Requirements Elicitation report

Autismo Application

We tried to contact more than 25 specialists and therapists in Twin cities 3 out of them responded and agreed to guide us in elicitation process. Details of each meeting are mentioned.

# Elicitation Resources

## Dr. Bashir H. SHah

MSc. PMDCP. PhD (Clinical Psychology)

Clinical Psychologist & Psychotherapist.

Dr. Bashir H. Shah is Clinical Psychologist & Psychotherapist, who has been trained in Psycho-Analytical Oriented Psychotherapy for Adults and Children. He worked for UNICEF, UNDCP, IPP, Karachi, Institute of Psychology, and Islamabad.

He is providing following Services.

1. Psychological Assessment & Psychotherapy for Adult and Children.
2. Marital / Couple Therapy.
3. Remedial Education and Speech Therapy for Autistic Children

Address: Medicure Hospital, E-11 Markaz, Islamabad.

Phone Number: +92-333-5525 979

### Meetings

* National Institute of Special Education (NISE), I-8, ISB - [January 1, 2018 1:00 PM – 3:00 PM]
* Medicure Hospital, E-11 Markaz - [January 4, 2018 2:00 PM – 3:00 PM – 5:00 PM]

### Advices

* Make the application in Urdu.
* Study more about ASD
* Told a lot about the psyche of Autistic children.

## Dr. Faiza Badar

Speech Pathologist – Associate Allied Health Officer

Address: Rehabilitation Center - Shifa International Hospital, H-8/4, Islamabad

Phone Number: +92-51-8463 436, +92-333-5536 622

### Meetings

* Rehabilitation Center - Shifa International Hospital, H-8/4, Islamabad - [January 1, 2018 4:30 PM-5:30 PM]

### Advices

* Develop an application in Urdu
* Koko is the application Mentored by Dr. Amina Imran, study about it
* Read more about Autism Spectrum Disorder (ASD)
* Picture Exchange Communication System (PECS) is a study and they have a similar application
* You can also work on Stammering

## Dr. Amina Imran

Address: Quid-e-Azam International Hospital, Pishawar Road, Rawalpindi

Phone Number: +92-323-5066 950

### Meetings

* 5th Floor, Quid-e-Azam International Hospital, Pishawar Road, Rawalpindi - [January 3, 2018 1:00 PM-2:30 PM]

### Advices

* There are a lot of applications for autistic people, if you are developing, make sure you develop it in Urdu.
* Autism Spectrum Disorder is a huge variety of disorders, you have to be very streamlined about your field.
* You can work on an application for nonverbal communication as almost every autistic child have communication issues.
* Sequencing is another good way of helping autistic children. They do not know like normal people, what to do first and what after that, so you can make a sequence of info graphic cards that tell them about their routines.
* Some of autistic children are also sensitive to light and sound effects. You may develop an application that can give them therapy against these issues.
* Touch is another disorder. You can make an application that can use phone vibrations and let them help with touch issues.

## Mr. Muhammad Ghulam Durrani

Vice Principle - National Institute of Special Education, Islamabad

Address: National Institute of Special Education, Sector H-8, Islamabad

Phone Number: +92-51-9269653

### Meetings

* National Institute of Special Education, Islamabad - [January 1, 2018 1:00 PM-2:30 PM]

### Advices

* Develop an application in Urdu

## Ethnography in National Special Education Complex, H-8/4, ISB

Special Thanks to Ma’am Huma (Deputy Director).

[January 2, 2018 9:00 AM - 1:00 PM]

### Observed in:

* Music Class
* Brake Time (Played with them)
* One-to-one speech therapy session of 1 student
* PT Session

And gave them phone to play existing games like META to know their response.

### Observations

Music session is a recreational activity for children.

Knew the way how they are being educated there. Greetings, Weather, Speech therapy, PT session and circle time activity etc.

# Interviews with therapists

## Questions

1. **Stats of Autistic people and how many of them rehabilitate?**

1 out of 60 (Dr. Faiza Badar)

1. **Basic Symptoms?**

* Stomach issues and complications in intestines
* Speech issues
* Hyperactive
* Aggressiveness
* Very resistant to change

1. **In what age, symptoms of ASD are reviled?**

18-24 months normally.

1. **In what age, recovery is optimal?**

No Specific age, we have patients ranging from 3 years to 27 years of age.

Mostly 4-4.5 years children are brought to us.

1. **What should be on parents’ end?**

Convincing parents is sometimes a huge task. They think they can buy cure with money but it is the matter of consistency and can take time.

1. **What are the other cures rather than therapy?**
2. **Which therapies should be included in mobile application?**
3. **Any similar Application you know about?**

Kuku, PECS

1. **Would you prefer to recommend Autismo to your patients?**

Off course we are willing to have such an application especially in Urdu.

1. **Tell a little about the psychology of Autistic children.**

* Unsocial
* Self-Harm
* Aggression
* Resistance to change
* Self-centered
* Attractive to rhythms in music
* Fidget spinners were actually designed for these children.
* Artists and creative in what they want.

1. **How much the therapy costs on average?**

In Government institutions, therapy is almost free. But a private therapist, he can charge from 15 to 30 thousand rupees / month for 3 therapies per week.

# Results

By this elicitation process and meetings with experts and ethnography we got the idea of what should we do. And decided to make an application which should be ultra-simple would be in Urdu and would tell the autistic children about some basic concept and some words.