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**Interview of
Dr. Sidra
Abid Syed**

**Review of
MS
Biomedical
Engineering
Program**

**Seminar on
Oral Cancer**

**Between
The Lines
ft.
Ms. Anamta
Zia**



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Seminar on Oral Cancer

A Seminar of biotechnology was conducted for BS Biotechnology 4th year students entitled as **Potential Malignant Disorders of Oral Squamous Cell Carcinoma: Role of Tumor Suppressor Candidate (TUSC) Gene** on March 11, 2022.

The Speaker of this session was **Mr. Aqib Ali Zaidi**, PhD fellow and molecular technologist of Next Generation Sequencing at Centre for Genetics and Integrated Sciences (CGIS), Dr. Ziauddin Hospital Karachi. The seminar was hosted by student Kunuz Fatima and concluded by Maham Haseen.



PSYWSC Event - Faisalabad

IEEE conducted an event from 26th February to 27th February in Faisalabad. Under the supervision of Engr. Ashfaq Baloch, 8 students of IEEE students' branch travelled to Faisalabad to attend the event. It was a lavish event. Furthermore, students attended sessions of motivational speakers, speeches and technical workshops as well.





Financial Market Awareness Session

Biotechnology Seminar **DNA Finger Printing in Forensics** was given by **Dr. Razi Ahmed** from The Aga Khan University and Hospital (AKUH), Karachi on March 16, 2022.

Dr. Razi is currently working as a Research Coordinator on an International Anti-Covid randomized control trail running at Department of Medicine, AKUH.

Comparing of the event was done by student Talha Saleem and session was concluded by Ubaid-ur-Rehman. The Token of Appreciation was presented by Dr. Sidra, Assistant Professor at Department of Biomedical Engineering, ZUFESTM.



Birthday Celebrations

On 26th March, Department celebrated birthday of **Dr. Fariha** and **Engr. Mehwish Faiz** with the faculty.





Review of MS Biomedical Engineering Program

Review of MS BIOMEDICAL ENGINEERING Program was conducted on 25 March 2022 by QEC ZU. Internal Reviewer was Dr. Owais Ismail from the department of pharmacology, Faculty of Health sciences and External examiner was Dr. Muhammad Zeeshan-ul-Haque (Dean Faculty of Engineering), Salim Habib University.





Masters Final Thesis Defense of Engr. Mohammad Shaheer Mirza

On 25 March 2022, Engr. Shaheer Mirza appeared in his thesis defense seminar. His thesis title is **A vision-based Pakistani Sign Language recognition system using Machine Learning.**

The purpose of this research was to come up with an assistive technology that would use images and videos of Pakistani Sign Language (PSL) alphabets as input and recognize those alphabets for the non-user of sign language to understand. The dataset for this research was collected with the help native deaf signers of PSL from Ziauddin College of Speech Language and Hearing Sciences, Ziauddin University, Karachi. Then artificial intelligence techniques were used to classify the collected data. This system will ultimately help the deaf population of Pakistan communicate and compete with the normal population of Pakistan.



Interview with Dr. Sidra Abid Syed

Recently, Dr. Sidra completed her PhD in Electrical Engineering from Ziauddin University. On this occasion we talked about her experiences during the period of her PhD.



1. Introduce yourself to our readers.

S: I am Sidra Abid Syed, PhD in Electrical Engineering, Masters in Communication and Signal Processing and Bachelors in Biomedical Engineering.

I have accomplishments in career as an Administrator, Management Representative of Biomedical Products, Trainer, Motivational Speaker, Educator and a Researcher with expertise in higher education and demonstrated success in the development of students since 2006 till to date. Currently I am associated with Ziauddin University, Biomedical Engineering Department, Faculty of Engineering Science and Technology as an Assistant Professor but my experience and learning is versatile due to my prior experience of working in Industry and Educational Institute, The Kidney Center, Indus University, Chughtai Dental Supplies and Western International Pvt. Ltd.

2. Can you tell us about your PhD thesis? And why did you decide to work in this particular area?

S: I have personally seen few parents juggling with Voice problems of their children. We have Speech Language Therapists to help those struggling parents, I wanted to contribute towards this field and share this responsibility of SPLTs, their assistive staff and parents, therefore I tried to suggest a mechanism, system through which Voice disorders may be Recognized and Classified automatically. Endoscopic and imaging tools may be able to accurately describe morphological disability, but standardized perceptual assessment of the individual handicap may be lacking. This novel approach may fill this gap. As a prerequisite for scientific reasons, such as outcome measures, this may provide exact assessments of speech and voice. Therapy alternatives such as various surgical procedures and nonsurgical treatments may have an impact on patients' ability to communicate as well as the importance of their voice in their overall experience.

3. What difficulties did you encounter during your PhD?

S: In response of this question, I may say that it started with a Marathon of reading researches of related area as the Scientific community of world is contributing at very high pace so it is a challenge to get yourself updated. Let's admit it – this PhD journey is not easy. Like other fellows I found myself dealing with challenges that people outside academia may not be able to even fathom or relate to! Performing research, spending endless hours reading, trying to write the perfect paper, dealing with the pressure to publish, building and maintaining a network, going through the struggles of academic life, trying to spend quality time with your family I may conclude this situation that it was all about to fight with dejection and navigate research.

4. You were the one of the leading researchers of ZUFESTM for the year 2021, can you tell us about your research process?

S: Thank you for this acknowledgement, well in my opinion the field of research is romantic, it is a mixture of opportunities and excitement, but it is not the success every time, I have got to face many failures in this pathway. But fear cannot turn a researcher down, I had to sit down several times and regain the ability to think lucidly, admit my shortcoming, strengthen myself and redo it. As ALLAH clearly have mentioned in Quran,

إِنَّ مَعَ الْعُسْرِ يُسْرًا

Inna ma'al 'usri yusra

'Verily with every hardship comes ease' - Surah Ash-Sharh - Quran (94:6)

ALHAMDULILLAH this approach of consistency has never helped me in prevailing towards research and publication.

5. What advice will you give the candidates who want to pursue their PhD and career in research?

S: Very interesting question. Simply You have to marry with your thesis. Dear friends PhD may be one of the hardest things you have ever done, don't expect this as bed of roses, you may get loneliness in this journey but you don't have to give up, you must take your supervisor along with you, Be Sure what are his/her requirements from your work and most importantly try best, use every resource to get your work Publish timely through which you may get recognition in your research fraternity.



AUDACITY TO POP THE BUBBLE OF PSEUDO-HOPES

By: Ms. Anamta Zia (Lab Lecturer, DBME)

Day feels like a year, A year feels like a second. WHY?

Because we sit still with our hands wrapped around our legs? With knees pressed against our chest, chin resting on the knees wishing for something from somewhere to happen to us, something momentous. So that we couple ourselves with that peculiarity and we will be able to do the stuff we always desire to do till then we remain confined, we don't make an effort and every second passes us and we imprisoned ourselves in a bubble of desires/hopes.

Bro! stop wishing and do not waste your time waiting for that element. Cause that extraordinary thing will arise from nowhere but from inside of you, you have the power. We must not remain confined only to hope. We should take measures and ought to walk or crawl ourselves to the end. I mean, to the end of everything and anything that we love by hurting ourselves/our pseudo-hopes/the dreams we saw which hurt our eyes. Those that cost us our peace, the most valuable commodity.

We have to take a step!!!

-Then our heart will either suffer complete mayhem or peace? Peace.

Will we have something to name "extraordinary attainment?" Yes!

Well, will you be okay then? Yea.

Thenceforth your day doesn't feel like a year, A year doesn't feel like a second.

AZ.