

Project Director- Mohsin ul Mulk

Message:

The Government of Pakistan is committed to overcome the country energy crises by the year 2020-2025 and to generate more than 30,000 MW electricity through diversified means including Oil and Gas. By 2025 Government of KP has set production targets of 200,000 BPD oil, 2,000 MMCFD gas, and 3,000 TPD LPG. To achieve these targets, there is need of investment in capacity building of local human resource and generation of skilled work force where currently there is no formal institute in KP to generate skilled technicians and drillers required for Oil & Gas production sector.

To address the real time issue of non-availability of local skilled technicians required for drilling operations in the Oil and Gas producing areas of Pakistan and particularly KP, a project “Establishment of Institute of Petroleum Technology (IPT) Karak is initiated under PSDP funding of Finance Division, Govt. of Pakistan, executed by Energy & Power Department, Government of KP via KPOGCL in close collaboration with KP TEVTA.

Institute of petroleum technology is one of the youngest institute established in Khyber Pakhtunkhwa, Pakistan which is offering immense educational, technical and research opportunities in the field of core technologies related to Oil & Gas sector. The institute inventory and labs are equipped with state of the art equipment required for producing skilled work force and have effective field level coordination with the Oil and Gas sector exploration and production companies currently engaged in the Southern Districts of KP to get benefit of transforming on job technical skills to the student of IPT through demonstrations.



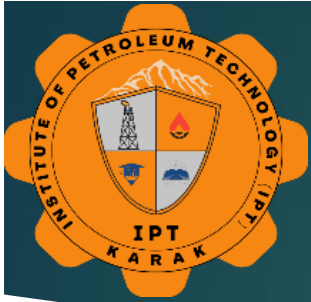
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In the academic year 2022, IPT is offering 3 Year Diploma of Associate Engineer (DAE) in Drilling and Drilling Fluids in close collaboration with the Board of Technical Education & Commerce via KP TEVTA for academics courses & curriculum and with KPOGCL and OGDCL for field level exposures of the students to the exploration and production sites of Oil and Gas in Southern Districts of KP. The Institute of Petroleum Technology (IPT) Karak shall be expanding its DAE Program to Petroleum, Mechanical and Electrical & Instrumentation Technologies and later on to include Chemical and Petro-Chemical technologies.

The Institute is staffed with competent faculty & well equipped labs to provide modern day technical skills and to bridge Academia and Industry to target the real time training issues of technicians & mid level staff of the Oil and Gas sector. The Institute of Petroleum Technology believes that its faculty and the students shall contribute in the technological needs of the country and shall develop skilled work force of technicians for the Oil and Gas Sector. We are also cognizant of the interlinking and accreditation needs of the sector with the international technical and training institutes with regard to research. For the fast growth of the institution, we have adapted to promote core values of Merit, Integrity, Team Work, Safety, Dedications and innovations.

We are confident of the institute success with support of KPOGCL, KP-TEVTA, E&P Department and Government of KP at large and blessing of the Almighty Allah.

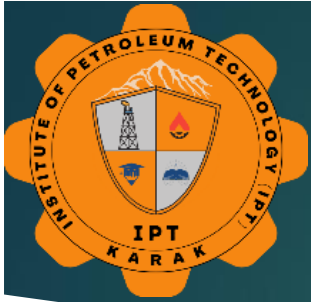
THANK YOU



PRIMARY FUNCTIONS OF THE INSTITUTE

The Institute shall be responsible for dealing with all the technical capacity building matters relating to petroleum, gas, and condensate processing and plants related affairs.

- Facilitate in capacity building for development of conventional & unconventional petroleum and related hydraulic fracturing sectors.
- Matters bearing on international aspects like technology advancements & development in the field of Petroleum Technology.
- To ensure the workforce generation like technicians, mechanics, fitters and drillers, etc.
- To ensure the jobs and employment for mid-level skilled workforce.
- To meet the industry standard and requirement for the mid-level training and workforce development.



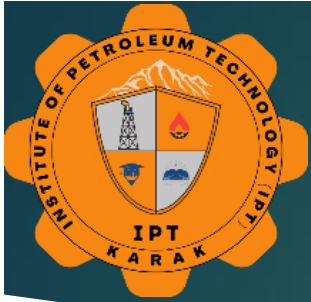
IPT STAFF

PRINCIPAL, FACULTY & ADMIN. STAFF

| Name | Position |
|--------------------------|----------------------------|
| Mr. Mohsin ul Mulk | Project Director/Principal |
| Mr. Arif Ullah | Deputy Director Fin/ Acc. |
| Mr. Adnan Ahmed | Lecturer/ H.O.D |
| Mr. Sami Ullah | Lecturer |
| Mr. Ferdous Jamal Afridi | Instructor |
| Mr. Ayaz Muhammad | Admin Officer |
| Mr. Tariq Nadeem | Procurement Officer |
| Mr. Tariq Azam | Network Administrator |

SUPPORTING STAFF

| Name | Position |
|--------------------------|------------------|
| Mr. Muhammad Haris | Office Assistant |
| Mr. Mudassar Rauf | Office Assistant |
| Mr. Muhammad Ismail Shah | Head Clerk |
| Mr. Fiaz Ahmad | Head Clerk |
| Mr. Kamran Khalil | Junior Clerk |
| Mr. Wajid Ullah | Junior Clerk |
| Mr. Rehmat Ullah | Junior Clerk |
| Mr. Saeed Ur Rehman | Technician |



IPT, Academic Management Committees

Admission Committee

Admission Chairman

Mr. Adnan Ahmad-----Lecturer

Member

Mr. Samiullah-----Lecturer

Member

Mr. Ferdous Jamal-----Instructor

Member

Mr. Ayaz Muhammad--Admin Offic.

Discipline Committee

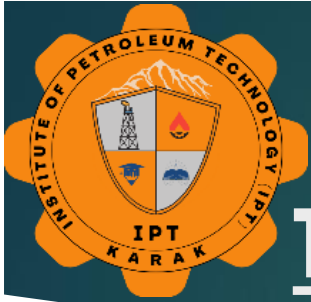
Chief Proctor

Mr. Samiullah-----Lecturer

Staff Proctor

Mr. Ferdous Jamal-----Instructor

Student Proctor

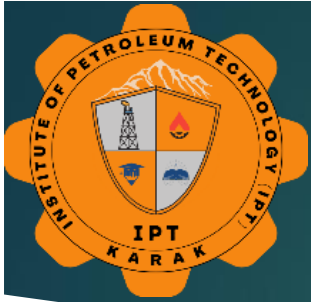


TECHNOLOGIES & DISTRIBUTION OF SEATS

Institute of Petroleum Technology (IPT) offers 3 years DAE program in Drilling and Drilling Fluids Technology. The Seats distributions is given as below.

Distribution of Seats

| S. No | Details | Drilling & Drilling Fluids | Total |
|-------|------------------|-------------------------------|-----------|
| 1 | KPK | 20 | 20 |
| 2 | Punjab | 05 | 05 |
| 3 | Sindh | 05 | 05 |
| 4 | Baluchistan | 05 | 05 |
| 5 | AJK | 01 | 01 |
| 6 | Gilgit Baltistan | 01 | 01 |
| 7 | Ex FATA | 01 | 01 |
| 8 | Disable | 01 | 01 |
| 9 | Minorities | 01 | 01 |
| 10 | Sports | 01 additional seat for sports | 01 |
| | Total | | 41 |



ADMISSION POLICY

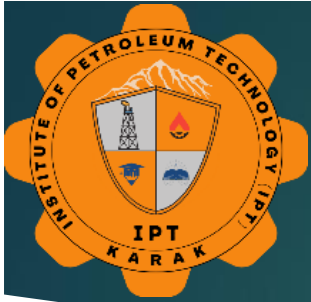
Admission in DAE program is on Open Merit basis, based on the following terms and conditions;

Eligibility

- Candidates from all over the Pakistan are eligible to apply on open merit as per regional seats allocations. Admission will be purely based on marks obtained in SSC (Science Group). Ten marks per year will be deducted from the candidate who has passed SSC exam before annual 2022.

Age

- The lower and upper age limits for the applicant are 16 and 20 years respectively. When the two candidates have the same percentage in the merit list, preference will be given to the applicant senior in age. Applications against regional allocated seats must reach the institute before closing date, otherwise reserve quota seats will be converted to open merit.



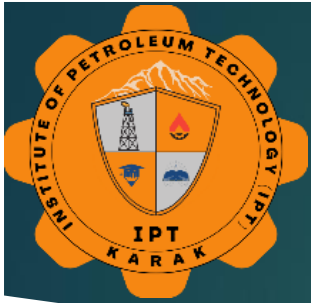
ADMISSION PROCEDURE AND FEE STRUCTURE

The last date for admission is announced by Management of the Institute through an advertisement in which a complete schedule is given. All applicants are advised to read all the instructions in prospectus as well as admission form and fill the admission form carefully. The attested copies of the following documents must be attached with admission form.

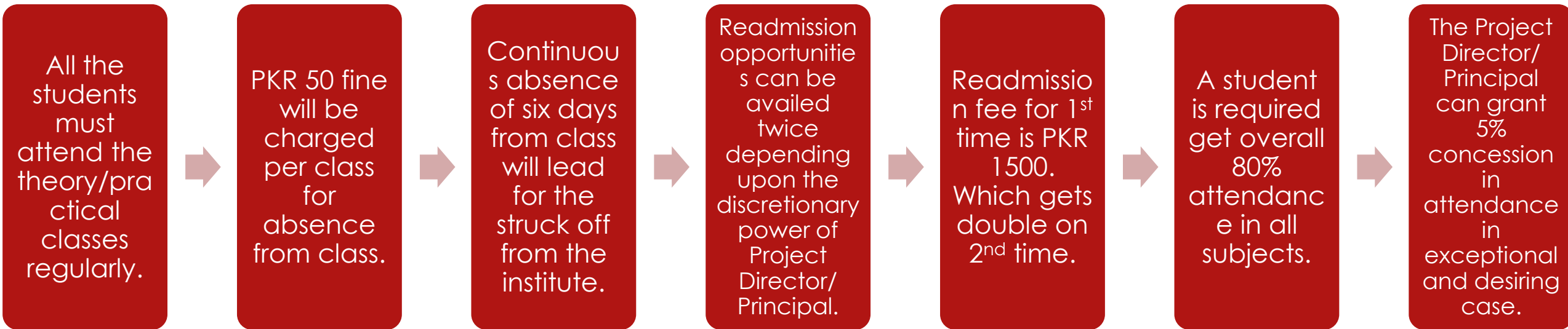
- i. SSC Certificate (02 Photo Copies)
- ii. DMC SSC (03 Photo Copies)
- iii. Domicile Certificate (01 Photo Copy)
- iv. Character Certificate (01 Photo Copy)
- v. CNIC/ B-Form (01 Photo Copy)
- vi. Father/Guardian CNIC (01 Photo Copy)
- vii. Candidate Photo graph (05 Photos)
- viii. Migration Certificate from the BISE to KP-BTE Peshawar.

FEE STRUCTURE

| S.No | | PKR/ Annum |
|--------------|------------------------|-------------|
| 1 | Board Registration Fee | 610 |
| 2 | Board Diploma | 330 |
| 3 | Board Sports Fee | 360 |
| 4 | Admission Fee | 200 |
| 5 | Tuition Fee | 1000 |
| 6 | Security (Refundable) | 1000 |
| TOTAL | | 3500 |



STUDENT ATTENDANCE

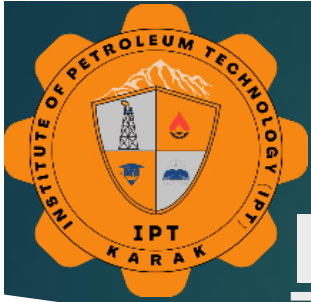


INSTITUTE UNIFORM

All students are required to wear proper uniform which is,

SUMMER; White Shalwar, Qameez or Pent Shirt with black shoes

WINTER; White Shalwar, Qameez or Pent Shirt with black Coat & shoes



INSTITUTE RULES FOR ENROLLED STUDENTS

All those students who makes offence repeatedly will be struck off from the institute.



All the students must wear proper Institute uniform.



All the student's must have Institute identity card.

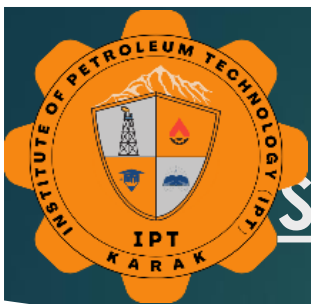


Use of mobile phones is strictly banned in the institute premises.



The student's violating the institute rules will be fines ranging from PKR 100 to 500 depending on the nature of offence.

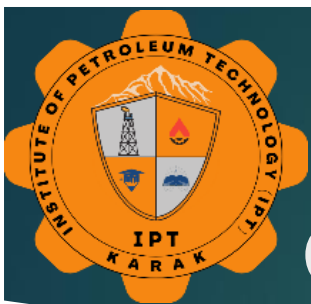




SCHEME OF STUDIES 3-YEARS (DAE) DRILLING AND DRILLING FLUIDS TECHNOLOGY

FIRST YEAR

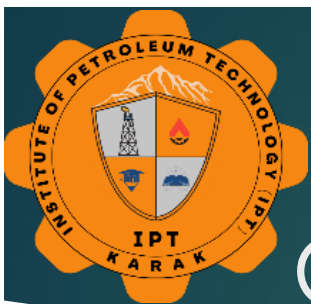
| S.No. | Subject Codes | Subject Name | Theory | Practical |
|-------|---------------|-------------------------------------|--------|-----------|
| 1 | Gen-111 | Islamiat & Pak Study | 1 | 0 |
| 2 | Eng.- 112 | English | 2 | 0 |
| 3 | Math-113 | Applied Mathematics-1 | 3 | 0 |
| 4 | Phy-123 | Applied Physics | 2 | 3 |
| 5 | Chem-133 | Applied Chemistry | 2 | 3 |
| 6 | Comp-142 | Computer Application | 1 | 3 |
| 7 | PCT-103 | Basic Engineering Drawing & AutoCAD | 1 | 6 |
| 8 | DFT-103 | Fundamental of Drilling Technology | 2 | 3 |
| 9 | PET-123 | Workshop Practice | 1 | 6 |
| 10 | DFT-113 | Occupational HSE | 3 | 0 |



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SECOND YEAR

| S.No. | Subject Codes | Subject Name | Theory | Practical |
|-------|---------------|----------------------------------|--------|-----------|
| 1 | Gen-211 | Islamiat & Pak Studies | 1 | 0 |
| 2 | Math-223 | Applied Mathematics | 3 | 0 |
| 3 | Mgm-201 | Technical Report Writing | 1 | 0 |
| 4 | PCT-203 | Fluid Mechanics & Thermodynamics | 2 | 3 |
| 5 | DFT-203 | Applied Geology | 2 | 3 |
| 6 | DFT-213 | Casing & Cementing | 2 | 3 |
| 7 | DFT-223 | Drilling Fluids-1 | 2 | 3 |
| 8 | DFT-233 | Rotary Drilling | 2 | 3 |
| 9 | DFT-243 | Drill String Technology | 2 | 3 |
| 10 | DFT-251 | Work Shop in Drilling Technology | 0 | 3 |



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THIRD YEAR

| S.No. | Subject Codes | Subject Name | Theory | Practical |
|-------|---------------|--|--------|-----------|
| 1 | Gen-311 | Islamiat & Pak Studies | 1 | 0 |
| 2 | IMH-311 | Industrial Management & Human Relation | 2 | 0 |
| 3 | DFT-303 | Introduction to Petroleum Technology | 2 | 3 |
| 4 | DFT-313 | Drilling Fluids-2 | 2 | 3 |
| 5 | DFT-323 | Directional Drilling & Application | 2 | 3 |
| 6 | DFT-333 | Drilling Simulation | 1 | 6 |
| 7 | DFT-343 | Well Completion | 2 | 3 |
| 8 | DFT-351 | Drilling Economics | 1 | 0 |
| 9 | DFT-362 | Mechanics of Material | 1 | 3 |
| 10 | DFT-373 | Petroleum Geology & Stratigraphy | 2 | 3 |