terms may be renegotiated.

4.8. Limitations and Warranties :

Both parties agree that it would be their endeavour to prevent any liability arising out of default or non-compliance of the MoU terms by the other party.

4.9. Termination:

4.9.1. Both parties can terminate the MoU with a prior written thirty (30) day notice on default of terms of non-adherence to any condition or responsibilities by the other party as outlined in this MoU in case such default is not rectified within such 30 days.

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- 4.9.2. Both parties also agree that it would be their professional endeavour that despite any termination of the MOU, progress would continue, without any prejudice to the ongoing Training Programmes, which would be without any hindrance and would be progressed for completion.

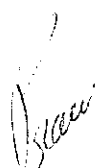
General Terms:

- 5.1. Both the parties may receive information proprietary to other party (the Confidential Information) in the course of performance of their obligations under this MOU. Confidential Information is not meant to include any information which (a) is publicly available (b) is rightfully received by the parties from third parties without accompanying secrecy obligations; (c) is already in either party's possession and was lawfully received from sources other than the parties or (d) is independently developed by the parties. The two bodies understand and acknowledge that the Confidential Information is valuable and confidential and agrees that it will at all times be kept in trust to be disclosed only to such persons as have a "need to know" the same for the effective implementation of this MOU and that it will only be used by the parties for the benefit of others.
- 5.2. Both the parties understand and agree that all written or other tangible data and documentation developed or procured by the other party in performing its obligations under this MOU, whether in printed or electronic form, belongs to other party and that other party will have all rights, titles and interests therein.
- 5.3. Both parties shall not use the name and brand of other party in any advertisement or make any public announcement without the prior written approval of the other.
- 5.4. Each party shall be at liberty to terminate this MOU with a written notice period of three (3) month to the other party without any compensation and seeking legal redress.

6. Jurisdiction:

In the event of any litigation, the court of jurisdiction shall be Pune.

7. Indemnification



Both parties agree to indemnify each other and hold the other party harmless from and against any claim, loss, liability, or expense, including, but not limited to, damages, patent, and trademark infringement, costs and attorneys' fees, arising out of or in connection with any acts or omissions of their agents or employees, as related to the terms of this MoU.

Any claim, compensation, case initiated by any student against Aricent in relation to the Training Program due to any acts or omissions of COLLEGE and/or RUBICON shall be defended and contested by the COLLEGE and RUBICON at their sole expenses and cost keeping Aricent indemnified from the same.

8. Limitation of Liability:

Except for the indemnification obligations, both parties agree that the liability would be limited to the amount of actual transactions between the two parties

9. Notices:

Any notices under this MOU will be sent by certified or registered mail, return receipt requested, to the respective address of Parties as contained in this MOU. Such notice will be effective upon its mailing as specified.

10. Intellectual Property Rights

10.1. RUBICON explicitly warrants that it owns all the intellectual properties related to content in all formats, the technology framework and all other related objects and the THE COLLEGE has no rights to use the content and mode of delivery for any other purpose.

10.2. Each party hereby undertakes to inform the other party of any violation of Intellectual Property Rights or its unlawful use, under prevalent laws of India Further, each of the party herein, agrees to co-operate with the other to the extent possible in the process of investigating such cases of any violation of Intellectual Property Rights or its unlawful use and taking legal action against the said infringement.

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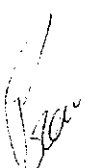
10.3. Upon expiration of this MoU, or two years period of time from the date of completion of the courses, whichever is later, each party hereby agrees that it shall not make any claim on the Trade Name or the copyrights of the other, which belongs exclusively to the other party, nor shall either party use any trade name which is deceptively or confusingly similar to the trade name of the other.

11. **Force Majeure:**

11.1. Neither party to this MOU shall be liable for any failure or delay on its part in performing any of its obligations under this MOU, if such failure or delay shall be result of or arising out of Force Majeure conditions and, provided that the party claiming Force Majeure shall use its best efforts to avoid or remove such cause of non-performance and shall fulfil and continue performance hereunder with the utmost dispatch whenever and to the extent such cause or causes are removed.

11.2. Any extraordinary event, which cannot be controlled by the parties, shall for the purpose of this MOU be considered as a Force Majeure event. Such events include acts of God, acts or omissions of any Government or agency thereof, compliance with rules, regulations or order of any Government Authority. Provided however, if either party claims that existence of any of the aforesaid conditions is delaying or disabling the performance by said party of its obligations under this MOU, such party shall give immediate notice to the other party of the existence of such conditions whose existence are claimed to delay or disable the performance of obligations as aforesaid.

IN WITNESS WHEREOF, to show their assent, the duly authorized representative of the parties hereto have signed the MoU and set their seals as below:-



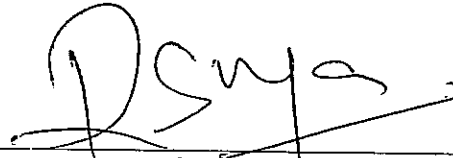
Party of the First Part

For Techno India NJR Institute of Technology

Stamp of the Party

Signature of Authorised Signatory :

Name of Authorised Signatory



Mr Raj Shekhar Vyas

Designation :

Director

Witness

Signature of Witness



Name of Witness :

Party of the Second Part

For Rubicon Skill Development Pvt. Ltd.

Stamp of the Party:

Signature of Authorised Signatory :

Name of Authorised Signatory



Pravir Kumar

:

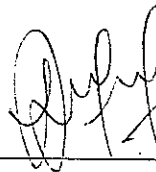
Designation

Chief Executive Officer

Witness

Signature of Witness

:



Name of the Witness

ANURAG SHARMA

Annexure – I

Part 1

1. Introduction to AI/ML – 2 weeks

The course outline can be modified with mutual agreement but the total training hours would be limited to 80 hours spread over 2 weeks

Topic	Content
Introduction to Python	About Python Basic programming in Python (loops, functions) Containers (tuples, lists, dictionaries) Introduction to NumPy Graphing and plotting using Matplotlib
Introduction to AI	What is AI and where is it used? History Intelligent agents and different levels of complexity
Solving problems	Solving problems using search Breadth-first search Depth-first search Heuristics search A* search Adversarial search Constraint satisfaction problems
Gathering knowledge of the world	Knowledge-based agents Propositional logic First-order logic Uncertainty, probability and Bayes' rule Hidden-Markov models Bayesian networks Making decisions Utility functions and simple decision-making Sequential decisions, value and policy iterations
Machine learning	Learning from examples (supervised learning) Regression vs classification K-nearest neighbors Decision trees Artificial Neural Networks Support Vector Machines Ensemble methods Unsupervised learning Clustering

BCA

	K-means Reinforcement learning
Communication and interacting with the world	Natural language processing (NLP) Computer vision (CV) Robotics

2. Project Work/Internship in AI/ML

- Duration – 2 months
- Scope –
 - Project/internship will be provided by Rubicon
 - Remote support will be provided to students to execute the projects

Part 2

1. Introduction to AI/ML – 2 weeks

The course outline can be modified with mutual agreement but the total training hours would be limited to 80 hours spread over 2 weeks

Topic	
Introduction to Python	About Python Basic programming in Python (loops, functions) Containers (tuples, lists, dictionaries) Introduction to NumPy Graphing and plotting using Matplotlib
Introduction to AI	What is AI and where is it used? History Intelligent agents and different levels of complexity
Solving problems	Solving problems using search Breadth-first search Depth-first search Heuristics search A* search Adversarial search Constraint satisfaction problems
Gathering knowledge of the world	Knowledge-based agents Propositional logic First-order logic Uncertainty, probability and Bayes' rule Hidden-Markov models Bayesian networks Making decisions Utility functions and simple decision-making Sequential decisions, value and policy iterations

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- Duration – 2 months
- Scope –
 - Project will be provided by Rubicon
 - Remote support will be provided to students to execute the projects

15/10

Machine learning	Learning from examples (supervised learning) Regression vs classification K-nearest neighbors Decision trees Artificial Neural Networks Support Vector Machines Ensemble methods Unsupervised learning Clustering K-means Reinforcement learning
Communication and interacting with the world	Natural language processing (NLP) Computer vision (CV) Robotics

2. Machine Learning

The course outline can be modified with mutual agreement but the total training hours would be limited to 80 hours spread over 2 weeks

Topic	Topic covered
Introduction to Applied Machine Learning	Statistical learning vs. Machine learning Iteration and evaluation Bias-Variance trade-off
Regression	Linear regression Generalizations and Nonlinearity Exercises
Classification	Bayesian refresher Naive Bayes Logistic regression K-Nearest neighbors Exercises
Cross-validation and Resampling	Cross-validation approaches Bootstrap Exercises
Unsupervised Learning	K-means clustering Examples Challenges of unsupervised learning and beyond K-means

3. Internship in AI/ML

Duration – 2 months

4. Project Work in AI/ML



TINJR / Research-cell / 2020 / 008



INTERNATIONAL RESEARCH COLLABORATION

The following Research Groups of the faculty members shall identify and pursue research problems/projects having common interest in -

DATA ANALYTICS IN SMART GRIDS

Between research groups of

Prof Pierluigi Siano

Professor and Scientific Director
Smart Grids and Smart Cities Research Laboratory
University of Salerno
ITALY

Email : psiano@unisa.it

&

Prof. Prasun Chakrabarti

Executive Dean (Research and International Linkage) and Institute Distinguished Senior Chair Professor

Techno India NJR Institute of Technology, Techno NJR Knowledge Campus, Plot SPL-T, Bhamashah
(RICCO) Industrial Area, Kaladwas, Udaipur 313003, Rajasthan, INDIA

Email : prasun.chakrabarti@technonjr.org

on

The **22nd** Day of **June 2020**

Both the groups will share the scientific research results of the joint project. All the research papers that may be published from the joint research work will have joint authorship of the contributors from both the groups. Any patent(s) that may be filed on the basis of the joint research work will be shared by all the contributors from both the groups.

All scientific data relating to the joint research, that may be exchanged, shall be done for academic purpose only. These data shall not be provided to a third party without the consent of both the parties involved in the joint research.

Prof. Pierluigi Siano

Valid for three Years

Prof. Prasun Chakrabarti



TINJR / Research-cell / 2020 / 003

INTERNATIONAL RESEARCH COLLABORATION

The following Research Groups of the faculty members shall identify and pursue research problems/projects having common interest in -

RESEARCH ASPECTS OF ARTIFICIAL INTELLIGENCE – A HEALTH INFORMATICS PERSPECTIVE

Between research groups of

Prof. Jonathan Andrew Ware

Professor
University of South Wales
UK

Email: andrew.ware@southwales.ac.uk

&

Prof. Prasun Chakrabarti

Executive Dean (Research and International Linkage) and Institute Distinguished Senior Chair Professor

Techno India NJR Institute of Technology, Techno NJR Knowledge Campus, Plot SPL-T, Bhamashah
(RICCO) Industrial Area, Kaladwas, Udaipur 313003, Rajasthan, INDIA

Email: prasun.chakrabarti@technonjr.org

on

The **09th** Day of **January 2020**

Both the groups will share the scientific research results of the joint project. All the research papers that may be published from the joint research work will have joint authorship of the contributors from both the groups. Any patent(s) that may be filed based on the joint research work will be shared by all the contributors from both the groups. All scientific data relating to the joint research, that may be exchanged, shall be done for academic purpose only. These data shall not be provided to a third party without the consent of both the parties involved in the joint research.

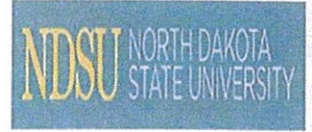
Valid for three Years

Prof. J A Ware

Prof. Prasun Chakrabarti



TINJR / Research-cell / 2019 / 001



INTERNATIONAL RESEARCH COLLABORATION

The following Research Groups of the faculty members shall identify and pursue research problems/projects having common interest in -

APPLICATIONS OF ARTIFICIAL INTELLIGENCE & DATA ANALYTICS IN MATHEMATICAL ECONOMICS

Between research groups of

Dr. Indranil SenGupta

Associate Professor and Mathematics Graduate Recruitment Chair
Department of Mathematics, North Dakota State University
NDSU Dept # 2750, Minard Hall 408E12
Fargo, North Dakota 58108-6050, USA
Email : indranil.sengupta@ndsu.edu

&

Prof. Prasun Chakrabarti¹, Prof. Pankaj Porwal² and Prof. Jitendra Shreemali³, Aditya Maheshwari⁴

¹ Executive Dean (Research and International Linkage) and Institute Distinguished Senior Chair Professor

² Principal and Professor & Head, Department of Civil Engineering

³ Professor, Department of Computer Science and Engineering

⁴ Assistant Professor, Department of Computer Science and Engineering

Techno India NJR Institute of Technology, Techno NJR Knowledge Campus, Plot SPL-T, Bhamashah (RICCO) Industrial Area, Kaladwas, Udaipur 313003, Rajasthan, INDIA

Email : prasun.chakrabarti@technonjr.org

on

The 21st Day of November 2019

Both the groups will share the scientific research results of the joint project. All the research papers that may be published from the joint research work will have joint authorship of the contributors from both the groups. Any patent(s) that may be filed on the basis of the joint research work will be shared by all the contributors from both the groups. All scientific data relating to the joint research, that may be exchanged, shall be done for academic purpose only. These data shall not be provided to a third party without the consent of both the parties involved in the joint research.

Dr. Indranil SenGupta

Dr. Prasun Chakrabarti

in the presence of

Mr R S Vyas

Director,
Techno India NJR Institute of
Technology, Udaipur

Valid for three Years



清华大学
Tsinghua University

TINJR / Research-cell / 2020 / 005

INTERNATIONAL RESEARCH COLLABORATION

The following Research Groups of the faculty members shall identify and pursue research problems/projects having common interest in –

RESEARCH ASPECTS OF BIG DATA ANALYTICS

Between research groups of

Dr. Jinlei Jiang

Associate Professor,
Department of Computer Science & Technology
Tsinghua University
China

Email : jjlei@tsinghua.edu.cn

&

Prof. Prasun Chakrabarti

Executive Dean (Research and International Linkage) and Institute Distinguished Senior Chair Professor

Techno India NJR Institute of Technology, Techno NJR Knowledge Campus, Plot SPL-T, Bhamashah
(RICCO) Industrial Area, Kaladwas, Udaipur 313003, Rajasthan, INDIA

Email : prasun.chakrabarti@technonjr.org

on

The 09th Day of March 2020

Both the groups will share the scientific research results of the joint project. All the research papers that may be published from the joint research work will have joint authorship of the contributors from both the groups. Any patent(s) that may be filed on the basis of the joint research work will be shared by all the contributors from both the groups. All scientific data relating to the joint research, that may be exchanged, shall be done for academic purpose only. These data shall not be provided to a third party without the consent of both the parties involved in the joint research.

Jinlei Jiang

Dr. Jinlei Jiang

Valid for three Years

Prasun Chakrabarti

Dr. Prasun Chakrabarti



TINJR / Research-cell / 2020 / 007



INTERNATIONAL RESEARCH COLLABORATION

The following Research Groups of the faculty members shall identify and pursue research problems/projects having common interest in -

RESEARCH ASPECTS OF NEUROCOMPUTING

Between research groups of

Prof Jinglu Hu

Professor
Graduate School of IPS
Waseda University
JAPAN

Email : jinglu@waseda.jp

&

Prof. Prasun Chakrabarti

Executive Dean (Research and International Linkage) and Institute Distinguished Senior Chair Professor

Techno India NJR Institute of Technology, Techno NJR Knowledge Campus, Plot SPL-T, Bhamashah
(RICCO) Industrial Area, Kaladwas, Udaipur 313003, Rajasthan, INDIA

Email : prasun.chakrabarti@technonjr.org

on

The **15th** Day of **May 2020**

Both the groups will share the scientific research results of the joint project. All the research papers that may be published from the joint research work will have joint authorship of the contributors from both the groups. Any patent(s) that may be filed on the basis of the joint research work will be shared by all the contributors from both the groups. All scientific data relating to the joint research, that may be exchanged, shall be done for academic purpose only. These data shall not be provided to a third party without the consent of both the parties involved in the joint research.

Prof. Jinglu Hu

Valid for three Years

Prof. Prasun Chakrabarti