



Shaista Shabbir

Date of birth: 28/10/1994 | **Phone number:** (+49) 15906171828 (Mobile) | **Email address:** shaistashabbir87@gmail.com | **Website:** <https://www.researchgate.net/profile/Shaista-Shabbir> | **LinkedIn:** <https://www.linkedin.com/in/shaista-shabbir-a32a6b210> | **Address:** Hamburg, Germany (Home)

ABOUT ME

Results-driven AI/ML Engineer with a **Master's in Computer Science** and over **nine years of experience** in developing innovative **machine learning models** and **NLP solutions**. Expert in solving complex data challenges through **deep learning** and **predictive modeling**, I excel in writing **clean, scalable code** and executing **end-to-end projects**. Passionate about advancing **AI technologies**, I seek opportunities to lead **transformative initiatives** in **collaborative environments**.

WORK EXPERIENCE

01/11/2022 – CURRENT Hamburg, Germany

RESEARCH ASSISTANT-HITEC HAMBURG HITEC - HAMBURGER INFORMATIK TECHNOLOGIE-CENTER

Projects

- **Contributions:** Engaged in high-impact projects including **CoyPu**, **PEM**, **ewiVikis**, and **DigitalCurri**, focusing on **data science**, **NLP**, and **event extraction** tasks.
- **CoyPu Project:** Developed systems for dataset creation, knowledge discovery, event detection, and event extraction using advanced NLP models like **BERT**, **RoBERTa**, and **LSTM**. Created a web-based application to visualize events on a map, detailing location and event criticality.
- **PEM Project:** Designed deep learning models (e.g., feed-forward, GRU) to predict overall energy consumption, progressing towards machine-product energy use predictions.
- **DigitalCurri Project:** Focused on phase length prediction and energy consumption forecasting in tire curing presses using models like **LSTM**, **GRU**, and **MLP**. Conducted intensive unit and integration tests. Utilized REST APIs and **SQLAlchemy** for efficient data management and model integration.
- **ewiVikis Project:** Led the development of intelligent sauna systems using **AWS DynamoDB** (NoSQL) and Federated Learning techniques. Analyzed sensor data from **Ouraring** and **Raspberry Pi** devices, combined with feedback from questionnaires.

Technologies & Tools

- **Expertise:** Proficient in **Python** for machine learning, using frameworks like **PyTorch**, **TensorFlow**, and **Hugging Face Transformers** for large language models (LLMs). Developed APIs and dashboards using **Flask**, **FastAPI**, and **Streamlit**.
- **CI/CD & Version Control:** Implemented **Continuous Integration/Continuous Deployment** (CI/CD) pipelines using **GitHub Actions** and **GitLab CI** for automated testing and deployment. Managed codebases via **GitLab** and **GitHub**.
- **Project Management:** Utilized **GitLab Issue Boards**, **JIRA**, **Trello**, and **Confluence** to manage project timelines and tasks. Collaborated in agile workflows using **Slack** for real-time communication.

03/05/2019 – 31/10/2022 Kotli AJK, Pakistan

COMPUTER SCIENCE LECTURER UNIVERSITY OF KOTLI AZAD JAMMU AND KASHMIR (UOK AJK)

- Delivered lectures in **CS**, **IT**, **AI**, **DS**, and **SE** on topics such as **OOP**, **Data Structures**, **Algorithms**, **Machine Learning**, **Data Science**, and **Neural Networks**.
- **Designed and implemented curricula** for these courses, incorporating the latest advancements in **AI**, **Data Science**, and **Software Engineering**.
- Applied **innovative teaching methods** (hands-on activities, group projects) to foster **critical thinking** and **problem-solving**.
- Conducted **assessments** and provided **feedback** to ensure student progress across diverse fields.
- Supervised **programming** and **AI/ML projects**, assessing students' technical proficiency and problem-solving skills.
- Key contributor to **enrolling the first batch of AI/DS students**, overseeing tasks from **advertisement** to **admission**, including **social media management**.
- Led **student-led seminars** to encourage collaboration and idea exchange across departments.
- Stayed updated on **computer science** trends, ensuring course content remained **cutting-edge**.
- Collaborated with faculty in **departmental meetings** to improve academic programs.
- Actively participated in **professional development** through **conferences**, **workshops**, and **seminars**.

14/07/2019 – 11/09/2019 Islamabad, Pakistan

RESEARCH ASSISTANT COMSENS LAB, COMSATS ISLAMABAD

- Conducted **extensive research**, including **literature review**, **data collection**, and **synthesis** to advance knowledge in the field.
- Assisted in **project management**, organizing timelines, coordinating with team members, and ensuring **project milestones** were met.
- Engaged in **problem-solving** discussions, brainstorming **innovative solutions**, and implementing **strategies** to address research challenges.

- Utilized **Python** and the **Anaconda environment** for **data analysis, statistical modeling**, and **algorithm development** to ensure accurate results.
- Created **data visualizations** using **Tableau** and **Plotly** to communicate research findings to stakeholders.
- Prepared **research reports** and **presentations** using **LaTeX** for clear, formatted communication of research outcomes.
- Used **MS Visio** to create **flowcharts** and **process diagrams** to visualize research methodologies.
- Ensured **data quality** through **data cleaning**, preprocessing, and **statistical analysis** with **Python** and relevant tools.
- Collaborated with team members on **data interpretation**, identifying **patterns** and **trends**.
- Supported the team in preparing **grant proposals**, **literature reviews**, and ensuring compliance with **ethical standards**.
- Proficient in **MS Office** for administrative tasks, **data organization**, and **presentation preparation**.

06/11/2017 – 06/01/2019 KOTLI AJK, Pakistan

CAMPUS COORDINATOR, ASSISTANT EXAM CONTROLLER, CMS OPERATOR, LECTURER PUNJAB GROUP OF COLLEGES

- Taught **programming, data structures, algorithms, database management**, and **software engineering** from intermediate to master's level.
- Member of the **Exam Committee**, involved in developing and reviewing examination materials to align with course objectives.
- Head of Sports Management:** Oversaw planning and execution of campus sports activities and events.
- Coordinated **indoor campus activities**, managing schedules, facilities, and resources for both academic and non-academic events.
- Organized events to promote a **vibrant campus culture** and boost student engagement.
- Key role in **admissions process**, handling inquiries and assisting with enrollment.
- Managed communication with the **head office**, ensuring timely exchange of information on campus activities.
- Led the implementation of the **Campus Management System (CMS)**, overseeing **debugging, maintenance, and troubleshooting**.
- Collaborated with IT and stakeholders to ensure **CMS efficiency** and improve user experience.
- Mapped **policies and procedures** into the CMS to streamline administrative tasks and optimize data management.
- Engaged in **continuous improvement** of CMS through feedback, enhancements, and system updates.

03/09/2015 – 09/10/2016 Kotli AJK, Pakistan

SOFTWARE ENGINEER UNIVERSITY OF MANAGEMENT SCIENCES AND INFORMATION TECHNOLOGY KOTLI AJK

- Designed and developed** two software applications for the License Branch based on specific requirements from the Deputy Commissioner.
- Created** an initial desktop application with SQL database support using **C#.Net**, implementing efficient database management techniques.
- Led migration** from a desktop to a web-based application, leveraging **MVC, HTML, CSS, JavaScript, PHP, MySQL, Wamp, Xampp**, and **Bootstrap** to enhance functionality and accessibility.
- Collaborated with stakeholders**, including the Deputy Commissioner and end-users, to gather requirements, understand workflows, and ensure the software met desired functionality and usability standards.
- Conducted thorough testing and debugging** to identify and resolve defects, ensuring a smooth and reliable user experience.
- Integrated robust security measures**, implementing authentication and authorization protocols to safeguard sensitive data and maintain privacy.
- Provided comprehensive documentation** for both software versions, including technical specifications, user manuals, and troubleshooting guides to facilitate effective usage and ongoing support.
- Collaborated in a team environment** with developers, designers, and project managers to deliver high-quality software solutions within specified timelines.
- Maintained expertise** by staying updated with the latest advancements in software development technologies, ensuring software remained innovative and competitive.

EDUCATION AND TRAINING

10/2017 – 10/2019 Lahore, Pakistan

MS COMPUTER SCIENCE VU PAKISTAN

Master Degree Project: *Short-Term Electricity Load and Price Forecasting using CNN, Smart Grid*

Website <https://www.vu.edu.pk> | Field of study Software Engineering | Final grade 75% | Level in EQF EQF level 7

11/2012 – 12/2016 MUZAFFARABAD, Pakistan

BS COMPUTER SCIENCE UNIVERSITY OF AZAD JAMMU & KASHMIR

Bachelor's Degree Project: *Arms Licensing System (ALSK)*

Other Projects: *Library Management System, UMSIT website*

Website <https://ajku.edu.pk/> | Field of study COMPUTER SCIENCE | Final grade 89.89% GOLD MEDALIST | Level in EQF EQF level 6

08/2010 – 09/2012 KOTLI AJK, Pakistan

HIGHER SECONDARY SCHOOL CERTIFICATE BISE MIRPUR AJK

Website <https://ajkbise.net/> | Field of study ICS (Intermediate in Computer Science) | Final grade 81% | Level in EQF EQF level 4

Address CHOWKI KALAH, KOTLI AJK, Pakistan | **Website** <https://ajkbise.net/> | **Field of study** Natural sciences, mathematics and statistics |

Final grade 79% | **Level in EQF** EQF level 3

● LANGUAGE SKILLS

Mother tongue(s): **PANJABI; PUNJABI**

Other language(s):

| | UNDERSTANDING | | SPEAKING | | WRITING |
|----------------|---------------|---------|-------------------|--------------------|---------|
| | Listening | Reading | Spoken production | Spoken interaction | |
| ENGLISH | C2 | C2 | C2 | C2 | C2 |
| GERMAN | A2 | A2 | A2 | A2 | A2 |
| URDU | C2 | C2 | C2 | C2 | C2 |

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Software Development | Ms SQL Server | Software Quality Assurance (QA) | Database Management | Software Debugging and Testing | Software Documentation | Programming C C++ JAVA (J2EE) | Software Migration | Data Security | Data Analysis and Visualizations | Data Science | Adobe Illustrator & Adobe Photoshop | Python Programming | Web Designing & Web Development | Continous Integration and Continous Delivery | Version Control System (Git) | JIRA: working with Projects and Issues

Professional Skills

Mentoring and Advising | Problem Solving | Collaboration | Adaptability | Curriculum Development | Assessment and Evaluation | Research and Continuous Learning | Organization and Time Management

Personal Skills

Good leadership skills acquired through experience as SPA manager | Reliability | Team-work oriented | Creativity (problem-solving) | Time Management | Critical Thinking | Attention to Detail | Strong Work Ethic

● PROJECTS

Face Recognition Based Automated Attendance System

Drowsiness Detection using DLIB

Arms Licensing System ALSK

Face Detection using different Models and their Comparison

Automated Letzte-Generation Event Detection and Prediction

● PUBLICATIONS

Wind Power Forecasting Based on Efficient Deep Convolution Neural Networks [Wind Power Forecasting Based on Efficient Deep Convolution Neural Networks 14th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing](#)

An Efficient Virtual Machine Placement via Bin Packing in Cloud Data Centers

Data Analytics for Load and Price Forecasting via Enhanced Support Vector Regression

Virtual Machine Placement via Bin Packing in Cloud Data Centers

Efficient Resource Allocation Model for Residential Buildings in Smart Grid Using Fog and Cloud Computing

CERTIFICATIONS

Intro to Python Programming | University of Michigan

Link coursera.org/verify/HYZL5EXAEG3Q

Learn to Code with Python | Udemy

Link ude.my/UC=0bf74116-e792-465c-9a3c-8278477679bd

Intro to Data Analytics | Skill Up

Link https://drive.google.com/file/d/1A0NGEHuVPqxgGnzz6QY1Dt_Ox4nj18Y5/view?usp=sharing

Teacher Training: Teachers Can Be Great Speakers | Udemy

Link https://drive.google.com/file/d/1qjZSdyd_rfIAOs5ZXbhV_VjSxS-o2mM/view?usp=sharing

Wordpress | DigiSkills.Pk

Link <https://drive.google.com/file/d/1ZHzxG2gHr-8GwFiY1dpnQyM5-8nrD9qt/view?usp=sharing>

Freelancing | DigiSkills.Pk

Link <https://drive.google.com/file/d/1gtDK8tstBPFzJQaGVf2VD0y0adj6Xjbn/view?usp=sharing>

AutoCad | DigiSkills

Link <https://drive.google.com/file/d/1gl46ReSIA4NSDOfOSNJVnqz215TSolya/view?usp=sharing>

HONOURS AND AWARDS

Fully Funded Scholarship for Ph.D. – DAAD-Higher Education Commission Pakistan

Gold Medalist in BSCS amongst all the 5 Campuses – University of AJK

Active Citizen Social action project – BRITISH COUNCIL

“Certificate of appreciation” for Outstanding services as volunteer ICIRM – UMSIT Kotli AJK, Pakistan

“Award of Excellence” in recognition of 9th Position in HSSC 2012 – Al-Fajr Educational Society Kotli AJK

“Certificate of Contribution” for contribution in Organizing Environment Week “Think globally, Act Locally”, – UMSIT Kotli AJK, Pakistan

Badminton Championship 3 years (single and double), – UMSIT Kotli AJK, Pakistan

RECOMMENDATIONS

Lothar Hotz Head of HITeC e.V.

For recommendations, please feel free to contact him using the details provided above. If necessary, I would be happy to supply a formal letter as well.

Email hotz@informatik.uni-hamburg.de | Phone (+49) 040428832605

Link <https://www.hitec-hamburg.de/kontakt/>

Dr. Waqar Hussain HOD dept of AI & DS, UOKAJK

For recommendations, please feel free to contact him using the details provided above. If necessary, I would be happy to supply a formal letter as well.

Email hod.ai@uokajk.edu.pk | Phone (+92) 345903493

Link <https://uokajk.edu.pk/profile/30/dr.waqar-hussain>

HITeC

Dr. Lothar Hotz
Geschäftsleitung

HITeC e.V. Informatikum, Vogt-Kölln-Str. 30, 22527 Hamburg

Shabbir Shaista

Hamburger Informatik Technologie-Center e.V.
c/o Fachbereich Informatik
Universität Hamburg
Vogt-Kölln-Str. 30
22527 Hamburg
Tel. 040/42883-2605
Fax 040/42883-2572
E-Mail: lothar.hotz@hitec-hamburg.de
<https://www.hitec-hamburg.de>

EMPLOYMENT REFERENCE

The Hamburger Informatik Technologie-Center e.V. (HITeC e.V.) is the research and technology transfer center of the Department of Informatik at Universität Hamburg. HITeC carries out scientific research projects for various fields of application.

The project *Cognitive Economy Intelligence - Platform for Resilience of Economic Ecosystems - CoyPu* started in June 2021. In an increasingly interconnected corporate world, the company-specific parameters that are relevant from the perspective of crisis management are in very complex relationships and dynamic interactions with a wide range of external factors (e.g., location, customers, competition, suppliers, and personnel market, legal and social context). The CoyPu project addresses these complex economic challenges in crises with an intelligent platform for integrating, structuring, networking, analyzing and evaluating heterogeneous data from economic value networks as well as from the industry environment and social context. HITeC's mission is to explore and develop synergies between knowledge graphs and machine learning methods (hybrid AI). The focus is on geospatial and temporal data or data streams as well as time-dependent, graph-based AI methods and their application to event detection problems.

The innovation project *Development of a Value Stream Simulation Tool for the Process Industry – EVASST* aims to create an automated, parameterized simulation model of the customer's value stream network, spanning from raw materials to goods delivery. This model, derived from real data, will allow for rapid assessment of the effects of desired or potential changes without necessitating alterations to the actual production process. For this purpose, an image of the customer's value stream (production & logistics) is determined as a simulation model by an iterative optimization procedure of the model parameters, which can then be used by the customer for the simulation of various scenarios. The simulation model created and optimized in this way represents the customer's production network running in reality with all its behavioral characteristics.

Hamburger Informatik Technologie-Center (HITeC) e.V. Vereinsregister Hamburg VR 15499
Vorstand: Prof. Dr. W. Maalej (Vorsitzender), Prof. Dr. M. Fischer, Prof. Dr. M. Rarey, Prof. Dr. R. Usbeck
Geschäftsleitung: Dr. Lothar Hotz
SPARDA: BIC GENODEF1S11, IBAN: DE35 2069 0500 0000 6956 96
Umsatzsteuer-Identifikationsnummer: DE211109694

In the project Digital condition monitoring and maintenance recommendations for tire heating presses for economic and ecological optimization – Digital-Curri an intelligently networked monitoring and diagnostics module for the condition-based real-time monitoring of highly productive manufacturing systems in the tire industry is developed. Goal is it to identify and measure ecological and economic savings potential. The project aims to increase machine performance and availability, ensure quality and reduce energy consumption. The work of HITEC in this project includes the research and development of AI models for the prediction of cycle times, the prediction of energy consumption, and the prediction of possible errors based on those.

The goal of the EWIVIKIS - Development of an Intelligent Heat Cabin as a Tool for Vitality Measurement and Improvement based on an AI Recommendation System is the development of an intelligent thermal cabin. The use and application conditions of a new generation of heat cabins, as well as a new evaluation and prediction system to be developed, are to be researched. Health and vital parameters are to be recorded and measured during the heat application by means of suitable measuring sensors, considering external influences. After the preprocessing of these measurement data, a neural network is to be trained with the help of data protection-compliant, federated machine learning methods as part of the research question addressed by HITEC.

Ms. Shaista Shabbir, born on 28.10.1994 in Kotli Ajk, Pakistan, joined our association on 01.11.2022 and was employed as a research assistant in the above-mentioned projects until 31.12.2024.

Her responsibilities included the following research work in the team of scientists in the projects:

CoyPu:

- development of an NLP system using BERT, RoBERTa, and LSTM for dataset creation
- scraping data from Reddit, Twitter, and German news websites related to the Last Generation
- development of a system for event detection and extraction and development of a web app to map events, visualizing locations and severity details.

EVASST:

- extensively work on data analytics and
- development of deep learning models for energy consumption prediction, progressing towards machine-specific energy use forecasting

DigitalCurri:

- continuing working on models with LSTM, GRU, and MLP for phase length prediction and energy forecasting in tire curing presses.
- dataset preparation through REST APIs and SQLAlchemy,
- writing high-quality Python code adhering to best practices, ensuring scalability and maintainability.
- unit and integration testing to ensure robust solutions.

Hamburger Informatik Technologie-Center (HITEC) e.V. Vereinsregister Hamburg VR 15499

Vorstand: Prof. Dr. W. Maalej (Vorsitzender), Prof. Dr. M. Fischer, Prof. Dr. M. Rarey, Prof. Dr. R. Usbeck

Geschäftsführung: Dr. Lothar Hotz

SPARDA: BIC GENODEF1S11, IBAN: DE35 2069 0500 0000 6956 96

Umsatzsteuer-Identifikationsnummer: DE211109694

EWIVIKIS:

- design of intelligent sauna systems with AWS DynamoDB and Federated Learning
- connecting and analysing data from Ouraring and Raspberry Pi sensors,
- incorporating user feedback to enhance system intelligence and functionality.

Technologies utilized by Ms. Shabbir include:

- Machine Learning technologies
- CI/CD pipelines (using GitLab CI, GitHub Actions, and version control systems)
- task management using GitLab Issue Boards, JIRA, Trello, and Confluence
- collaborating with the team in agile environments through Slack
- Large Language Models (LLMs) and their application to AI trends such as AI explainability, event detection, and forecasting using LLM capabilities
- project management

Ms. Shabbir possesses comprehensive and versatile expertise, which she applied confidently and purposefully in practice at all times.

Thanks to her very quick comprehension, Ms. Shabbir immediately grasped even complex situations and identified the essential elements. Her pronounced logical and analytical thinking ability enabled her to arrive at independent, balanced, and always accurate judgments, even in challenging situations.

Ms. Shabbir always fully identified with her tasks, willingly going beyond regular working hours to successfully contribute to our association, and she readily took on additional responsibilities.

Ms. Shabbir always worked very carefully, conscientiously, and precisely. She found and implemented practical solutions for difficult problems and consistently achieved satisfactory results.

We were always satisfied with her performance in every respect.

Ms. Shabbir was a much appreciated contact person due to her fresh, obliging and cooperative manner.

The employment relationship with Ms. Shabbir is ending due to operational reasons. We would like to thank her for her excellent work at all times and wish her all the best and continued success for her professional and personal future.

Hamburg, 23. October 2024



Dr. Lothar Hotz
Geschäftsführung/CEO HITEC e.V.

Hamburger Informatik Technologie-Center (HITEC) e.V. Vereinsregister Hamburg VR 15499
Vorstand: Prof. Dr. W. Maalej (Vorsitzender), Prof. Dr. M. Fischer, Prof. Dr. M. Rarey, Prof. Dr. R. Usbeck
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SPARDA: BIC GENODEFIS11, IBAN: DE35 2069 0500 0000 6956 96
Umsatzsteuer-Identifikationsnummer: DE211109694



University of Kotli Azad Jammu and Kashmir
Faculty of Computing & Engineering
Department of CS & IT

NO. CSIT/ 575 /2022

Date: 19-08-2022

To whom it may concern

It is with great pleasure that I am writing this letter of recommendation for Shaista Shabbir, who served as a Computer Lecturer at the Department of Computer Science and Information Technology at University of Kotli AJK from May 2019 to Oct 2022, and have found her to be an exceptional instructor and a valuable member of our team.

Ms. Shabbir has a strong background in computer science, with a particular focus on Software Engineering, Data Structures, Data Science, Machine Learning, AI, Database and Web Development. Her expertise in these areas has allowed her to deliver lectures and seminars that are informative, engaging, and accessible to students of all levels. Her ability to break down complex topics into simple concepts has been a key factor in the success of her classes.

In addition to her excellent teaching skills, Ms. Shabbir has also been project supervisor, Member of Exam Committee, Member of the Board of Studies and an active contributor to research in the field of computer science. Her knowledge and expertise have allowed her to publish several papers in respected academic journals, and she has been invited to speak at conferences around the world.

Ms. Shabbir's contributions to our department of CS & IT have been immeasurable. She has always been willing to take on additional responsibilities and has consistently demonstrated a high level of professionalism and dedication. Her commitment to excellence has been evident in everything she does, from developing course materials to mentoring students.

Overall, I can confidently recommend Shaista Shabbir for any position related to her expertise. She is an outstanding Software developer, teacher, researcher, and colleague, and her contributions to the field of computer science are significant. I am certain that she will continue to be a valuable asset to any organization lucky enough to have her on their team.

Sincerely,



Chairperson

Chairperson
Department of CS&IT
University of Kotli A.J.K

Department of CS & IT

**PUNJAB
GROUP OF
COLLEGES**
Kotli Campus



Date: 12-04-2019
Ref: PCK-PR-1876

To whom it may concern,

I am writing to recommend Shaista Shabbir for any job opportunity related to her expertise. Shaista Shabbir worked as a part of the development team of CMS (College Management System) at Punjab Group of Colleges Kotli Campus from Nov 2017 to Jan 2019, and during that time, she demonstrated excellent skills in the development and maintenance of the college's CMS system.

Shaista Shabbir was responsible for the design, development, debugging, maintenance, updating of records, and reports generation on the CMS system. She worked diligently to ensure that the system requirements were rightly implemented, data is accurate and easily accessible to the relevant stakeholders. She also displayed excellent communication skills, and She was able to effectively communicate with the head office development team, campus faculty, staff, and students to address any issues that arose with the CMS system. Shaista Shabbir bridged communication between the head office and Kotli Campus, relaying and implementing the information by making reports and composing emails on the CMS platform. She was always willing to go the extra mile to ensure that the system was functioning optimally and that everyone was using it correctly.

Shaista Shabbir was an asset to the Punjab Group of Colleges Kotli, and She would make an excellent addition to any organization looking for someone with efficient Software development and maintenance skills. She is an excellent team player, delivering milestones and meeting deadlines. She is good at handling pressure I highly recommend Shaista Shabbir for any job opportunity related to her experience.

If you need further information related to Shaista Shabbir, please feel free to contact me.

Yours sincerely,
Muhammad Tariq Mahmood
+923465212835
tariqraj@gmail.com

[Handwritten signature of Muhammad Tariq Mahmood]

Principal
Opposite Total Petrol Pump
Bypass Road, Kotli Azad Kashmir

Shaista Shabbir - Certificates

**PUNJAB
GROUP OF
COLLEGES**
Kotli Campus



Date: 12-04-2019

Ref: PCU-PR-1875

To whom it may concern,

I am writing to recommend Shaista Shabbir for any position as per her expertise. As a computer science lecturer, project supervisor, event manager, controller examiner, head of sports, and campus coordinator at Punjab Group of Colleges Kotli, Shaista Shabbir demonstrated excellent leadership, communication, and technical skills.

During Shaista Shabbir's tenure (Nov 2017 to Jan 2019), she consistently received positive feedback from students and colleagues for her dynamic teaching style and ability to facilitate interactive learning experiences. She successfully managed numerous academic and extracurricular initiatives, including organizing and supervising student projects, coordinating campus events, and overseeing sports programs.

Shaista Shabbir also contributed to the development and implementation of academic policies and standards as a controller examiner, ensuring the quality of education provided to students. She demonstrated an exceptional work ethic and took on additional responsibilities, including providing guidance to students outside the classroom, maintaining accurate records, and providing feedback on curriculum development.

She is an excellent team player, delivering milestones and meeting deadlines. She is good at handling pressure. I highly recommend Shaista Shabbir for any position that requires a strong work ethic, excellent communication skills, and a commitment to student success. She would be a valuable asset to any organization and is deserving of your highest consideration.

If you need further information related to Shaista Shabbir, please feel free to contact me.

Yours sincerely,

Muhammad Tariq Mahmood Kotli
+923465212835
tariqraj@gmail.com



UNIVERSITY OF KOTLI AZAD JAMMU AND KASHMIR

Faculty of Computing & Engineering

Department of Software Engineering

Ref. No: SEI 831 2021

Date: 30-8-2021

It is my pleasure to recommend Ms. Shaista Shabbir who is known to me for the last 09 years (Nov 2012 to date). I was an instructor of Introduction to Programming offered to the students of Bachelor of Science Computer Science (BS Honors 4-year degree program) at Department of Computer Science and Information Technology, Faculty of Administrative Sciences Kotli, University of Azad Jammu and Kashmir, Muzaffarabad. The Faculty was later upgraded as University of Kotli, Azad Jammu and Kashmir. Being her instructor, I had observed her as an extraordinary student in her class, that has been acknowledged by her distinction (awarded a gold medal in the first position). I found her punctual, obedient, sharp learner, task-oriented, and above all having an interactive approach to have a deep discussion with teachers. One of the hallmarks of her personality is to help fellow students with zeal and zest. I often found her, teaching her fellow students during her BS degree program.

Her highly responsible and self-driven behavior distinguishes her from peers, and she is always ready to accept the challenging task with great courage. Shaista has an excellent working knowledge of algorithms, software engineering, management, and programming languages. Her performance in different courses especially stood out because of her unique ability to profoundly articulate her thoughts, her insightful class presentations, and the fresh ideas that she brought to the classroom during discussions. Shaista's persistent excellent performance was convincing enough that she has been hired as a lecturer in the University of Kotli Azad Jammu and Kashmir on a permanent basis.

I would conclude with a compliment that I feel no hesitation to strongly recommend Shaista for higher studies in her field of interest, and I am confident that she will appear as one of the most effective researchers among her peers at your institute.

I wish her a brilliant and successful career ahead.

In case of any query please contact the undersigned.

Yours Sincerely,

Dr. Rashid Mahmood,

Assistant Professor
Department of Software Engineering
UNIVERSITY OF KOTLI
Azad Jammu & Kashmir

Postdoc as Bioinformatician , 2019-2021, Department of oncology and pathology karolinska institute Sweden

Assistant Professor

Faculty of Computing and Engineering,

University of Kotli, Azad Jammu and Kashmir Pakistan

E-mail: rashid.mahmood@uokajk.edu.pk Mobile: +92-343-5634099



UNIVERSITY OF KOTLI AZAD JAMMU AND KASHMIR
Faculty of Computing And Engineering
Department of CS & IT

Ref No: CSIT/483/2021

Date: 07 September 2021

To whom it May Concern

I know Ms. Shaista Shabbir as a bona-fide student of BS (hons) and a competent teacher in Computer Science at Department of CS and IT, Faculty of Administrative Sciences Kotli, University of AJK, Muzaffarabad from Nov 2012 till today. The Faculty of Administrative Sciences Kotli campus is now known as University of Kotli, AJK.

I am glad that Ms. Shaista Shabbir is applying for admission in your university for Doctoral Program. I have known Shaista Shabbir for the past 8 years in my capacity as an Assistant Professor with the Department of Computer Science and Information Technology at University of Kotli Azad Jammu and Kashmir.

As her teacher, I have known her as a dedicated student, who was very regular in submission of her assignments. She is an intelligent student with a great amount of sincerity and dedication to her work. She also has good grasping power and analytical ability, which was reflected in her practical work. Her inquisitiveness showed in the intriguing and intelligent queries posed by her, thus revealing a creative mind. She has a zeal for understanding the essence of the subject, not just as an academic formality but also through her urge to thoroughly assimilate the fundamentals.

She has an open mind and is receptive to new ideas. She is willing to put in extra efforts to update herself on the latest developments in her field. She is also eager to shoulder additional responsibilities entrusted to her. I am fully confident that her flair for application of AI and Machine learning for innovative technologies would make her an apt research scholar.

Additionally, she also has good communication skills, high motivation and a sense of maturity in presenting her ideas and Her consistent first-rate academic performance led Shaista to rank first in her class claiming the Computer Science Gold Medal for 2016. The faculty at the University was also pleased by Shaista's hiring at the same institute. Keeping in view Shaista's academic performance and work ethic, I therefore strongly recommend that she may be admitted to this course. I believe that she will outperform her peers at your university too.

In case of any query please contact the undersigned.

Adnan Arif Butt.

MSCS Malardalen University Sweden
Assistant Professor, Dept of CS & IT
University of Kotli, AJK. Pakistan
adnan.butt@uokajk.edu.pk, 00925826960007, +92 301 5744111



University of Management Sciences and Information Technology Kotli
Faculty of Administrative Sciences Kotli
Department of Computer Sciences and Information Technology



It is to acknowledge that Ms. Shaista Shabbir has worked on a project "Computerized Arms licensing System" for the license section of police Department of District Kotli, under the supervision of the Department of Computer Sciences and Information Technology, UMSIT. The system was developed in two phases, one was the desktop application, a basic version so far and then an advanced web based application was designed, starting from 4th September 2015 to 10th October 2016.

Supervisor

(Zaheed Ahmed, Lecturer CS)

Lecturer
Department of CS&IT
Faculty of Administrative Sciences
Kotli (A.K)

Chairman

(Adnan Arif Butt, Assistant Professor)

Chairman
Department of CS&IT
Faculty of Administrative Sciences
Kotli (A.K)



Office of The Principal

GREENLAND PUBLIC SECONDARY SCHOOL (Regd)

Chowki Kalah, Tehsil & District Kotli (A.K)

Off: Ph:05826-430841

Mob: 0303-5894144

G.L.P.S.S /4546

Ref #.

GLPSSR/17

Date. 09 Aug 2017

EXPERIENCE CERTIFICATE

Certified that Miss SHAISTA SHABBIR D/O MUHAMMAD SHABBIR (late) has been serving in Greenland Public Sec School (Regd) Chowki Kalah, Kotli AJK code: 4546 from 07 April 2017 to 09 August 2017. She has been teaching almost all the subjects of middle and high classes. She is lucid in expression. She has perfect command and control over her class.

She bears EXEMPLARY moral character and shall prove an asset to any educational institution.

Principal
Greenland Public Sec.
School Chowki Kalah
AJK (A.K) Cd. 4546

03465197198



Arfa Kareem Institute of Modern Technology

Ref. No. 621
Date: 7/3/2017

TO WHOM IT MAY CONCERN

It is certify that Miss Shaista Shabbir D/o Muhammad Shabbir has completed internship program using Web Development tools in our institute from June 2014 to July 2014.

Regards

A handwritten signature in black ink, appearing to read "Haseeb".

Principal
ARFA KAREEM
INSTITUTE
OF MODREN TECHNOLOGY

07/03/2017
Arfa Kareem Institute of Modern Technology

Housing Scheme Near Goal Masjid Kotli A.K
Ph: 05826-445941
Email:akilt95@gmail.com

بسم الله الرحمن الرحيم

Roll No. 2

Regd. No.
2012-UKIB-13692



SESSION 2012-16

آزاد جموں و کشمیر یونیورسٹی^١
THE UNIVERSITY OF AZAD JAMMU & KASHMIR

This is to certify that SHAISTA SHABBIR

تصدیق کی جاتی ہے کہ
شائستہ شبیر

Son / Daughter of MUHAMMAD SHABBIR

بن/بنت
محمد شبیر

of the DEPARTMENT OF COMPUTER SCIENCE,
FACULTY OF ADMINISTRATIVE SCIENCES KOTLI

از
شعبہ کمپیوٹر سائنس، فیکلچی آف ایڈمنیسٹریٹو سائنسز کوٹلی

has obtained the degree of BACHELOR OF SCIENCE COMPUTER SCIENCE

نے
بچلر آف سائنس کمپیوٹر سائنس

securing 5999.50 / 6750 Marks / CGPA 88.88%

کی ڈگری 5999.50 / 6750 نمبرات/سی جی پی اے
88.88%

and was placed in A Division / Grade.

ڈویژن/اگریڈ اے میں حاصل کی ہے۔



Shaista
شائستہ
Vice Chancellor

Chancellor
چانسلر

Muzaffarabad,
Dated: 10.02.2017

Serial No. UAJK - 0195950

Harrison
کنٹرولر امتحانات

Controller of Examinations

S. No 0289



UNIVERSITY OF AZAD JAMMU AND KASHMIR

Certificate of Recognition

Ms. Shaista Shabbir Daughter of Muhammad Shabbir

is awarded with certificate of

Gold Medal / 1st Position in B.S. Computer Sciences for the session 2012-16.

Roll No. 02 Registration No. 2012-Ukib-13692

Department of Computer Science & Information Technology,
Faculty of Administrative Sciences, Kotli.



REGISTRAR

CONTROLLER OF EXAMINATIONS

VICE CHANCELLOR



THE UNIVERSITY OF AZAD JAMMU & KASHMIR
MUZAFFARABAD

Result Intimation (Revised)

Name: Shaista Shabbir
Reg. No: 2012-UKIB-13692
Department: Computer Science
Roll No: 2

Father's Name: Muhammad Shabbir
Faculty: Administrative Sciences, Kotli
Degree: BS (CS)
Session: 2012-2016

| Semester | Code # | Course Title | Cr.H. | Total Mrks | Obtained Mrks | Mks% | L.G | G.P CGPA | Remarks |
|-------------|---------------------------------|--|-------|------------|---------------|-------|-----|----------|----------|
| First | CS-1101 | Introduction to Computing | 4 | 200 | 161.2 | 80.60 | A | 4.0 | Promoted |
| | CS-1102 | Introduction to Computer Programming | 4 | 200 | 190.7 | 95.35 | A+ | 4.0 | |
| | MT-1103 | Calculus & Analytical Geometry | 3 | 150 | 143.0 | 95.33 | A+ | 4.0 | |
| | EG-1104 | English Comprehension and Composition | 3 | 150 | 120.0 | 80.00 | A | 4.0 | |
| | PH-1105 | Basic Electronics ✓ | 3 | 150 | 142.5 | 95.00 | A+ | 4.0 | |
| | SS-1106 | Pakistan Studies ✓ | 2 | 100 | 89.0 | 89.00 | A | 4.0 | |
| Total | | | 19 | 950 | 846.40 | 89.09 | A | 4.00 | |
| Second | CS-1201 | Object Oriented Programming | 4 | 200 | 160.1 | 80.05 | A | 4.0 | Promoted |
| | CS-1202 | Discrete Structures ✓ | 3 | 150 | 127.0 | 84.67 | A | 4.0 | |
| | MG-1203 | Linear Algebra | 3 | 150 | 137.0 | 91.33 | A+ | 4.0 | |
| | EG-1204 | Communication Skills | 3 | 150 | 144.0 | 96.00 | A+ | 4.0 | |
| | SS-1205 | Islamic Studies | 2 | 100 | 90.0 | 90.00 | A+ | 4.0 | |
| | MG-1206 | Financial Accounting ✓ | 3 | 150 | 126.0 | 84.00 | A | 4.0 | |
| Total | | | 18 | 900 | 784.10 | 87.12 | A | 4.00 | |
| Third | CS-2101 | Data Structures & Algorithms ✓ | 4 | 200 | 188.0 | 94.00 | A+ | 4.0 | Promoted |
| | CS-2204 | Introduction to Database Systems | 3 | 150 | 120.0 | 80.00 | A | 4.0 | |
| | CS-2103 | Digital Logic & Design ✓ | 3 | 150 | 139.5 | 93.00 | A+ | 4.0 | |
| | CS-2104 | Introduction to Software Engineering | 3 | 150 | 135.0 | 90.00 | A+ | 4.0 | |
| | EG-2105 | Technical & Business Report Writing | 3 | 150 | 142.0 | 94.67 | A+ | 4.0 | |
| | MT-2106 | Differential Equations ✓ | 3 | 150 | 142.0 | 94.67 | A+ | 4.0 | |
| Total | | | 19 | 950 | 866.50 | 91.21 | A+ | 4.00 | |
| Fourth | CS-2202 | Signals & Systems | 3 | 150 | 114.6 | 76.40 | B+ | 3.7 | Promoted |
| | SS-2204 | Probability & Statistics | 3 | 150 | 138.5 | 92.33 | A+ | 4.0 | |
| | CS-2206 | Data Communication | 3 | 150 | 145.0 | 96.67 | A+ | 4.0 | |
| | CS-2207 | Computer Organization & Assembly Languages | 3 | 150 | 129.0 | 86.00 | A | 4.0 | |
| | CS-2208 | Theory of Automata & Formal Languages | 3 | 150 | 147.0 | 98.00 | A+ | 4.0 | |
| | CS-3208 | Design and Analysis of Algorithms | 3 | 150 | 110.9 | 73.93 | B+ | 3.5 | |
| Total | | | 18 | 900 | 785.00 | 87.22 | A | 3.87 | |
| Fifth | CS-3101 | Computer Architecture ✓ | 3 | 150 | 122.0 | 81.33 | A | 4.0 | Promoted |
| | CS-3102 | Operating Systems ✓ | 4 | 200 | 185.5 | 92.75 | A+ | 4.0 | |
| | CS-3103 | Computer Networks | 3 | 150 | 132.5 | 88.33 | A | 4.0 | |
| | MG-3108 | Human Resource Management | 3 | 150 | 140.0 | 93.33 | A+ | 4.0 | |
| | CS-3109 | Computer Graphics | 3 | 150 | 135.0 | 90.00 | A+ | 4.0 | |
| | CS-4113 | Advanced Software Engineering ✓ | 3 | 150 | 139.5 | 93.00 | A+ | 4.0 | |
| Total | | | 19 | 950 | 854.50 | 89.95 | A | 4.00 | |
| Sixth | CS-2203 | Numerical Analysis | 3 | 150 | 136.0 | 90.67 | A+ | 4.0 | Promoted |
| | CS-3110 | Web Engineering ✓ | 3 | 150 | 126.5 | 84.33 | A | 4.0 | |
| | CS-3207 | Advanced Object Oriented Programming ✓ | 3 | 150 | 137.0 | 91.33 | A+ | 4.0 | |
| | CS-3213 | Compiler Construction | 3 | 150 | 135.0 | 90.00 | A+ | 4.0 | |
| | CS-3219 | Data Mining ✓ | 3 | 150 | 120.0 | 80.00 | A | 4.0 | |
| | MG-1208 | Principles of Management | 3 | 150 | 136.0 | 90.67 | A+ | 4.0 | |
| Total | | | 18 | 900 | 790.50 | 87.83 | A | 4.00 | |
| Seventh | CS-3101 | Thesis/ Project Part-I | 2 | 100 | 93.0 | 93.00 | A+ | 4.0 | Promoted |
| | CS-4102 | Human Computer Interaction | 3 | 150 | 138.5 | 92.33 | A+ | 4.0 | |
| | CS-4103 | Artificial Intelligence | 3 | 150 | 114.0 | 76.00 | B+ | 3.7 | |
| | CS-4122 | Web Design & Development | 3 | 150 | 135.0 | 90.00 | A+ | 4.0 | |
| Total | | | 11 | 550 | 480.50 | 87.36 | A | 3.92 | |
| Eighth | CS-4201 | Thesis/ Project Part-II | 4 | 200 | 175.0 | 87.50 | A | 4.0 | |
| | SS-4202 | Arabic | 3 | 150 | 143.5 | 95.67 | A+ | 4.0 | |
| | MG-4203 | Marketing And Entrepreneurship | 3 | 150 | 135.5 | 90.33 | A+ | 4.0 | |
| | CS-4119 | Distributed Database Systems | 3 | 150 | 138.0 | 92.00 | A+ | 4.0 | |
| | Internship/Practical Training ✓ | | | | S/U | - | S | - | |
| Total | | | 13 | 650 | 592.00 | 91.08 | A+ | 4.00 | GPA |
| Grand Total | | | 135 | 6750 | 5999.50 | 88.88 | A | 3.98 | Passed |

"ERRORS AND OMISSIONS EXCEPTED"

"The result is based on %age" CGPA

Compiled By: Sarfraz Shah***

Checked by

Muzaffarabad: 10-02-2017

Revised dated: 29 MAY 2017

Controller of Examinations

| Legends | Letter Grade (L.G.) | Numeric Value (NV) |
|----------------|------------------------|---------------------------------------|
| CRH | Credit Hours | Grade A+ 100% to 89.9 % |
| Mks % | Percentage Marks | Grade A 89.9 to 79.9 % |
| L.G. | Letter Grade | Grade B 79.9 to 69.9 % |
| WV | Course Withdrawn | Grade C 69.9 to 59.9 % |
| P.C. | Promoted on Change | Grade D 59.9 to 49.9 % |
| Marks Obtained | Grade E 49.9 to 39.9 % | CGPA = Cumulative Grade Point Average |
| GPA | Grade Point Average | |

GRADING SYSTEM

| Legends | | Letter Grade (L.G) | |
|---------|--------------------------------|--------------------|-------------------------------|
| Cr.H | Credit Hours | Grade A+ | 90% and above 90% |
| Mks% | Percentage Marks | Grade A | 80% to 89.9% |
| L.G | Letter Grade | Grade B+ | 72% to 79.9% |
| G.P | Grade Point | Grade B | 65% to 71.9% |
| GPA | Grade Point Average | Grade C | 50% to 64.9% |
| CGPA | Cumulative Grade Point Average | Grade F | Less than 50% |
| POC | Promoted on chance | Grade S / U | Satisfactory / Unsatisfactory |

Serial No: 058188
Roll No: MS170400556

Regd No: 017-VU-014275



Upon the recommendation of
The Faculty of Computer Science and Information Technology
confers upon
Shaista Shabbir
daughter of **Muhammad Shabbir**
the degree of
Master of Science in Computer Science (2 year program)
With all the rights, honors and privileges pertaining thereto
given this
third day of February two thousand and twenty

A handwritten signature in black ink, appearing to read "Shabir J".

Controller of Examinations



A handwritten signature in blue ink, appearing to read "Muhammad Shabbir".

Rector



TRANSCRIPT OF RECORD
Master of Science in Computer Science (2 year program)
Specialization : Software Engineering



Student ID: MS170400556
Name: Shaista Shabbir
Father's Name: Muhammad Shabbir
D.O.B: October 28, 1994
CNIC Number: 81202-2980551-4

Registration No: 017-VU-014275
Registration Date: October 06, 2017
Result Notification No: VU-CE/MS/20/0001
Result Notification Date: January 21, 2020
Mode of Study: Regular

| Semester | Code | Course Title | Cr. Hrs. | Grade | G.P. | Equiv. Marks | Remarks |
|-------------|-------|---|----------|-------|------|--------------|---------|
| Fall 2017 | CS702 | Advanced Algorithms Analysis and Design | 3 | A- | 3.69 | 80.58 | |
| | CS706 | Software Quality Assurance | 3 | A- | 3.89 | 83.48 | |
| | CS708 | Software Requirement Engineering | 3 | A- | 3.82 | 82.45 | |
| Spring 2018 | CS701 | Theory of Computation | 3 | A- | 3.83 | 82.63 | |
| | CS711 | Software Design | 3 | B | 3.11 | 72.43 | |
| | CS724 | Software Process Improvement | 3 | B | 3.15 | 72.89 | |
| Fall 2018 | CS707 | Network Security | 3 | B+ | 3.46 | 78.99 | |
| | CS710 | Mobile and Pervasive Computing | 3 | B+ | 3.47 | 77.15 | |
| Spring 2019 | CS712 | Distributed DBMS | 3 | C | 2.13 | 62.40 | |
| | CS718 | Wireless Networks | 3 | C | 2.38 | 65.11 | |

CGPA: 3.29
Overall Equiv. Marks: (756.09 / 1000) 75.61%
Credits Earned: 30
Credits Transferred: 0
Credits Exempted: 0
Credits Required: 30

All requirements completed

Controller of Examinations

Grading Scheme

| Letter Grade | Grade Points | Equivalent Percentage |
|--------------|--------------|-----------------------|
| A+ | 4.00 | 90 - 100 |
| A | 4.00 | 85 - 89.99 |
| A- | 3.66 - 3.99 | 80 - 84.99 |
| B+ | 3.33 - 3.65 | 75 - 79.99 |
| B | 3.00 - 3.32 | 71 - 74.99 |
| B- | 2.66 - 2.99 | 68 - 70.99 |
| C | 2.00 - 2.65 | 61 - 67.99 |
| D | 1.00 - 1.99 | 50 - 60.99 |
| F | 0.00 | Below 50 |

CGPA Calculation Formula:

CGPA = Sum (Credit Hours X Grade Point) / Sum of Credit Hours

| | |
|----------|--------------------------------|
| CGPA | Cumulative Grade Point Average |
| Cr. Hrs. | Credit Hours |
| G.P. | Grade Point |
| A | Audit Course * |
| D | Deficiency Course * |
| E | Exempted Course * |
| I | Improved |
| R | Repeat |
| T | Transfer Credit |

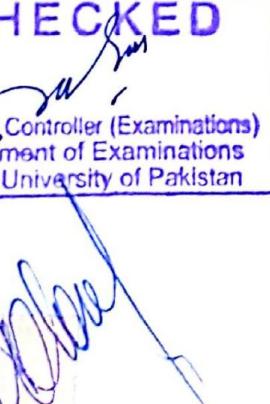
*Not to be counted towards CGPA

University Charter Date: September 11, 2002

Previous Degree & Institution Name: BS (CS) (University of Azad Jammu & Kashmir, Muzaffarabad, AJK)

CHECKED

Assistant Controller (Examinations)
Department of Examinations
Virtual University of Pakistan


Controller of Examinations

Rs 1000

HIGHER EDUCATION COMMISSION
PAKISTAN



2302126

Sohail Abdullah Aziz
Attestation Officer

26 MAR 2021

Higher Education Commission
Government of Pakistan
Islamabad

Allama Iqbal Open University
Islamabad-Pakistan



Serial No. A265545

Certified that Mr. / Ms. SHAISTA SHABBIR

Son / Daughter of MUHAMMAD SHABBIR

Registration No.: 18KKI02188

Roll No.: BS508046

having completed the prescribed requirements in semester

SPRING 2020 is awarded the degree of:

MASTER OF ARTS
EDUCATION

He/She has secured 69 % marks and placed in B grade.

3

CONTROLLER OF EXAMINATIONS

A. M. Khan

Result declared on: 1 April 2021

Date of Issue: 7 July 2023

Yousaf
VICE-CHANCELLOR



THIS DEGREE IS TO BE READ IN CONJUNCTION WITH THE TRANSCRIPT, ISSUED SEPARATELY

Serial No. 0834061

ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD
TRANSCRIPT



Serial No 116864
Name SHAISTA SHABBIR
Father's Name MUHAMMAD SHABBIR
Address P/O KHASS TEENDA KALAH VILL KALLAH .

Roll No. BS508046
Registration No. 18KKI02188
Enrollment Semester SPR-2018
Final Semester SPR-2020

Tehsil KOTLI
District KOTLI



has successfully completed MASTER OF ARTS EDUCATION
(DISTANCE AND NON FORMAL EDUCATION)

The detail of passed courses is as under

| Semester | Course Code | Title of Courses | Marks | |
|----------|-------------|--|---------|----------|
| | | | Maximum | Obtained |
| SPR- 18 | 0837 | EDUCATIONAL RESEARCH | 100 | 75 |
| SPR- 18 | 0838 | CURRICULUM DEVELOPMENT & INSTRUCTIONS | 100 | 62 |
| SPR- 18 | 0840 | EDUCATIONAL PSYCHOLOGY | 100 | 60 |
| SPR- 18 | 0846 | TEACHING STRATEGIES | 100 | 72 |
| SPR- 18 | 0855 | COMPUTER IN EDUCATION | 100 | 69 |
| AUT- 18 | 0831 | FOUNDATIONS OF EDUCATION | 100 | 69 |
| AUT- 18 | 0834 | EDUCATIONAL TECHNOLOGY | 100 | 76 |
| AUT- 18 | 0841 | EDUCATIONAL MEASUREMENT & EVALUATION | 100 | 70 |
| AUT- 18 | 0842 | CONCEPTS & METHODS OF DISTANCE EDUCATION | 100 | 68 |
| AUT- 18 | 0843 | EDUCATIONAL GUIDENCE & COUNSELING | 100 | 63 |
| SPR- 19 | 0845 | EDUCATIONAL ADMINISTRATION & SUPERVISION | 100 | 67 |
| AUT- 19 | 0851 | SYSTEM OF DISTANCE EDUCATION | 100 | 65 |
| AUT- 19 | 0833 | STUDENT SUPPORT SERVICES IN DISTANCE EDUCATION | 100 | 74 |
| AUT- 19 | 0835 | FOUNDATION OF ADULT EDUCATION | 100 | 68 |
| AUT- 19 | 0832 | PLANNING AND MANAGEMENT OF DISTANCE EDUCATION | 100 | 60 |
| AUT- 19 | 0850 | EVALUTION OF ADULT EDUCATION | 100 | 73 |
| AUT- 19 | 6550 | TEACHING PRACTICE-I | 100 | 83 |
| AUT- 19 | 6551 | TEACHING PRACTICE-II | 100 | 78 |
| SPR- 20 | 0844 | NON-FORMAL EDUCATION | 100 | 66 |
| SPR- 20 | 0847 | ADULT EDUCATION IN COMPARATIVE PERSPECTIVE | 100 | 69 |

Credit Hours 60
Result Declared on APRIL 01, 2021
Date of Issue MAY 19, 2021

Total Marks/Obtained 2000 / 1387
Percentage/Grade 69 / B

Controller of Examinations

Disclaimer:

This result card/transcript is issued provisionally, errors and omissions excepted, as a notice only. Any entry appearing in this card does not itself confer any right or privilege on a candidate for the grant of certificate/degree/diploma, which will be issued under the rules/regulations on the basis of the original record of the university student.