

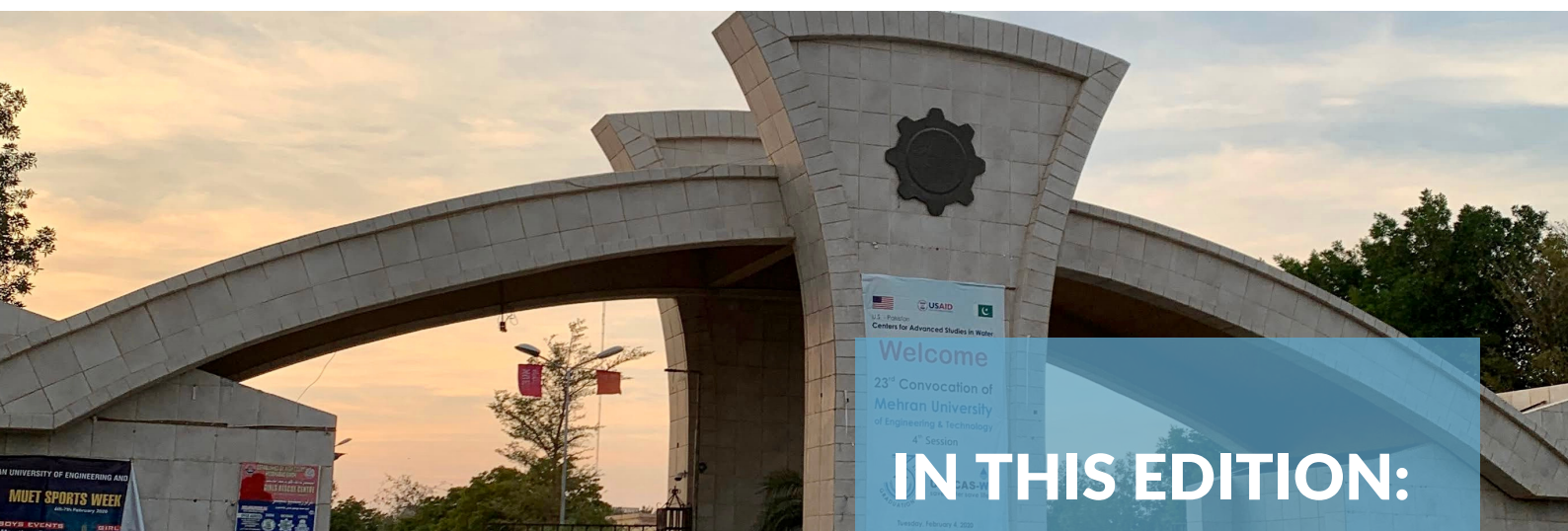
# EDITION-2

## SOFTWARE ENGINEERING

## MEHRAN UET JAMSHORO



NEWSLETTER FOR THE YEAR 2019-2020



### IN THIS EDITION:

- Software Engineering Society 2019-2020
- Our Shining Stars
- Highlight of Events
- In Conversation with Former President (SES)

## About Department

The use of computers and software applications recently has grown at a staggering rate. Software Engineering discipline is the heart behind the development of computer applications. It forms the basis of operational design and development of virtually all computer systems. The discipline extends to application development, computer networks, operating systems, and software development for embedded systems.

Software, as a mature Engineering discipline, has become essential in our everyday lives. Our Software Engineering degree program is considered as Mehran University's contribution to the tremendous growth of the software development industry.

Bachelor of Software Engineering degree program educates students with theoretical knowledge and empowers them with the practical skills required to start a rewarding career as a professional software engineer. Our students learn to develop and maintain high-quality software systems from the conceptualization of project ideas to design, implementation, deployment, and maintenance of software artifacts.





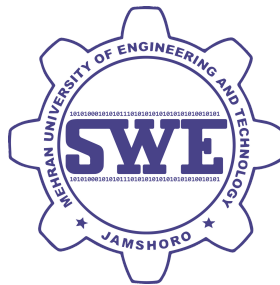
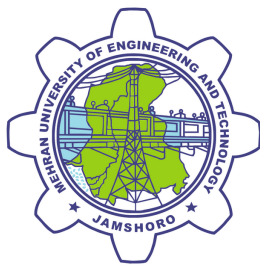


# SOFTWARE ENGINEERING SOCIETY 2019-2020





# HIGHLIGHTS OF EVENTS



# OUR SHINING STARS 2019





## **ANMOL LOHANA**

**Runner-up in Table Tennis competition at Sports Week'18 MUET.**



## **HIBA SHAIKH**

**Achieved the best delegate award in MUETMUN'18 as Syria for the committee of World Federation of Engineering Organization.**





**ABBAS RAZA**

**Back-to-back wins in Street Fighter playoffs tournament at TechArena SWE since 2018.**



**BHAGIA SHERI &  
POOJA KUMARI**

**Winner in F16 batch project exhibition at SPEED'19 MUET.**





**WAQAR AHMD, NEEL KUMAR,  
NANDLAL KHATRI & BILAL BHATTI**

**Runner-up in F16 batch  
project exhibition at  
SPEOD'19 MUET.**



**ASMATULLAH  
ZUBAIR**

**Best Ambassador at CCube  
18 QUEST Nawabshah.**





**ASMATULLAH ZUBAIR &  
ALEE KOLACHI**

**Runner Up of Speed  
Programming at  
TechArena'18.**



**ASMATULLAH ZUBAIR &  
VINOD BHEEL**

**Winner of Database  
competition at TechArena'19.**





**ADUL AHAD, AWAIS BALOCH AND  
FIDA SHAHANI**

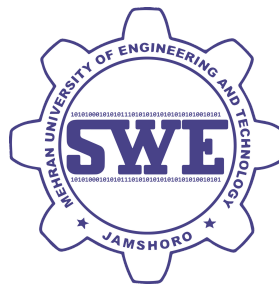
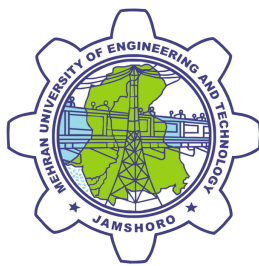
**Selected for Startup RINU  
2nd Cohort at RINU'19.**



**AMJAD DAHRI**

**Winner in Database  
designing and Blind coding  
at TechnoMind'18 Quest  
Nawabshah.**

# HIGHLIGHTS OF EVENTS



# SEMESTER EXCHANGE PROGRAM 2019



# SEMESTER EXCHANGE PROGRAM

KOMAL LOHANA

**About their experience:** The Global Undergraduate Exchange Program (Global UGRAD-Pakistan) provides a diverse network of youth leaders from across Pakistan with the opportunity to attend American universities. Ugrad has provided me with the best experience of my life! I have learnt so many things from this phase of my life. It's has been a lifetime opportunity!

17  
BATCH



## ALUMNA OF GLOBAL UNDERGRADUATE SEMESTER EXCHANGE PROGRAM.

SAIRA BANO

**"THE GLADDEST MOMENT IN HUMAN  
LIFE IS A DEPARTURE INTO UNKNOWN  
LANDS."**

**- SIR RICHARD BURTON**

The Global Undergraduate Semester Exchange program is a golden opportunity that helps us explore ourselves. I was a pleasure to represent my Country in United State and also learn their culture. I encourage all students to apply for such programs to grow themselves.

### EARNED SEMESTER EXCHANGE PROGRAM

#### HASNAIN MALIK

Mevalana exchange program provides a diverse network of youth leaders from across Pakistan with the opportunity to attend Turkish universities and I went to Gebze technical university in Gebze, Kocaeli. This program has provided me with the best experience of my life! I have learnt so many things from this phase of my life. It's has been a lifetime opportunity.



### EARNED SEMESTER EXCHANGE PROGRAM

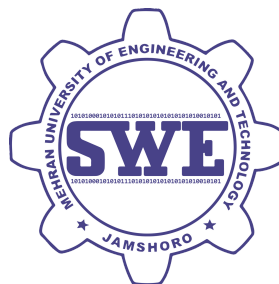
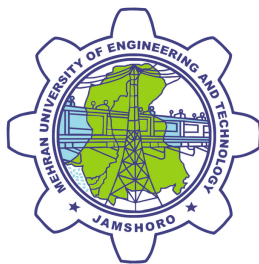
#### AMIR HASSAN

Mevalana exchange program provides a diverse network of youth leaders from across Pakistan with the opportunity to attend Turkish universities and I went to Gebze technical university in Gebze, Kocaeli. This program has given me the most unforgettable experience of my life! This period of my life has taught me a great deal. It's been a once-in-a-lifetime opportunity.





# HIGHLIGHTS OF EVENTS



# ACHIEVEMENTS 2019



# خودی

A SYSTEMS  
APPROACH TO BUILDING  
**WOMEN'S  
ENTREPRENEURSHIP**  
IN PAKISTAN



## TEAM SOFTWARE

Overall, 7 business Ideas were selected out of 23 ideas, where we managed to secure 4th position. The Title for our business idea was “We design what you want”. Indeed we had a great experience.

### NAME:

- YASRAB MEMON
- DUA ALI
- PIREH SHEIKH
- ASAD RAJPUT





# HIGHLIGHTS OF EVENTS



PRESENTS



TECH ARENA









# Bilal Ahmed

## 2nd Position in Chess at University Level.

★★★★★



**Samrat Kumar, Satya Pal,  
Muzamil Nawaz**

## Runner up in Database Building Competition.

★★★★★



**Bilal Ahmed**  
Winner of 2019 Software Project  
Expo. (Robotics Toll Plaza).

★★★★★



**Rida Arif**  
Runner up of Software Project  
Expo 2019 (SPECTRUM).

★★★★★



**Inayat Ali, Jawad Hussain,  
& Sheraz Ali**

Winner of Software Project  
Expo'19.

★★★★★



**ALI RAZA, YASIR BHATTI,  
and MOHAMMAD MOIZ**

Runner up of Software Project  
Expo'19.

★★★★★





## FATIMA YOUSIF

She was Google Developer Student Clubs (GDSC) lead (2020-2021). She is also a TechKaro 2020 graduate. With that Fatima was a speaker of JavaKaron Series - DSC MUET Chapter.



## **YUSRA KHOSO**

**She was Selected as  
President of the  
Software Engineering  
Society.**



## **HARIS MALIK**

He is a student of 18th Batch of Software Department. He won the tournament of PUBG in TechArena(2020).





## WAQAR SIYAL

He was the winner of Blind Coding Achievement of TechArena'20. He was also selected as Microsoft Learn Student Ambassador.



## RASHID WASSAN

In the beginning of COVID period I began with the Android App Development in my first semester and gradually switched to Flutter as it seemed prominent & future-proof option backed by Google.

My first intermediate level project was 'SS College Database' right after three months I started learning Flutter (it is that easy). I won SES Open Day 2020 with that project. I posted some screenshots of that app on LinkedIn and My post reached more than 19000 people. I received more than 10 job offers in first week because of that post. Post stated: I won SES Open Day 2021 as well. Although, I wasn't confident, but I started working at a private firm. In my first year, I got a job which was my biggest achievement. I have developed more than 15 professional-grade apps for international clients. I do receive work offers till today, thanks to power of LinkedIn currently I am in my second year

Other than that I have started my YouTube channel "Rashid's Tech Stuff" reaching almost 400 subscribers in a short span on time Along with all this I have published 2 articles

1. Is Flutter Future-Proof?
2. The Birth of Modern Computing



**SINDH EDUCATIONAL ORGANIZATION  
NURTURE SESSION COMPETITION**

NSC: 019

DATE: 19/01/2021

**SHAHZAD PANHWAR**

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**Artificial Intelligence**

In this age of self-driven cars, robots and supercomputers the discussion about Artificial Intelligence is a talking point. The role of AI in our daily lives is increasing day by day. It is considered as the future of technology and is one of the hot topic in many research projects. The scope of AI is so extended that we cannot summarise it here. But, nevertheless, we'll shed light on its prominent aspects.

Since, we know that creativity is the sole model of human intelligence, one cannot take his/her decisions without it. Same is the case with AI, creativity is an inavoidable challenge for the machines utilising AI. There are three main models of creativity which are considered in modelling of the AI.

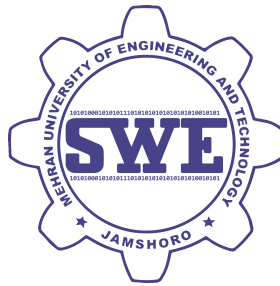
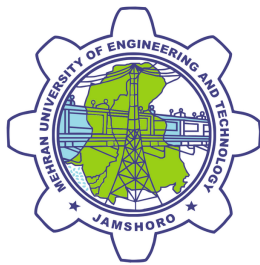
**Combinational Creativity:-** In this type, the novel combinations of ideas are generated e.g, "Invisible murderer", etc. It is one of the easiest type for AI.

**Exploratory Creativity:-** In this type, there are some established concepts under the scope of which AI operates i.e, there are some conceptual rules. We can take the selection between two best things as its example.

**Transformational Creativity:-** In this type, happenings outside the pre-defined rules are considered. In this type, highly potential ideas are obtained.

[Sindheducationalorganization@gmail.com](mailto:Sindheducationalorganization@gmail.com)





# **IN CONVERSATION WITH FORMER PRESIDENT (SES)**

**What was your first feelings when you heard you were announced as the president of SES?**

First, I would like to tell you something, the announcement was made in such a way that the president was announced in the last. So... my hope of getting selected in SES was diminishing as the team was being called out and then I heard my name I was thrilled that I AM part of SES and then I heard as a PRESIDENT I was stunned! And then it was pretty much a mix-up of all the emotions but mainly excitement was through the roof.

**What was your vision as a president?**

Well, this is one of the questions I was asked in the first interview, only a bit rephrased. What will be your aim if you are selected? and I replied to “serve others”.

My goal was simple, to represent the software department on the next level, and to make this society an example for all other societies of MUET (and Alhamdulillah we went beyond that). To increase public exposure and attract the youth under the umbrella of SES, to get SES so widely recognize that nobody hesitates to sponsor us in any way and create a more homely ambiance behind the scenes.

**Being president of a society, how it affected your life?**

Within a short period, the SES nurtured me in an enormous way. SES gave me multiple opportunities to learn, all the basic tenets of good management planning and execution. It equipped me with the most valuable tools; life skills as well as career skills, such as leadership qualities, teamwork, decision making, problem-solving, and deliberation to name a few. Above all, it made me learn how to work with peers and learn from them; to be tolerant enough to accept different perspectives, and to explore newer prospects.

**Any unforgettable experience during your tenure?**

PR drive to Nawabshah and the moment when they filled the complete hallway of the department (Still gives me goosebumps).

**How would you summarize your 1-year SES journey in a line, as a president?**

It was one hell of a ride!!!

**What Advice you would like to share with our future software engineer readers?**

Ummm...I don't think I am still experienced enough to be giving advice but if you ask... I would say It's ok to make mistakes. As mistakes plus correction is equal to learning.

**Thank you note** 📝

A few words on the society, honestly the most clichéd thing to say is that it is a family, but to be very honest I've met some of the best people in this society and I couldn't imagine spending one year in SES without them.





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# WORKSHOPS AND EVENTS

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## Artificial Intelligence Workshop

Free workshop on Artificial Intelligence organized by Software Engineering Society with Sir Mohsin Memon as speaker. He explained from basics to higher level concepts of Artificial Intelligence along with some new A.I projects, He further explained the usage and working on Microsoft Azure. Around 55 persons attended this workshop.







## Workshop on GitHub

Free workshop on GitHub organized by Software Engineering Society in collaboration with Google DSC - MUET with Haris Siraj as speaker. He explained and performed from basics to higher level concepts. Around 40 persons attended this workshop.



## Cloud Computing with Amazon Web Services

First CPD workshop organized by Software Engineering Society with Sir Aftab Ahmed Saraz as speaker. He taught covered topics from the basics of Cloud Computing to in-depth knowledge about EC2, S3 and Identity and Access Management. Around 50 persons attended this workshop.





## Dev Web

Web development workshop organized by Software Engineering Society in collaboration with Google Developer Student Club - MUET as part of Tech Arena Workshop Series, with Sir Jawad as Trainer.



## GitHub Get To Gather

GitHub introductory workshop organized by Software Engineering Society in collaboration with Google Developer Student Club - MUET as part of Tech Arena Workshop Series, with Haris Siraj as Trainer specially for first year students, to develop basic understanding of GitHub from scratch.







## Python 101

Python development workshop organized by Software Engineering Society in collaboration with Google Developer Student Club - MUET as part of Tech Arena Workshop Series, with Mursal Furkan as Trainer.



## Android App Dev

Android development workshop organized by Software Engineering Society in collaboration with Google Developer Student Club - MUET as part of Tech Arena Workshop Series with Zainab and Hira Mustafa as Trainers.





## Next Gen Cloud Computing

Secure your journey to cloud

A webinar organized by Software Engineering Society with Vivek Anand Sharma as speaker. He taught about Kubernetes, Docker and things about modern cloud computing. Around 62 persons attended the webinar.



## First Steps in the world of Django

A webinar organized by Microsoft Learn Student Ambassadors in collaboration with Software Engineering Society with Pallavi Agarwal as speaker. She taught demonstrated the initial steps into the world of Django along with some practical examples and exercises. Around 90 persons attended the webinar.





## Why choose Laravel

Developing web apps with best PHP framework

A webinar organized by Software Engineering Society with Aly Usman as speaker. He taught about basic working and introduction to Laravel along with some practical examples. Around 40 persons attended the webinar.



## Cloud Computing Security Essentials

Developing applications on the cloud using Firebase.

First CPD webinar organized by Software Engineering Society with Sumair Baloch as speaker. He taught developing and deploying web apps on firebase in a more secure oriented way. Around 70 persons attended the webinar.



## Latex

The art of professional Typesetting.

A CPD webinar organized by Software Engineering Society in collaboration with Google Developer Student Club - MUET and Microsoft Learn Student Ambassadors - MUET with Sir Zubair Sangi as speaker. He taught typesetting documents and Research papers in Latex format. Around 80 persons attended the webinar.

# THANK YOU

SOFTWARE ENGINEERING  
DEPARTMENT

