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# 7.3.1: INSTITUTIONAL DISTINCTIVENESS XAVIER'S RESOURCE CENTRE FOR THE VISUALLY CHALLENGED (XRCVC)

- **❖** List of MoU signed by the XRCVC
- Scanned Copies of MoU
  - MoU for 2019 2020
  - MoU for 2018 2019



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# List of MoU signed by the XRCVC

List of MoU signed by the XRCVC with institutions of national, international importance, other institutions, corporate houses between 2015 and 2020.

Organization Date of Purpose and Activities		
Organization		Purpose and Activities
	MoU/LoU	
	signed	
Progressive Accessibility Solutions Ltd,	3 <sup>rd</sup> January	Using and user testing of Progressive
Birmingham, United Kingdom	2020	Access web service for creating
		accessible STEM graphics for
	- al-	students with blindness
Vision Empower	12 <sup>th</sup> August	Knowledge Partners at no cost basis
	2019	for content curation and deployment
		of Subodha-Online Learning
		management system for inclusive
		education for students with
Inchesion I Initiative Alliana Adams	1 St. A	blindness and low vision
Inclusive University Alliance- Ashoka	1 <sup>st</sup> August	Collaborate and Enhance the
University, IIT Kanpur, IIT Madras, IIM	2019	ecosystem for improving inclusion
Bangalore, Inclusive STEM Foundation, Vision Empower, ASSISTECH Lab –		at higher education institutes in India in general and within STEM
IIT Delhi		institutes in particular under the
III Bellii		collective cohort in the name of
		Inclusive University Alliance (IUA)
Chatrapati Shivaji Maharaj Vastu	20 <sup>th</sup> July 2019	Building accessibility for persons
Sangrahalaya, Mumbai	20 July 2017	with disabilities at CSMVS, Mumbai
Raised Line Foundation	1st February	Improving access of materials for
	2019	students with blindness and low
.50		vision in general and accessible
		tactile graphics in particular
Foundation for Innovation and Social	31st January	Promote collaboration, engagement
Enterprise	2019	and interaction between XRCVC
		and FISE in mutually beneficial
		areas specifically access
******	otha	technologies
IIT Kanpur	8 <sup>th</sup> May 2018	Enable IIT Kanpur to set up and
		deliver Inclusive Education Services
		on campus



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2019 - 2020



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### MOU with Progressive Accessibility Solutions, UK.

#### Terms of use

#### Between

Xavier's Resource Centre for the Visually Challenged (XRCVC), St Xavier's College, 5, Mahapalika Marg, Mumbai 400001, India, represented by Dr Sam Taraporevala, Director of XRCVC:

Hereinafter referred to as "the User";

#### And

PROGRESSIVE ACCESSIBILITY SOLUTIONS, LTD. The Maltings, Anderson Road, Bearwood, Birmingham, United Kingdom, Zip /Postal Code: B66 4AR, represented by Dr. Volker Sorge, Managing Director;

Hereinafter referred to as "P.A.S.";

#### Preamble

P.A.S. provides the User with access to the Web service as defined below.

By accessing or using the Web Service, the User agrees to be bound by the terms and conditions of this agreement, hereinafter referred to as the Terms of Use.

### I. Definitions

- 1.1 Web service: Web based subscription service for generation of accessible chemical diagrams.
- 1.2 Data: consists of XML data structures (SVG and CML) and a compressed JavaScript library which are the output of the Web service and are available client-side.
- 1.3 Intellectual Property Rights: any intellectual property rights, including patents, copyright (including moral rights), trade secret, design, trademarks.

### II. Intellectual Property Rights

The User acknowledges that the Web Service and Data and all their content, including any derivative materials or works and proprietary or confidential information, are protected by trademarks, copyrights, patents, service marks, trade secrets, intellectual properties and proprietary rights owned by P.A.S.

P.A.S. is the sole owner of all intellectual property rights relating to the Data and the Web service and is to remain the sole owner of any intellectual property rights covering future development of the Web service and the related software. All copyrights, patents, trade secrets or other intellectual property rights associated with any ideas, concepts, techniques, inventions, processes, or works of authorship developed or created during the course of this agreement shall belong exclusively to PAS

Apart from the limited use granted to the User by these Terms of Use, the User cannot acquire any



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title, right or interest in the Data or any of its material or content.

The User agrees not to use, collect, copy, reproduce, distribute, alter or create derivative works based upon, sell, publicly display, or otherwise exploit any content or information displayed on P.A.S.' site for any commercial aims or to the extent of such actions constituting copyright violations, injure or otherwise violate intellectual property of other proprietary rights of the Web service, except with a prior written consent from P.A.S.

#### III. Conditions

The User shall maintain in strict confidence and shall use and disclose only as authorized by P.A.S., the Data and all information of a competitively sensitive or proprietary nature that it receives in connection with work performed under this agreement. The User shall require its personnel to agree to do likewise.

The User agrees not to pass the login credentials provided by P.A.S. to access the Web Service to any third-party and to limit the number of accounts within their organization to 7.

The User must not attempt or perform any action to destroy, limit or interrupt the functionality of any hardware, software of telecommunications equipment connected to the functioning of the Web service.

The User fully understands and agrees that they may download or otherwise gather material or data by using the Web service at their own risk and discretion and that the User is the sole responsible for any possible damage to their computer or data loss that may arise as a result of downloading such content or data.

P.A.S. maintains their right to remove, discontinue or modify, permanently or temporarily, any portion or content of the Web service at any time and without notice. P.A.S. shall not be held liable by the User or any other third party for any change, modification, termination or suspension of the Web service.

P.A.S. also reserves the right to set and periodically modify general practices and specific limits related to the use of the Web service.

All personal data about the User will be hold by P.A.S. in compliance with the UK data protection regime.

#### IV. Consideration

Access to the Web service under this agreement is granted free of charge for the purposes and the duration of this agreement.

The User acknowledges that P.A.S. is under no obligation during the duration of this agreement to provide customer service.

After the free trial period under this agreement, P.A.S. and the User may agree to enter into a membership agreement, which would give the User further access to the Web service on a subscription basis.

In consideration for accessing the Web service, the User agrees to provide feedback on the Web service users' experience and authorizes P.A.S. to collect usage data and feedback on user



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experience and to use them for promotional purposes.

#### V. Term and termination

This agreement enters into force as of the date of signature by both parties. It shall be effective for a period of one year.

P.A.S. maintains the right to terminate, suspend or refuse the User's access to the Web service at any time for any specific reason.

#### VI. Miscellaneous

The provisions of this agreement are binding on the successors, assigns, affiliated and/or associated companies of the parties.

If any provision of this agreement is held illegal or unenforceable in whole or in part, the remainder of the agreement shall remain valid and the parties shall make the best effort to replace the deficient provisions by new and legal ones.

The parties expressly agree that no tolerance of any breach or failure to enforce all or any of the terms and conditions of this agreement by any party, regardless of its frequency and duration, will be deemed to be construed as an acquiescence to their amendment or as affording any unspecified right.

This agreement shall be governed by English law. Any dispute arising from the validity, interpretation and execution of this agreement shall be submitted to the competent UK Courts.

Initialed and executed in two originals.

Signed on: 3-01-2020

In: Birmingham, UK

For: Progressive Accessibility Solutions Ltd

Signed on: 24-12-2019

In : Mumbai, India

For : Xavier's Resource Centre for the Visually

Challenged

By:

Dr Volker Sorge Managing Director

Progressive Accessibility Solutions, Ltd.

S.M. Jaraporevola

By:

Dr. Sam Taraporevala

Director,

Xavier's Resource Centre for the

Visually Challenged



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### MoU with Vision Empower

### MEMORANDUM OF UNDERSTANDING

Between Vision Empower And Xavier's Resource Center for the Visually Challenged

This Memorandum of Understanding (hereinafter referred to as "MOU") is made and entered into by and between Vision Empower, a Trust registered under Indian Trust Act with the registration number BNG(U)JNR707/2017-2018/BK dated 4-10-2017 and having its office at Innovation Center, IIIT Bangalore, 26/C Electronics City, Hosur Road, Bangalore-560100, hereinafter referred to as "VE" (which expression shall be deemed to mean and include its successors and permitted assigns)

Xavier's Resource Centre for the Visually Challenged, (XRCVC, a department of St. Xavier's College, Mumbai) as part of the Bombay St Xavier's College Society having its registered office at St. Xavier's College, 5, Mahapalika Marg, Mumbai 400001 a non-governmental organisation here in referred to as "XRCVC" registered on 22<sup>nd</sup> March 1971 under Societies Registration Act, 1860 and the Bombay Public Trust Act, 1950

HEREINAFTER referred to as "XRCVC", and collectively as 'the Parties'.

### AND, WHEREAS Vision Empower

is a not-for-profit organization with the vision "to empower visually impaired children through inclusive education" and a mission "make Science and Mathematics accessible to school-going children with visual impairment, at par with that of their sighted peers". VE is incubated in incubated in the Innovation Center, International Institute of Information Technology Bangalore (IIITB). Since its inception in 2017, VE has been working towards making STEM (Science Technology Engineering and Mathematics) education accessible to students with visual

VE has developed an accessible LMS platform, Subodha, which will address the lack of consolidated STEM content for visually impaired student community as well as the need for teacher assistance for STEM curriculum in schools. The project provides:

- · Role based secure logins for teachers and students
- Admin section to upload the relevant content organized by grades and topics
- · Easy and accessible user interface for teachers and students to consume the content
- · Diagnostic tools to measure student learning over time

S.M. Jaraporevala Xavier's Resource Centre

Page 1 of 7



NAAC SSR Cycle 4 (2015-2020): 7\_3\_1\_MOU\_XRCVC\_20152020





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- Feedback mechanism on content and expert advice on specific needs of users from domain experts
- · Online Help to operate learning platform
- Error reporting and data retrieval for last user session

The content of the LMS includes the following:

- Instructor Kits to specifically address the learning needs of the visually impaired student
- Science and Math e-book chapter content in English and local languages
- · Description of all diagrams in chapter
- · Audio books, worksheets and quiz for each lesson
- Additional reinforcement reference material related to the topic

### AND, WHEREAS XRCVC

Is a not for profit organisation that works for promoting inclusion and access for persons with disabilities in general and persons with blindness and low vision in particular through its various advocacy, awareness and direct services programs. One key vertical of XRCVC's work is spearheading research and innovation in the field of effective Inclusive Education as also Inclusive STEM education for students with blindness and low vision.

XRCVC had developed Concept Teaching Manuals (CTMs) for STEM and non-STEM subjects to aid teachers/volunteers/parents to teach visual concepts to students with blindness and low vision.

The CTMs include the following

- · Detailed ideas on adapting visual content for a learner with blindness and low vision
- Specific tips, exercises and activities to ensuring effective learning for students with blindness and low vision.

XRCVC has also developed detailed framework of Special Skills for students with blindness and low vision along with a level wise curriculums for the special skills. The Special Skills content of the XRCVC include the following:

- A holistic special skill framework for students with blindness and low vision from Nursery till 10<sup>th</sup> grade
- A detailed curriculum for each special skill that included: lesson plans, lesson content and methods of teaching the special skill for the tutor of students with blindness and low vision.

### AND, WHEREAS

The Parties wish to jointly curate online Science and Math content on Subodha in 2019-20 and provide schools for visually impaired children as also teachers/parents/volunteers and other NGOs working with students with blindness and low vision with access to the platform on a not for profit basis. The joint activities include, but are not limited to, converting existing

Page 2 of 7

S.M. Jaraporevala

Xavier's Resource Centre for the Visually Challenged FOR VISION EMPOVIL

Trustee

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customized offline curricular content created by XRCVC for students with visual impairment and for tutors of students with vision impairment, reviewing and uploading the courseware and deploying in schools for use by students with visual impairment of Grade 1 to Grade 10 as also making it available to teachers/parents/volunteers and other NGOs working with students with blindness and low vision on a not for profit basis. The relevant sections of the VE Content Management process (Annexure 1) will be followed during the course of content creation and deployment.

**NOW THEREFORE**, in consideration of the premises, mutual promises, covenants, and warranties set forth hereinafter, the Parties agree as follows: -

#### 1. Engagement and Services:

- 1.1 Engagement: The parties agree to engage as knowledge partners at no cost to any one of the parties for undertaking the content curation and deployment on Subodha. The objectives of initiatives are as follows:
  - 1.1.1 Jointly review customized offline Science and Math content created by XRCVC for Grades 1-10.
  - 1.1.2 Jointly review customized online content created by VE for Science and Math on Subodha.
  - 1.1.3 Curate online content on Subodha for Mathematics and Science based on the existing content created by XRCVC.
  - 1.1.4 Jointly review customized Special Skills Curriculums created by XRCVC for Junior Kg –Grade 10 for students with blindness and low vision.
  - 1.1.5 Collaborate on skilling of school teachers from special schools for the blind to use Subodha and teach their students to use the platform for reinforcement of classroom learning.
- 1.2 Scope: The scope of the engagement in the duration 2019-22 shall be as follows:
  - 1.2.1 Creation of Accessible Science and Mathematics content for Visually Impaired students: The parties shall jointly create accessible content for Science and Mathematics including:
    - Curriculum based online content for Grade 1 to Grade 10.
    - b. Instruction Kits for teachers to design activities, tactile diagrams and tangible models or learning toys for each topic as required by visually impaired students
    - c. Braille worksheets for reinforcement of learning for each topic.
    - d. Special Skills Curriculums for students with vision impairment from Junior Kg to
    - e. Any online content agreed upon jointly by the Parties to be deployed on Subodha.

S.M. Jaraporevala

Page 3 of 7

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Xavier's Resource Centre for the Visually Challenged 7-0



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- 1.2.2 Implement a programme for skilling of Teachers of Mathematics and Science for Visually Impaired students on usage of Subodha: The Parties shall create a skilling program for teaching staff of Science and Mathematics in schools on using Subodha and obtain feedback from schools on further accommodations and features required. Details of the schedule and content of the training programme will be finalized based on mutual consensus between XRCVC and VE.
- 2. Representation and Warranty: All parties represent and warrant that they are under no contractual or other restrictions or obligations which are inconsistent with the execution of this Agreement or which will interfere with the performance of the engagement.

#### Relationship:

This MoU has no commercial implications or punitive damage implication.

#### Duration:

This MoU shall come into effect immediately on signing of the same by representatives of all the parties and shall remain in force for a period three years from the date of signing. This MoU can be extended through mutual consent after the completion of the period on such terms as may be then mutually agreed.

#### Termination:

The parties shall be entitled to terminate this MoU by giving ninety (90) days prior written notice to the other party. Upon termination of this MoU as set forth above, all rights and obligations hereunder shall forthwith terminate except the rights and obligations in respect of the information already shared by VE prior to the date of termination. No party shall have any commercial obligation on any other party in such case.

#### **OBLIGATIONS of VE:** 7.

- a. VE shall explicitly acknowledge XRCVC as a partner in all joint publications and related communications on relevant content on Subodha.
- b. VE shall share with XRCVC, the VE-process for content creation for instruction kits to be provided to the teacher. (Refer Annexure A for the VE Content Creation Process)
- c. VE subject matter experts and special education experts shall review the content from XRCVC.
- d. VE shall allocate human resources for the successful execution of the project as mutually agreed.
- e. VE shall review customized offline content created for Science and Math by XRCVC.
- f. VE shall curate online content on Subodha for Science and Math based on the review of existing content created by XRCVC.

S.M. Jaraporevala

Xavier's Resource Centre

Page 4 of 7

for the Visually Challenged

NAAC SSR Cycle 4 (2015-2020): 7 3 1 MOU XRCVC 20152020





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- g. VE shall design the skilling schedule/curriculum of school teachers for schools for VI to use Subodha and teach their students to use the platform for reinforcement of classroom learning.
- h. VE shall design the technical requirements for Subodha platform to ensure that content created jointly by the XRCVC and VE under the project is available both individuals working with students with visual impairment (volunteers/parents/teachers) as also schools of students with visual impairment to use at a no cost basis with the relevant log in systems.

#### 8. Obligations of XRCVC:

- a. XRCVC shall explicitly acknowledge VE as a partner in all joint publications and related communications on the online platform Subodha.
- XRCVC shall share all offline content created for Science and Math for Grade 1 to Grade
   10.
- XRCVC shall advice VE during creation of online content as per the VE content creation process shared by VE. (Refer Annexure A for the VE Content Creation Process)
- d. XRCVC shall share its Special Skill Curriculum framework and Curricullums from Junior KG to Grade 10.

### 9. Dispute Resolution:

In the case of any dispute or difference of opinion in respect of interpretation or application of any of the terms or expressions used in this MoU, the same shall be first amicably settled. In the event of the inability of the parties to arrive at an amicable resolution, disputes shall be resolved through arbitration in accordance with the provisions of the Arbitration and Conciliation Act, 1996.

IN WITNESS WHEREOF the parties hereto have executed these presents on the day month and year first above written.

WITNESS

Prof Amit Prakash

Chief Mentor, Vision Empower

For & on Behalf of Vision Empower

For VISION EMPOWER

Supriya Dey

Managing Trustee, Vision Empower

WITNESS NS Trivedi

Ms Neha Trivedi

For & on Behalf of XRCVC

Dr Sam Taraporevala

Director, XRCVC

S.M. Jaraposevala

Project Consultant, XRCVC

Page 5 of 7

Xavier's Resource Centre for the Visually Challenged Xavier's Resource Centre for the Visually Challenged

NAAC SSR Cycle 4 (2015-2020):

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### MoU with Inclusive University Alliance

### Collaboration for Inclusive Higher Education MoU

This Memorandum of Understanding is made on this 1st day of August 2019 by and between

- Ashoka University, Plot No. 2, Rajiv Gandhi Education City, National Capital Region P.O.Rai, Sonepat Haryana-131029 (India)
- 2. IIT-Kanpur, P.O. IIT Kanpur, Kalianpur, Kanpur U.P. 208016
- 3. Assistech Lab, IIT Delhi, Hauz Khas, New Delhi-110016,
- 4.IIT-Madras, P.O. IIT Madras, Chennai 600036.
- IIM-Bangalore, Bannerghatta Main Road, Opp to Apollo Hospitals, Bilekahalli, Bengaluru, Karnataka 560076
- 6. IIIT-Bangalore, 26/C Electronics City, Hosur Road, Bengaluru 560100
- 7. St. Xavier's College (Autonomous), Mumbai having its office at 5, Mahapalika Marg, Mumbai 400001
- 8. Inclusive Science, Technology, Engineering, and Mathematics Foundation (I-Stem)
- Vision Empower, W103 Innovation Center, IIIT Bangalore, 26/C, Hosur Rd, Electronics City Phase 1, Electronic City, Bengaluru, Karnataka 560100

Ashoka University, Sonipat, IIT-Kanpur, IIT-Delhi, IIT-Madras, IIM-Bangalore, IIIT-Bangalore St. Xavier's College (Autonomous), Mumbai, I-Stem, Vision Empower hereinafter together referred to as "Parties" and individually as "Party"

### Background and Purpose

- 1. Ashoka university is a pioneer in its focus on providing a liberal education at par with the best in the world. The aim at Ashoka is to help students become well-rounded individuals who can think critically about issues from multiple perspectives, communicate effectively and become leaders with a commitment to public service. While the Office of Learning Support (OLS) at Ashoka empowers and strengthens the community by providing equal access and opportunities available to the individuals with disabilities, it also promotes a collaborative approach to the implementation of policies on inclusion.
- 2. IIT-Kanpur, an eminent engineering academic institutes in India, offers both undergraduate and graduate degrees in engineering and science. By coordinating activities across departments / administrative units, the institute aims to provide a conducive environment to all differently abled employees, students and other casual workers of the Institute. The focus is to promote inclusive education for differently abled students and help them to fulfil their dreams.
- 3. Assistech, IIT Delhi Assistech Lab consisting of an inter-disciplinary group of faculty, students, and researchers at IIT Delhi who work towards developing affordable assistive technology solutions to empower visually challenged people. The group works towards delivering the conditional delivering the with end users and other stakeholders. The lab is in existence for more than the grant and its translational research efforts have led to successful products and solutions

which are presented the national and international market and have made an impact

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- 4. IIT-Madras, is the third Indian Institute of Technology that was established by the Government of India through the Institutes of Technologies Act, 1961, to provide education and research facilities in engineering and technology. It has over 5000 undergraduate and graduate students. The Institute is committed to making education accessible to persons with disability, and also supports research on the design and prototyping of assistive technologies for larger societal benefit
- 5. IIM-Bangalore, is a leading graduate school of management in Asia. Our vision is to be a global, renowned academic institution fostering excellence in management, innovation and entrepreneurship for business, government and society. IIMB is committed to provide "equal opportunity" for all students and also provide required support that can help them lead a life as independently as possible while they are at the Institute. Our intent is to go beyond the legal requirements to provide a truly inclusive environment for students with disabilities
- 6. IIIT-Bangalore (International Institute of Information Technology Bangalore) is a Deemed University and was established in 1999 with a vision to contribute to the IT world by focusing on education and research, entrepreneurship and innovation. The Institute is a registered not-forprofit society funded jointly by the Government of Karnataka and the IT industry. Since its inception, IIIT Bangalore, with its unique model of education, research, and industry interaction, has grown in stature to become an institution of considerable repute in academic as well as corporate circles
- 7. St. Xavier's College (Autonomous), Mumbai an academic institute of prominence established 150 years ago offered graduate and undergraduate courses across humanities, science and commerce fields. The Colleges vision is to build an academic community dedicated . to the holistic education of future leaders who will demonstrate innovation in their professional competencies, integration in their personal lives and inclusion in their social contribution.
- 8. I-Stem (Inclusive Science, Technology, Engineering, and Mathematics Foundation) is a group of young persons with blindness and low vision from India pursuing STEM education and careers. The group aims to be the leading self-advocacy group focused on changing the mindset, the resource availability and opportunities for persons with blindness and low vision to pursue STEM education and careers in India.
- 9. Vision Empower is a not-for-profit enterprise incubated in IIIT, Bangalore since 2017. Its mission is to make STEM education inclusive and accessible for students with visual

The Parties have agreed to enter into this MOU, which is intended to be the guiding document for defining the relationship between the parties and the agreement to promote collaboration. engagement and interaction between the parties in mutually beneficial areas.

### Understanding between the Parties

the parties agree to collaborate and enhance the ecosystem for improving inclusion at er education institutes in India in general and within STEM institutes in particular under the

Inclusive University Alliance (IUA)"

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- 2. The collaboration will include, but will not be limited to sharing of best practices for inclusion by members of IUA, Creating Accessible Teaching Learning Resources and sharing of the same between members of the IUA, Working on advocacy efforts needed in the space of inclusive higher education in India, Student and faculty exchange and collaboration to promote inclusion and access amongst the members of IUA.
- 3. All Parties will nominate 1-2 members to be part of the IUA on annual basis.
- 4 The IUA will agree to meet in person or virtually every 3 months for collaborative work and sharing of ideas.
- 5. The meetings/activities of IUA initially will be run based on shared financial resources of its members. Upon mutual consensus the members can jointly raise finances for any proposed
- 6. The parties on mutual agreement can invite more parties to join the IUA to promote its cause of inclusive higher education.

#### Non Exclusivity

It is agreed and clarified that this MoU is on a non-exclusive basis and the parties are at liberty to enter into similar MoU with others

#### Publicity and Public Information

All activities and projects taken up under the IUA will be jointly owned and shared amongst its members. Any media/publicity or press for work taken up under IUA will give due credit to all members of the IUA

#### Termination

Any party of "IUA" is free to exit the "IUA" after giving 30 days' notice in writing to the other

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

Mr. Sachin Sharma

Registrar, Ashoka University

Prof. Rajalaxmi Kamath

Chairperson, ODS, IIM Bangalore

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### MoU with CSMVS

### Memorandum of Understanding (MoU) between CSMVS and XRCVC

Building Accessibility for Visually Impaired Visitors at the CSMVS, Mumbai

This Memorandum of Understanding is made on this 13 Hday of August 2019

Between

Xavier's Resource Center For the Visually Challenged, (XRCVC) St. Xavier's College, Mumbai herein after referred to as "XRCVC" and "Chhatrapati Shivaji Maharaj Vastu Sangharalaya", formerly Prince of Wales Museum of Western India, herein after referred to as "CSMVS"

#### WHEREAS

- a. XRCVC is a department of St. Xavier's College (Mumbai) involved in inclusion and accessibility service delivery, advocacy and awareness work for persons with disabilities on a non-profit basis; and
- b. Chhatrapati Shivaji Maharaj Vastu Sangrahalaya (CSMVS), Mumbai is a premier museum of the country with over 70,000 artefacts from various parts of India and the world. The Museum is a vibrant centre of cultural activity which organises international exhibitions and educational initiatives in collaboration with museums and cultural organisations across the world and aims at creating awareness and sensitivity towards our rich heritage through a visitor-friendly museum experience including education, study, and enjoyment of the public.

**Now Therefore** in consideration of mutual covenants set out in this MoU, the parties hereby agree as per the terms of conditions detailed hereunder:

#### 1. Effective Date

The MoU is effective from 20th July 2019 upto 19th July 2020

### 2. Aim and Activities

XRCVC and CSMVS hereby agree to work together to improve accessibility to CSMVS and its displays to persons with visual disabilities (blindness and low vision). To fulfill this aim the parties agree to work on the following key areas:

- a. User feedback of CSMVS facilities, websites and mobile applications;
- Providing training to CSMVS staff in sensitization and understanding accessibility of such persons;

S.M. Jaraporevala

Kavier's Resource Centre for the Visually Challenged MUMB at 1



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 Any other activities as may be considered mutually feasible to promote accessibility to CSMVS and its displays.

#### 3. Obligations

- XRCVC's obligation will involve providing training services to CSMVS staff for understanding disabilities as also principles of creating accessible tactile diagrams and models.
- XRCVC will also coordinate with CSMVS in organising visits to CSMVS by persons with visual disabilities for user feedback and focus group discussions on accessibility.
- iii. XRCVC will also provide testing of CSMVS websites and mobile applications from accessibility perspective and provide vendor training for building accessibility in the CSMVS website and mobile applications.
- XRCVC will also provide support/training to CSMVS staff for development of tools and resources that facilitate access to visitors with visual disabilities at the Museum.
- CSMVS will ensure logistical support to organize the said visits and training as and when planned.
- vi. XRCVC will provide the above-mentioned services on a Pro-Bono basis. CSMVS will bear the logistical expenses of the visits or training venues planned.
- vii. XRCVC and CSMVS both agree to have a dedicated 1-2 staff/members (XRCVC and CSMVS staff) be available for the said project on regular basis from the commencement of this MoU.

### 4. Non-Exclusive

Is it agreed and clarified that this MoU is on a non-exclusive basis and the parties are at liberty to enter into similar MoUs with others.

### 5. Publicity and Public Information

All work for the said project will be jointly owned and shared by XRCVC and CSMVS

Any media/publicity or press for work done under the ambit of this MoU will give due credit to both XRCVC and CSMVS.

### 6. Termination

XRCVC or CSMVS are free to terminate the MoU after giving 30 days' notice in writing to the other.

S.M Jaraporevala

Kavier's Resource Centre

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The parties here to have executed this MoU in English, in duplicate each party retaining one copy thereof.

**IN WITNESS WHEREOF** the Parties hereto have put their hands and seal the day and year first hereinabove written.

SIGNED AND DELIVERED by Dr. Sam Taraporevala being the Director Of the "Xavier's Resource Center For the Visually Challenged"

In the presence of

NEHA TRIVEDI

SIGNED AND DELIVERED by Mrs. Manisha Nene being Director (Galleries and General Administration) authorised signatory Of the "Chhatrapati Shivaji Maharaj Vastu Sangrahalaya"

In the presence of

Vandana Prajanna

S.M. Jaraposevola

M. Shavier's Resource Centre

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### MoU with Raise Line Foundation

### Memorandum of Understanding (MoU)

### Background for this MoU

In the current scenario, majority of students with blindness are unable to pursue subjects like Science and Mathematics in higher standards due to lack of accessible materials particularly tactile diagrams. Most of them have to rely on hand made tactile diagrams produced by special educators for understanding various concepts. However, this approach is not scalable and requires significant effort. Due to limited exposure to tactile diagrams, their diagram interpretation capabilities are also restricted that further hinders their learning.

Over the years, few organizations in the country have put in serious effort to ensure access to tactile diagrams by working on various related aspects. Such organizations need to join hands and pool in their strength areas to realize the common vision of empowering every student with blindness to pursue subjects of their choice by providing access to content in accessible formats.

To mark the beginning of this collective focused effort, Raised Lines Foundation (RLF) and Xavier's Resource Centre for the Visually Challenged (XRCVC) agree to join hands for improving access to materials for students with blindness and low vision in general and accessible tactile diagrams in particular.

#### About the Collaborators

Xavier's Resource Centre for the Visually Challenged (XRCVC) is a department of St. Xavier's College (Autonomous), Mumbai part of the Bombay St. Xavier's College Society involved in inclusion and accessibility service delivery, advocacy and awareness work for persons with disabilities on a non-profit basis.

Raised Lines Foundation (RLF) is a not-for-profit (section 8) company incubated at IIT Delhi focused on design and production of tactile diagrams. It is an outcome of know-how and expertise first developed at Assistech under the MEITY sponsored Centre of Excellence in Tactile Graphics (CoETG), IIT Delhi.





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In consideration of mutual covenants set out in this MoU, the parties hereby agree as per the terms of conditions detailed hereunder:

Effective Date

The MoU is effective from 1st February 2019

#### Aim and Objectives

XRCVC and RLF hereby agree to work together in improving access to materials for students with blindness and low vision in general and accessible tactile graphics in particular. To fulfill this aim, both agree to work on building Tactile Graphics of mutually agreed upon topics time to time. In the first phase of this MoU the two parties have agreed on making tactile graphics for Geometry Study Set of approximately 14-20 kits with 20-30 diagrams per kit for School Education (Class 1<sup>st</sup> to 12<sup>th</sup>).

#### Roles and Responsibilities

- Both parties agree on the following without any financial implications:
  - a. XRCVC will provide content and pedagogical and special educator inputs for development of the tactile graphics masters at various stages of the project.
  - b. RLF will provide the technical expertise in developing the soft copy masters of the graphics and also the base molds for the graphics for production.
  - c. RLF will supply the soft copy of the final design file to the XRCVC. RLF and XRCVC will jointly hold the copyright for the content (diagrams) generated under this project.
  - d. RLF will produce 10 sets of Mathematics kits and provide 5 complementary sets to XRCVC and 5 sets for its own use at no cost basis to the XRCVC, for catering to the needs of students connected to XRCVC and students/clients connected with RLF.
- XRCVC on demand can request for additional copies of the graphics or mold copies of the commonly needed diagrams of Mathematics kits from RLF, which will be provided at a rate applicable for partner Institutions.
- XRCVC and RLF both agree to have 1-2 staff/members be available for the said project on regular basis from the start date of this MoU. The team will do regular online/offline meetings (initially bi monthly) to plan and track the project.
- 4. By the end of the second quarter of the project itself, RLF will produce 50 promotional kits each comprising of up to 10 selected diagrams along with the complete catalogue in accessible formats (docx and Braille) to begin the outreach effort.
- To maximize the outreach and generate demand, RLF and XRCVC will send this
  promotional material (25 each) to their respective networks during the project period.



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- 6. For effective dissemination and outreach:
  - XRCVC will support in reaching out to government networks like ADIP, SSA and related ministries; connected organizations and schools.
  - b. RLF will reach out to various stakeholders through existing network of Assistech.
- RLF will produce necessary copies of the graphics for sale at the costs as governed by a uniform and transparent policy for long-term sustenance and credibility in the market place.
- XRCVC and RLF will jointly contribute or raise any financial resources if required to produce tactile graphics based on content from XRCVC and technical expertise of RLF.
- The project will be executed on priority with the final product to be ready by 31 Dec 2019.
- During phase 1 of the project, XRCVC and RLF would also strategize and finalize the work for phase 2 of the collaboration where the focus will be on other subjects based on identified needs.

### Quality Assurance

- XRCVC will ensure and validate quality of diagrammatic content through testing and feedback from end users as well as special educators.
- 2. RLF will ensure high quality design of diagrams based on existing design guidelines as well as the ones that evolve from the production of sample set at the beginning of the project.
- RLF will ensure quality assurance of the produced diagrams based on a mutually agreed OC checklist
- Both parties will ensure that QC process must lead to finalizing design guidelines and standards for future productions that can be formalized and published for wider usage under co-branding.

#### Non-Exclusive

Is it agreed and clarified that this MoU is on a non-exclusive basis and the parties are at liberty to sign similar MoU with others.



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### Publicity and Public Information

Any media/publicity or press for work taken under the ambit of this MoU will give due credit to both XRCVC and RLF. The Tactile Graphics produced will be co-branded with XRCVC and RLF on mutually agreed terms.

### Termination

Signed on: 7/02/2019

Prof. PVM Rao

Chairman, RLF

Signed by:

XRCVC or RLF is free to exit the MoU after giving 30 days' notice in writing to the other.

Signed on Behalf of RLF

APPLICATION.

for the Visually Challenger

Signed on Behalf of XRCVC

Signed on: 1210212019

Signed by:

Dr Sam Taraporevala,

Director, XRCVC

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# MoU with Foundation for Innovation and Social Enterprise

#### Memorandum of Understanding

Between

Xavier's Resource Centre for the Visually Challenged (XRCVC)

Foundation for Innovation and Social Entrepreneurship (FISE)

This Memorandum of Understanding (hereinafter referred as MOU) is made this 31st Day of January 2019,

- 1. Xavier's Resource Centre for the Visually Challenged (XRCVC), having its office at St.Xavier's College, 5 Mhapalika Marg, Mumbai 400001; and
- 2. Foundation for Innovation and Social Entrepreneurship (FISE), an initiative of Tata Trusts, registered as a company under section 8 of Indian Companies Act 2013 having its office at Social Alpha, #3, 1st floor, 14th Main, HSR Sector 5, Bangalore 560102.

XRCVC and FISE are hereinafter together referred as "Parties" and individually as "Party".

#### Background and Purpose

- 1. Xavier's Resource Centre for the Visually Challenged ( XRCVC) [Background] XRCVC is a department of St. Xavier's College (Mumbai) involved in inclusion and accessibility service delivery, advocacy and awareness work for persons with disabilities on a non-profit basis
- 2. FISE, which is an initiative of Tata Trusts, has been incorporated as a not for profit company under the Section 8 of Indian Companies Act 2013 to pursue the goal of taking innovations to the communities through incubator and accelerator programs as well as implementing Tata Trusts' innovation and entrepreneurship development missions.
- 3. XRCVC and FISE have agreed to enter into this MOU, which is intended to be the guiding document for defining the relationship between the two parties and the agreement to promote collaboration, engagement and interaction between XRCVC and FISE in mutually beneficial areas.

### Understanding between the two parties

- Both parties acknowledge the need to collaborate and enhance the ecosystem for promoting innovation and entrepreneurship in the areas of Assistive Technologies, Disabilities, Healthcare and other allied areas.
- The collaboration will include, but will not be limited to, co-hosting innovation events, grand challenges, technology and innovation evaluations, end user feedback and knowledge sharing, and contribution of problem statements to source the right interventions.

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- FISE and XRCVC will collaborate to develop innovative financing models to optimize the use of grants, equity and other instruments, as permitted under various government regulations and applicable laws.
- XRCVC will also be able to recommend start-ups/innovations to the FISE platform subject to the start-ups/innovations meeting FISE's incubation criteria and government regulations.
- XRCVC and FISE processes and guidelines remain paramount and nothing under this MOU shall supersede those provisions.
- Both parties are free to acknowledge the "partnership" status and mention the same in their communications subject to mutual agreement on branding and communication protocols.
- XRCVC and FISE may explore joining each other's investment committees and advisory boards.

#### Non-Exclusivity

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

#### Validity and Termination

This MOU is for an initial period of 5 years and may be terminated earlier by mutual written agreement of the parties at any time. Either party shall have the right, to unilaterally terminate this MOU upon 30 days prior written notice to the other party.

#### Assignment

It is understood by the Parties herein this MOU is based on the professional competence and expertise of each party and hence neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party.

#### Amendment

Amendments to this MOU may be made at any time through the mutual written consent by the parties concerned.

### Governing Law

This MOU and the relationship between the Parties hereto shall be governed by and interpreted in accordance with Indian Laws. Subject to the provisions of Clause below (Dispute Resolution), the courts at Bangalore, India shall have exclusive jurisdiction in relation to all matters arising out of this MOU.

Dispute Resolution

Xavier's Resource Centre for the Visually Challenged t. Xavier of Cologo, 5, N. inapplike Marg. Mumbai - 400 001, Tel. 022 22623298

S.M Jaraposevala

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This MOU is an understanding amongst the Parties hereto and shall bind the Parties to the fulfilment of the terms and conditions contained herein. In the event of any differences or disputes arising out of the interpretation or application of the provisions of this MOU, the Parties shall immediately consult each other with a view to expeditiously resolve such differences or disputes in a spirit of mutual understanding and cooperation. Such amicable settlement shall be done within (15) days of the first written communication of the dispute between the Parties.

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

[Signature Page Follows]

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S.M Jaraporevala

Xavier's Resource Centre for the Visually Challenged 51, Xavier's College, S. Monapalika Marg Mumbai - 400 001, Tel. 022 22823298 Section And Sectio

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# MoU (Letter of Collaboration) with IIT Kanpur

# भारतीय प्रौद्योगिकी संस्थान कानपुर

### INDIAN INSTITUTE OF TECHNOLOGY KANPUR

अधिष्ठाता आधारभूत संरचना एवं योजना DEAN OF INFRASTRUCTURE AND PLANNING



ज्यालय-आई० आई० टी० कानपुर-२०२०वर (भ Post Ofice: I.I.T Kanpur-208016 (Inc

Dated: May 8, 2018

To

Dr. Sam Taraporevala

The Director

Xavier's Resource Centre for the Visually Challenged St. Xavier's College (Autonomous), Mumbai.

Honorary Consultation for Building Inclusion Best Practices at IIT-Kanpur for Persons with Disabilities

Dear Sir

We thank the XRCVC team (Ms. Neha Trivedi and Ms. Rebecca Carvalho) for their visit to iIT Kanpur on 13-14° April 2018 to share XRCVC's experiences on building inclusion at Higher Education for students with disabilities and sharing their expertise and the St. Xavier's College (Autonomous), Mumbai's Inclusion model with our faculty, staff and students.

Based on our interactions with your team we would request the XRCVC to collaborate with us on an ongoing basis in providing inputs to build up the Inclusion systems, processes and facilities at BT-Kanpur.

We look forward to your expertise and inputs.

Regards,

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