



CONSOLIDATED TRAINING REPORT

SPECIALIZED TRAINING PROGRAM ON AI TOOLS FOR STAFF OF PESHAWAR HIGH COURT



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EXECUTIVE SUMMARY

The Khyber Pakhtunkhwa Judicial Academy (KPJA) successfully conducted a specialized series of one-day training program titled “AI Tools for Court Staff” for diverse personnel of the Peshawar High Court and KPJA. These trainings were conducted in three identical batches on June 21, July 19 and 26, 2025. This innovative initiative empowered 45 court staff members representing a comprehensive cross-section of the High Court's and the KPJA administrative and technical workforce. The program directly addressed the growing importance of AI in legal support functions across multiple operational domains. The participants included Court Secretaries, Private Secretaries, Senior and Junior Scale Stenographers, alongside technical staff such as Web Developers, Budget and Account Officers, News Editors, and Assistant Librarians. This reflects KPJA's strategic approach to institution-wide digital capacity building. Under the expert guidance of Dr. Omar Usman Khan, Professor of Computer Science and Director at FAST-NUCES Peshawar. Participants gained hands-on experience with cutting-edge AI tools including ChatGPT, Gemini, Claude, DeepSeek, LLAMA, Qwen 2.5, and Grok. The curriculum balanced technical proficiency with ethical considerations, placing special emphasis on responsible AI deployment, data privacy, and security protocols within judicial environments. The training methodology combined theoretical foundations with practical application through interactive demonstrations and hands-on exercises tailored to diverse staff roles from transcription enhancement for stenographers to document research support for court secretaries and technical applications for digital staff. Each batch followed a structured schedule beginning with an inaugural session featuring addresses from KPJA leadership and culminating in a certificate distribution ceremony. This multi-batch implementation strategy ensured comprehensive coverage of all nominated staff while maintaining court operational continuity, positioning KPJA at the forefront of judicial digital transformation in Pakistan.

INTRODUCTION

The rapid evolution of Artificial Intelligence (AI) is transforming the legal landscape globally. With advancements in natural language processing, transcription software, document analysis, and legal research tools, there is a growing need for judicial staff, particularly, Court Secretaries, Private Secretaries, and Senior Scale Stenographers to adapt and upgrade their skills accordingly. Equipping them with AI tools will not only enhance their capabilities, productivity and accuracy but also contribute to faster and more efficient delivery of justice.

OBJECTIVE

The primary objective of this initiative is to empower Court Secretaries, Private Secretaries, and Senior Scale Stenographers with the knowledge and practical skills necessary to integrate AI tools into their daily work. This includes transcribing court proceedings, drafting and formatting judgments, managing legal documents, and conducting AI-assisted legal research. The Concept Note and Schedule were in consultation with the AI expert/ Resource Person, Dr. Omar Usman Khan, PhD Computer Science.

TARGET AUDIENCE

- Court Secretaries
- Private Secretaries, and
- Senior Scale Stenographers

DURATION:

01-Day-05 Batches (On Saturdays)

VENUE

Khyber Pakhtunkhwa Judicial Academy, Peshawar

EXPECTED OUTCOMES

- Enhanced capacity to utilize AI tools for transcription and documentation.

- Improved judgment drafting efficiency and quality.
- Increased confidence in leveraging AI for legal research and document management.
- Practical understanding of ethical and data privacy considerations in using AI.

METHODOLOGY

- Interactive lectures
- Hands-on practice sessions
- Group discussions and Q&A
- Demonstrations and real-world case studies
- Ethical use of AI in judicial settings

TRAINERS & RESOURCE PERSONS

- AI and legal tech expert

TOOLS COVERED IN TRAINING

- Grok: For intelligent conversations and information summarization.
- DeepSeek: A search-enhanced language model to generate accurate responses.
- ChatGPT: A Versatile chat bot for summarizing documents, generating reports, and exploring case laws, precedents, or statutes.
- Gemini: A multimodal AI supporting voice, image, & text for court needs.
- LLAMA: Open-source LLM for secure in-house AI use within judiciary infrastructure.
- Claude: Known for reading and analyzing long legal documents efficiently.
- QWEN 2.5: Ideal for legal drafting, multi-language support, and automation of repetitive tasks.

LOGISTICS & REQUIREMENTS:

- Computer lab with internet access
- Projector and audio system
- Access to selected AI tools (trial accounts)

- Training materials and guides

Equipping court staff with AI competencies is more than a technological enhancement, it is an institutional imperative. As justice systems continue to evolve, so too must the skills of those who uphold them. Providing this training ensures that court personnel stay efficient, well-informed, and fully prepared to navigate the complexities of modern judicial processes.

DAILY PROCEEDINGS

BATCHES I, II & III: SATURDAYS, JUNE 21 - JULY 19 & JULY 26, 2025

Inaugural Session:

- Chair: Director General KPJA, Dean Faculty
- Welcome Address: Emphasis on KPJA's commitment to digital transformation and enhancing professional capabilities of court staff through cutting-edge technological skills
- Group Photo & Registration: Participants registered and received training materials and access credentials for practical sessions

Academic Sessions:

1. **Artificial Intelligence & Ethics: Concept and Understanding** by Dr. Omar Usman Khan, Professor Computer Science, Director (FAST-NUCES) Peshawar

Focus: Fundamental AI concepts, data privacy principles, ethical considerations in judicial environments, and responsible AI deployment frameworks for court settings

2. **Orientation on AI Tools** by Dr. Omar Usman Khan, Professor Computer Science, Director (FAST-NUCES) Peshawar

Focus: Comprehensive introduction to specialized AI tools with judicial applications:

- Grok: Intelligent conversations and information summarization capabilities
- DeepSeek: Search-enhanced language model for accurate legal responses
- ChatGPT: Document summarization, report generation, and legal research applications

- Gemini: Multimodal AI supporting voice, image, and text processing for diverse court needs
- LLAMA: Open-source large language model for secure in-house AI deployment within judiciary infrastructure
- Claude: Advanced analysis of lengthy legal documents and case files
- Qwen 2.5: Legal drafting assistance, multi-language support, and automation of repetitive administrative tasks

3. Practical Exercises

Focus: Hands-on application of AI tools in realistic judicial contexts:

- Transcription of court proceedings with accuracy enhancement techniques
- Drafting and formatting assistance for judgments and legal documents
- Document summarization and information extraction from case files
- Legal research methodologies using AI-assisted search capabilities
- Automation of routine administrative tasks to improve efficiency
- Security protocols and ethical guidelines for responsible AI utilization

Concluding Activities

- Certificate Distribution Ceremony: Formal presentation of completion certificates to all participants.
- Closing Remarks: Summary of key learnings and encouragement for practical implementation.

Note: This one-day training program was conducted identically across three batches to accommodate all nominated staff of the Peshawar High Court while ensuring minimal disruption to regular court operations. Each batch followed the same structured schedule with identical content delivery, practical exercises, and certification procedures.

AI TRAINING ASSESSMENT RESULTS ANALYSIS

Overall Training Effectiveness

Metric	Value
Total Participants Assessed	45
Average Pre-Assessment Score	4.93/12 (41.1%)
Average Post-Assessment Score	8.26/12 (68.8%)
Average Improvement	+3.33 points (+27.7%)
Participants with Improved Scores	36 (80%)
Participants with Perfect Post-Scores (12/12)	9 (20%)
Highest Individual Improvement	+10 points

Key Findings:

- Overall Improvement: Average score increased from 40.3% to 68.8% (28.5 percentage point improvement)
- Batch I (June 21): Most dramatic improvement - from 29.4% to 75.6% (46.2 percentage points)
- Batch II (July 19): Moderate improvement - from 66.7% to 70.0% (3.3 percentage points)
- Batch III (July 26): Substantial improvement - from 43.8% to 60.9% (17.1 percentage points)
- Highest Achievers: Multiple participants achieved perfect scores (12/12) in post-assessments

The assessment results demonstrate the significant effectiveness of the AI training program. The dramatic improvement in Batch I (46.2 percentage points) indicates that the training was particularly valuable for participants with limited prior AI knowledge. While Batch II showed modest improvement (likely because participants already had good baseline knowledge), Batch III demonstrated substantial gains

(17.1 percentage points). The overall 27.7% improvement across all batches validates the training methodology and content delivery.

Resource Person Evaluation: The high resource person average evaluation score (85.81%) throughout the three trainings further confirms the quality of instruction provided by Dr. Omar Usman Khan. This data strongly supports the continuation and expansion of similar AI training programs for judicial staff.

FEEDBACK

The participants from all three batches expressed appreciation for the training in their feedback. However, they unanimously emphasized the need to extend the duration of such sessions on AI applications. They also highlighted the importance of mentorship and requested more hands-on practical exercises.

CONCLUSION

The Specialized Training Program on AI Tools for Staff of Peshawar High Court & KPJA successfully equipped 45 judicial support personnel with practical skills to harness artificial intelligence for enhanced efficiency and accuracy in court operations. By emphasizing both technical proficiency and ethical considerations, KPJA established a responsible framework for AI integration within sensitive judicial environments.

ANNEX-A: SCHEDULE

21st June, 19th & 26th July, 025		
Inaugural Session (08:00-08:30)		
08:05-08:10	Recitation from the Holy Qur'an	
08:10-08:15	Welcome Address of Director General	
08:15-08:25	Address by the Chief Guest	
08:25-08:30	Group Photo	
Academic Session		
Duration	Topic/Event	Resource Person
08:30-08:45	Registration	Faculty KPJA
08:45-10:00	Artificial Intelligence & Ethics: Concept and Understanding	Dr. Omar Usman Khan, Professor Computer Science, Director (FAST-NUCES) Peshawar
Tea Break (10:00-10:30)		
10:30-11:45	Orientation on AI Tools: Grok, Deep seek, ChatGPT, Gemini, Llama, Claude, Qwen 2.5	Dr. Omar Usman Khan, Professor Computer Science, Director (FAST-NUCES), Peshawar
11:45-01:45	Practical Exercises	Dr. Omar Usman Khan, Professor Computer Science, Director (FAST-NUCES) Peshawar
Certificate Distribution (01:45-02:00)		
Lunch & Departure (02:00 Onwards)		

ANNEX-B: LIST OF PARTICIPANTS

DATED: 21st JUNE, 2025		
S.NO	NAME	DESIGNATION
1.	Mr. Nawab Shah	Court Secretary
2.	Mr. Himayat Jan	Court Secretary
3.	Mr. Shahid Ali	Court Secretary
4.	Mr. Muhammad Zafar Khan	Court Secretary
5.	Mr. Ihsanullah	Private Secretary
6.	Mr. Asif Jan	Senior Scale Stenographer
7.	Mr. Mehmood Shah	Senior Scale Stenographer
8.	Mr. Rehmat Ali	Junior Scale Stenographer
9.	Mr. Usama	Junior Scale Stenographer
10.	Mr. Muhammad Aamir Shahzad	Junior Scale Stenographer
11.	Mr. Naqash Haider	Junior Scale Stenographer
12.	Mr. Rabnawaz Zaman	Junior Clerk
13.	Mr. Ahmad Nawaz Khan	Junior Clerk
14.	Mr. Muhammad Adnan Khan	Junior Clerk (Accounts)
15.	Mr. Muhammad Shoaib	Book Lifter

DATED:19th JULY,2025		
S.NO	NAME	DESIGNATION
1.	Mr. Sadiq Shah	Court Secretary
2.	Mr. Noor Shah	Court Secretary
3.	Mr. Sana Ullah	Senior Scale Stenographer
4.	Mr. Khalid Usman	Senior Scale Stenographer
5.	Mr. Hafeez Ullah Burki	Senior Scale Stenographer
6.	Mr. Haider Ali	Senior Scale Stenographer
7.	Mr. Shahid Nawaz	Senior Scale Stenographer
8.	Mr. Sher Hassan	Senior Scale Stenographer
9.	Mr. Abdur Rehman	Junior Scale Stenographer
10.	Mr. Atif Zafar	Junior Scale Stenographer
11.	Mr. Imran Khan	Junior Scale Stenographer
12.	Mr. Amjad Ali Khan	News Editor
13.	Mr. Zulfiqar Khan	Web Developer
14.	Mr. Masood Khan	Budget & Account Officer
15.	Ms. Darakhshah	Assistant Librarian

DATED:26th JULY,2025		
S.NO	NAME	DESIGNATION
1.	Mr. Fayyaz Muhammad	Senior Court Secretary
2.	Mr. Altaf Hussain	Senior Court Secretary
3.	Mr. Amir Khan	Private Secretary
4.	Mr.Abdul Qayum	Private Secretary
5.	Mr. Zarshad	Private Secretary
6.	Mr. Asad Ali	Private Secretary
7.	Mr. Amjad Ali	Private Secretary
8.	Mr. Muhammad Ullah	Senior Scale Stenographer
9.	Mr. Nazir Ahmad	Senior Scale Stenographer
10.	Mr. Nadir Rahim	Senior Scale Stenographer
11.	Mr. Arshad Khan	Senior Scale Stenographer
12.	Mr. Hamayun Baber	DDB&A,KPJA
13.	Mr. Shah Faisal Raza	Producer, KPJA
14.	Dr. Taimur Azam Khan	Assistant Academics ,KPJA
15.	Mr. Arman Khan	Network Administrator ,KPJA

ANNEX-C: TRAINING IN PICTURES









19 JULY 2025







26 JULY 2025





