THE SPECTRUM INSTITUTE (TSI)

Swat's Premier AI Engineering, IT & Safety Academy
Campuses: Barikot & Mingora, Swat | Website: www.spectruminstitute.uk

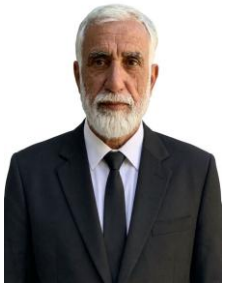
1. Institute Overview & Mission

The Spectrum Institute (TSI) is Swat's leading institution for cutting-edge Artificial Intelligence, Advanced IT, and internationally recognized Safety Engineering. We empower students across Swat—from Barikot and Mingora to all surrounding valleys with hands-on practical skills, building real-world projects rather than just reading slides. All programs feature QR-verified certificates that can be verified instantly online.

2. Leadership & Expert Faculty



• **Engr. Abid Rasheed —** *(CEO & Senior Technical Lead)*
Founder and CEO of The Spectrum Institute, leading technical programs, safety engineering credentials, and institutional expansion across Swat. Specializes in Safety Engineering, Physics and Industrial Engineering.



• **Bakht Zada** — *(Director of The Spectrum Institute, Lead Professional English Expert in Swat with 30 year experience)*
Serves as the Director of The Spectrum Institute, driving institutional excellence, strategic administration, and academic distinction across all campuses.
Recognized as Swat's lead professional English expert, bringing over 30 years of extensive teaching, mentoring, and leadership experience. And dedicated to cultivating elite communication skills, linguistic proficiency, and professional confidence among students to help them succeed globally.



• **Shah Mujeeb Ur Rahman —** *(Lead IT & AI Specialist (Top AI Expert in Swat))*
Specializing in Deep Learning, Machine Learning, Computer Vision, RAG architectures, and custom LLM Fine-Tuning (Markhor AI). Active AI vulnerability researcher ($500 bug bounty recognition).



• **Zaid Rasheed —** *(Senior ICT & Software Lead (10+ Years Exp))*
Veteran instructor with over 10 years of professional teaching and development experience in ICT, programming languages (Python, C++), web development, and graphic design.



• **Dr Ubaid Rasheed —** *Biology Tutor (M.phil Microbiology and P.hD in progress)*
Serves as the expert Biology Tutor with an M.Phil in Microbiology and a Ph.D. in progress. And dedicated to delivering deep conceptual clarity and inspiring scientific inquiry among students.

3. Comprehensive Course Catalog, Duration & Fee Structure

Please find below the complete course list offered across our Barikot and Mingora campuses, complete with empty fields for duration and fee entry:

IT and AI Engineering

Course / Track Name	Department / Focus	Duration	Fee (PKR)
AI Engineering & Data Science	Artificial Intelligence & Python	3 – 6 Months	25000
Python & Machine Learning	Coding & AI Foundations	3 – 6 Months	25000
Cyber Security	Advanced IT & Security	3 – 6 Months	25000
Web & Software Development	Full Stack Development	3 – 6 Months	25000
CCNA Networking	Network Engineering	3 – 6 Months	20000
Database Engineering	Data Management	3 – 6 Months	25000
DIT / CIT (Diploma in IT)	Core IT Education	1 Year	50000
Graphic Design	Creative & Productivity	3 Months	25000
C++	IT Education	3 Months	25000
Basic Computer Skills	Core IT Education	3 Months	12000
MS Office	IT Education	3 Months	12000
Advance Excel	IT Education	3 Months	20000
Search Engine Optimization	IT Education	3 Months	20000
AutoCAD (2D & 3D)	Architecture	3 Months	25000
Revit (Advance)	Architecture	3 Months	25000
Google Sketch Up	Architecture	3 Months	25000

Coaching and Tuition:

- **Engr. Abid Rasheed —** *Physics Tutor (Bs Industrial and safety Engineering, Othm Level 6, Nebosh)*
- **Dr Ubaid Rasheed —** *Biology Tutor (M.phil Microbiology and P.hD in progress)*
- **Mohsin Khan —** *Maths Tutor (M.Phil Mathematics)*
- **Ghulam Ullah —** *Physics Tutor (M.Phil Chemistry)*

Matric			
Physics 9th/10th	Academic Coaching	3 months	8000/ Book
Maths 9th/10th	Academic Coaching	3 months	8000/ Book
Biology 9th/10th	Academic Coaching	3 months	8000/ Book
Chemistry 9th/10th	Academic Coaching	3 months	8000/ Book
For Monthly basis Tuitions: pkr. 4000/ Month from 8th to 10th while pkr. 3000 for lower classes			
FSc			
Physics 11th/12th	Academic Coaching	3 months	12,000/ Book
Maths 11th/12th	Academic Coaching	3 months	12,000/ Book
Biology 11th/12th	Academic Coaching	3 months	10,000/ Book
Chemistry 11th/12th	Academic Coaching	3 months	10,000/ Book
Computer Science	Academic Coaching	3 months	12,000/ Book

Languages:

Languages: English,	Language Center	No Specific Duration	2500/month
Languages: Japanese, Korean, Chinese	Language Center	3 – 6 Months	45000

Safety Courses:

NEBOSH International General Certificate	Safety Engineering	6 Months	Depend on Learning Partner
IOSH Managing Safely	Safety Engineering	45+ Days	35000
OSHA 30-Hour General Industry	Safety Engineering	15 Days	20000
ISO 9001 QMS	Lead Auditor	3 Months	1,30,000
ISO 14001 QMS	Lead Auditor	3 Months	1,30,000
ISO 45001 QMS	Lead Auditor	3 Months	1,30,000
Fire Safety UK/US	Safety Course	15 Days	15000
First AID UK/US	Safety Course	15 Days	15000
Rigger I	Safety Course	15 Days	25000
Rigger II	Safety Course	15 Days	20000
Rigger III	Safety Course	15 Days	18000
Safety Supervisor	Safety Course	45 – 90 days	35000
OTHM Level 3	Safety Course	6 Months	180,000
OTHM Level 6	Safety Course	6 Months	260000
OTHM Level 7	Safety Course	6 Months	330000
NVQ Level 3	Safety Course	6 Months	220000
NVQ Level 6	Safety Course	6 Months	330000
NVQ Level 7	Safety Course	6 Months	380000
Work Permit Receiver	Safety Course	15 days	20000
Confined Space	Safety Course	15 days	20000
Work at Height	Safety Course	15 days	20000

4. Institute Rules & Code of Conduct

• Punctuality: Students must arrive on time for all physical classes and computer lab sessions.

• Discipline & Mobile Phones: Mobile phones must remain switched off or on silent during lectures and lab hours.

• Fee Policies: Monthly/Course tuition fees must be cleared by the stipulated due date to ensure uninterrupted enrollment.

• Equipment Care: Students are personally responsible for the careful handling of computer systems and laboratory equipment.

• Verification: All certificates issued by TSI feature instant online verification via official QR codes.

5. Campuses

• Barikot Campus: Usman Plaza, Barikot, Swat, Khyber Pakhtunkhwa
• Mingora Campus: Mingora, Swat, Khyber Pakhtunkhwa
• Official Website: https://spectruminstitute.uk/
• Admissions Desk & Safety Department: Available Online & On-Campus

6. Admission Link:

Apply Now: https://spectruminstitute.uk/admissions

7. Contact Information

Contact us: +92346-9709296 | +923464792048 | +923309151621 |