

PROSPECTUS 2022-23



Master your future



APPROVED BY
AICTE, New Delhi



AFFILIATED TO
Jharkhand University of
Technology, Ranchi

PAKUR POLYTECHNIC

PAKUR (JHARKHAND)

Established by DHTE, Govt. of Jharkhand • Run & Managed by Cybobhubaneshwar Educational Foundation



All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



APPROVAL PROCESS 2022-23

Extension of Approval (EoA)

F.No. Eastern/1-10967945681/2022/EOA

Date: 03 July 2022

To,

The Principal Secretary (Science & Tech. Deptt.)
Govt. of Jharkhand Nepal House, Dhurwa, Ranchi-834002

Sub: Extension of Approval for the Academic Year 2022ic Year 2022-23

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2022 Notified on 4th February, 2022 and amended on 24th February, 2022 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval t

PERMANENT ID	1-287548759	APPLICATION ID	1-1096745681
Name of the Institution/ University	PAKUR POLYTECHNIC (ESTD. BY GOVT. OF JHARKHAND AND RUN BY BHUBANSWAR POLY, & CYBOTECH CAMPUS UNDER PPP)	Name of the Society/Trust	CYBOBHUBANSWAR EDUCATIONAL FOUNDATION
Institution University Address	P.O.: PAKUR BEHIND COMBINED BUILDING PAKUR, PAKUR, PAKUR JHARKHAND 816107	Society/Trust Address	CYBOTECH TOWER, BORING PATLIPUTRA ROAD, NEAR PANI TANKI MORE, PATNA PATNA-800013, BIHAR
Institution/University Type	Private Self-financing	Region	Eastern
Year of Establishment	2016		

To conduct following Programs/Courses with the intake indicated below the Academic Year 2022-23

Program	Level	Course	Affiliating Body (University Body)	Intake Approved for 2021-22	Intake Approved for 2022-23	NRI Approval Status	FN / Gulf Quota/OCI/ Approval Status
ENGINEERING AND TECHNOLOGY	DIPLOMA	CIVIL ENGINEERING	JHARKHAND UNIVERSITY OF TECHNOLOGY, RANCHI	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	DIPLOMA	ELECTRICAL ENGINEERING	JHARKHAND UNIVERSITY OF TECHNOLOGY, RANCHI	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	DIPLOMA	MECHANICAL ENGINEERING	JHARKHAND UNIVERSITY OF TECHNOLOGY, RANCHI	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	DIPLOMA	METALLURGI-CAL ENGINEERING	JHARKHAND UNIVERSITY OF TECHNOLOGY, RANCHI	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	DIPLOMA	MINING ENGINEERING	JHARKHAND UNIVERSITY OF TECHNOLOGY, RANCHI	60	60	NA	NA

It is mandatory to comply with all the essential requirements as given in APH 2022-23 (Appendix 6)

Prof. Rajive Kumar
Member Secretary, AICTE

Note: (i) Validity of the Course details may be verified at <http://www.aicte-india.org/>

(ii) Original AICTE letter dated 03th July 2022 can be inspected at the office of Pakur Polytechnic, Pakur.

ABOUT OURSELVES

PROSPECTUS
2022-23

Dear Student,

Congratulations on taking this step accelerating your career with a Professional Diploma. After choosing a program of study, choosing the right institution is what matters the most. We assure you that choosing PAKUR POLYTECHNIC, PAKUR (erstwhile Govt. Polytechnic, Pakur) will be an enriching and rewarding experience for you.

Pakur is situated north-east corner of Jharkhand state. The district is known for vibrant people and black stone. Pakur is most revenue earning district of Jharkhand.

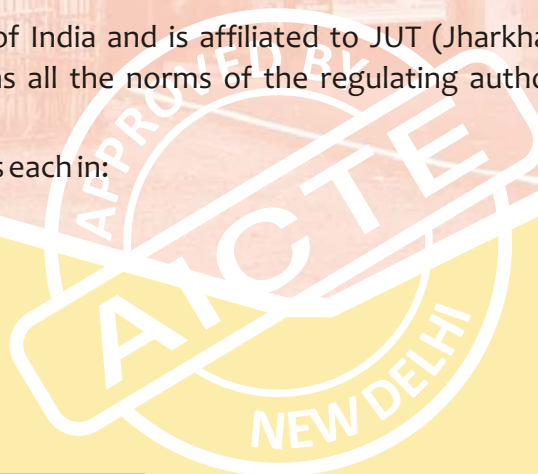
PAKUR POLYTECHNIC, PAKUR is owned by Department of Higher and Technical Education, Govt. of Jharkhand and for upgradation, operation, maintenance and management under PPP Mode, the it has been awarded to M/s Cybobhubaneswar Educational Foundation. PAKUR POLYTECHNIC, PAKUR has a newly built modern infrastructure spread over 7.1 acre and more than 2.0 lakh sqft of builtup area. PAKUR POLYTECHNIC, PAKUR is a place of learning which began as an idea and aspire to be acknowledged as an institution for quality learning.

In pursuance of basic philosophy of providing quality education, which is currently in relevance to the needs of the industry and employing organizations, PAKUR POLYTECHNIC, PAKUR is actively offering DIPLOMA programs, with an state-of-the-art infrastructure.

The college is recognised by AICTE, Govt. of India and is affiliated to JUT (Jharkhand University of Technology), Ranchi. Moreover, it conforms all the norms of the regulating authorities to achieve academic and professional excellence.

The PAKUR POLYTECHNIC, PAKUR offers 60 seats each in:

- Civil Diploma Engineering
- Metallurgical Diploma Engineering
- Electrical Diploma Engineering
- Mining Diploma Engineering
- Mechanical Diploma Engineering



Mrs. Neera Yadav, Minister of Education, Govt. of Jharkhand handing over the LOI (on 29th February, 2016) for management of Pakur Polytechnic, Pakur to Director, Cybobhubaneswar Educational Foundation

MOMENTS TO CHERISH



Mr. Abhijit Kumar, Director, receiving the Award for 'Best Polytechnic College in Jharkhand' from Mrs. Sazia Ilmi, Prof. R. Hariharan (Advisor-Approval, AICTE), Dr. Ramesh U (Director, AICTE) and Lt.Col. Kailash Bansal (Director, Skill Development Cell, AICTE)



Mr. Abhijit Kumar, Director, receiving the Award of Excellence given by CEGR, New Delhi from Prof. A.P. Mittal, Member-Secretary AICTE

To Dear Students

ABHIJIT KUMAR

DIRECTOR



It gives me immense pleasure in welcoming new students to Pakur Polytechnic, Pakur. Six years ago when we started our journey, we aimed for excellence in all aspects of academic and career building exercise. We have to ensure that our students are ready for today's highly competitive job markets. This was a huge challenge. Only

our student community can judge how far we have been successful in our endeavour.

The mark of any Institution lies in the quality of values it delivers. These values must always be solid, professional and positive. That is what our students are looking for and that is what we aim and try to provide.

What makes any institution stand out from many among the crowd? Top-class faculty and contemporary teaching methods are some of the fundamentals that attract quality students like you and ensure that when you complete your education, you earn the most rewarding jobs. This, quite simply, is what we strive to offer at Pakur Polytechnic, Pakur. And, that is what sets us apart from the crowd.

Welcome to a world of new experience.

AMIYA RANJAN BADAJENA

DIRECTOR



Pakur Polytechnic, Pakur was established by DHTE, Govt. of Jharkhand. It is being run and managed by Cybobhubaneswar Educational Foundation. It is the aim of the Jharkhand Govt. to provide facilities for higher learning and research in faculties of sciences, humanity and commerce. Pakur Polytechnic,

Pakur is a part of this endeavour.

At Pakur Polytechnic, Pakur we aim to provide a robust system of quality learning with latest teaching aids. The pursuit of excellence in a highly competitive environment is a benchmark here. A rich library, modern laboratories and experienced faculty are our strength. We aim to create an environment of participating learning, where students are encouraged to ask questions.

I invite every student to experience the unique environment here, which is a blend of tradition and modernity and is evolving continuously. The excellent placement assistance is our strength. It's our aim to create a successful career path for all our passing out students.

Good luck and welcome.





From Principal's Desk

Dr. SAROJ KUMAR PADHI

PRINCIPAL



I am delighted to welcome you all at Pakur Polytechnic. Since its inception, Pakur Polytechnic has emerged as a wonderful place of learning with tireless commitment from our staff and students.

Our students have constantly achieved excellent academic result, and adjusted admirably with challenging environment during worldwide Covid pandemic. The state-of-the-art infrastructure, modern laboratories and highly qualified faculty all have contributed towards success of Pakur Polytechnic.

The college regularly organizes webinars, guest talks, seminars and workshops to acquaint students with the latest industrial and technological trends. Aim is to provide academic and personal counselling to each student on a systematic and regular basis.

Pakur polytechnic endowed with progressive outlook aims continual growth in the quality in academic activities with a sense of commitment to meet the expectations of the students, parents and society at large. Our placement record of past years is a testimony of quality of education imparted here.

I am confident that the students passing out from this college will be technically sound and confident to serve the society.

My heartfelt blessings and best wishes to every student. Stay safe and excel in your life.



COURSES

CIVIL ENGINEERING

Civil engineering deals with the design, construction and maintenance of physical infrastructure, such as roads, bridges, residences, buildings, canals, airports, dams, sewerage systems, pipelines, railways etc.

ELECTRICAL ENGINEERING

Electrical Engineering deals with the engineering problems, opportunities and needs of electrical, electronics, telecommunication systems and related industries. Electrical Engineers need a wide range of fundamental knowledge in core disciplines such as electrical control systems, signal processing, radio frequency design, power generation and electrical machines. Electrical Engineers deal with power generation and transmission systems.

MECHANICAL ENGINEERING

Mechanical engineers deal with design, manufacturing and maintenance of mechanical systems. Mechanical engineers design, produce, operate and maintain various kinds of machines and tools. They manage engineering products and manage manufacturing plants, industrial equipment and machinery, heating and cooling systems, transport systems, aircraft, watercraft, robotics, medical devices and more.

MINING ENGINEERING

Mining Engineering involves the science, technology and application of extracting and processing minerals from natural environments. Mining Engineers locate natural reserves of minerals, petroleum, and other useful resources and lay out the plans, device shafts, inclines or quarries for the safe extraction of coal, petroleum, metallic or non metallic minerals etc. from under the earth.

METALLURGICAL ENGINEERING

Metallurgical engineering deals with the different types of metals, their production, processing, developing, extracting, test and quality-control of end products. Metallurgical engineers also observe the process of extracting metals from ores and mines. They apply their skills to create different types of strong metal alloys to be used for different purposes like building bikes, cars, ships, planes, utensils etc.

SCHEME OF TEACHING AND EXAMINATION : SESSION 2022-23

1st Semester of 3 Years Diploma in Engineering (All Branches except Non Technical)

Duration of Semester : 14 Weeks • Student Contact Hours : 36 Hrs • Total Marks : 800

Sl. No.	Name of Subject	Subject Code	Exam. Type	Teaching Scheme			Examination Scheme					
				L	T	P	Hours of Exam.	Full Marks of Subject	Final Exam./ Committee Marks	Internal Assessment No.	Pass Marks Final / Ext. Exam.	Pass Marks in Subjects
1.	Communication Skill - I	101	Theory	3			3	100	80	20	26	40
2.	Engineering Math - I	102	Theory	3	1		3	100	80	20	26	40
3.	Engineering Physics - I	103	Theory	3			3	100	80	20	26	40
4.	Engineering Chemistry - I	104	Theory	3			3	100	80	20	26	40
5.	Engineering Graphics - I Th	105	Theory	2			4	50	40	10	13	20
6.	Fundamental of Computer	106	Theory	2			3	50	40	10	13	20
7.	Engineering Physics Lab - I	107	Practical			2	4	50	40	10	13	20
8.	Engineering Chem. Lab - I	108	Practical			2	4	50	40	10	13	20
9.	Engineering Graphics - I SS	109	Sessional			4		50	30	20		25
10.	Communication Skill I	110	Sessional			2		50	30	20		25
11.	Fundamental of Comp. - I	111	Sessional			2		50	30	20		25
12.	Workshop - I	112	Sessional			4		50	30	20		25

Total Hours of Teaching per week : 16 1 16

L (Lecture), P (Practical), T (Tutorial)

Note: (1) Period of Class hours should be of 1 hour duration as per AICTE norms. (2) Remaining Hrs every week has been marked for students Library and Student Centered Activities. (3) Drawing / Graphics / Practical / Sessional examinations will be held at parent institution. (4) Board will depute examiner for Practical examination. (5) Regarding sessional examination the parent institution will form a three member committee and this committee will examine the sessional records and hold viva of the examinee for 60 % marks allotted to the subject. Marks for remaining 40% will be provided by the Faculty concerned on the basis of evaluation of each job / work throughout the semester.

2nd Semester of 3 Years Diploma in Engineering (All Branches except Non Technical)

Duration of Semester : 14 Weeks • Student Contact Hours : 36 Hrs • Total Marks : 800

Sl. No.	Name of Subject	Subject Code	Exam. Type	Teaching Scheme			Examination Scheme					
				L	T	P	Hours of Exam.	Full Marks of Subject	Final Exam./ Committee Marks	Internal Assessment No.	Pass Marks Final / Ext. Exam.	Pass Marks in Subjects
1.	Communication Skill - II	201	Theory	3			3	100	80	20	26	40
2.	Engineering Math. - II	202	Theory	3	1		3	100	80	20	26	40
3.	Engineering Physics - II	203	Theory	3			3	100	80	20	26	40
4.	Engineering Chemistry - II	204	Theory	3			3	100	80	20	26	40
5.	Programming in C	205	Theory	3			3	100	80	20	26	40
6.	Engineering Physics - II	206	Practical			2	3	50	40	10	13	20
7.	Engineering Chemistry - II	207	Practical			2	3	50	40	10	13	20
8.	Programming in C	208	Sessional			4	3	50	30	20		25
9.	Workshop Practices	209	Sessional			4	3	100	60	40		50
10.	Professional Practice I	210	Sessional			4	4	50	30	20		25

Total Hours of Teaching per week : 15 1 16

L (Lecture), P (Practical), T (Tutorial)

Note: (1) Period of Class hours should be of 1 hour duration as per AICTE norms. (2) Remaining Hrs every week has been marked for students Library and Student Centered Activities. (3) Drawing / Graphics / Practical / Sessional examinations will be held at parent institution. (4) Board will depute examiner for Practical examination. (5) Regarding sessional examination the parent institution will form a three member committee and this committee will examine the sessional records and hold viva of the examinee for 60 % marks allotted to the subject. Marks for remaining 40% will be provided by the Faculty concerned on the basis of evaluation of each job / work throughout the semester.

SCHEME OF TEACHING AND EXAMINATION : SESSION 2022-23

1st Year of 3 Years Diploma in Mining Engineering

Duration of Semester : 30 Weeks • Student Contact Hours : 35 Hrs/Week • Total Marks : 1600

Sl. No.	Name of Subject	Subject Code	Exam. Type	Teaching Scheme			Examination Scheme					
				L	T	P	Hours of Exam.	Full Marks of Subject	Final Exam./ Committee Marks	Internal Assessment Numbers	Pass Marks Final / Ext. Exam.	Pass Marks in Subjects
1.	Communication Skills	M101	Theory	2			3	100	80	20	26	40
2.	Engineering Mathematics	M102	Theory	2			3	100	80	20	26	40
3.	Engineering Physics	M103	Theory	2			3	100	80	20	26	40
4.	Engineering Chemistry	M104	Theory	2			3	100	80	20	26	40
5.	Engineering Graphics	M105	Theory	1			4	100	80	20	26	40
6.	Mine Surveying-I	M106	Theory	2			3	100	80	20	26	40
7.	Computer Fundamental & Programming	M107	Theory	2			3	50	40	10	13	20
8.	Elements of Mining Geology	M108	Theory	2			3	100	80	20	26	40
9.	Elements of Mining Technology	M109	Theory	2			3	100	80	20	26	40
10.	Eng. Physics - Practical	M110	Practical			2	4	100	80	20	26	40
11.	Eng. Chemistry - Practical	M111	Practical			2	4	100	80	20	26	40
12.	Mine Surveying-I	M112	Practical			2	4	50	40	10	13	20
13.	Elements of Mining Geology practice	M113	Practical			2	4	50	40	10	13	20
14.	Engineering Graphics	M114	Sessional			2		100	60	40		50
15.	Comp. Fundamentals (Practical)	M115	Sessional			2		50	30	20		25
16.	Elements of Mining Technology	M116	Sessional			2		100	60	40		50
17.	Workshop Practice	M117	Sessional			2		100	60	40		50
18.	Professional Practices I	M118	Sessional			2		100	60	40		50

Total Hours of Teaching per week :

17 18 35

L (Lecture), P (Practical), T (Tutorial)

- Note:**
1. Period of Class hours should be of 1 hrs duration as per AICTE norms.
 2. Five (5) Hrs every week has been marked for students for Library and Student Centered Activities.
 3. Drawing / Graphics / Practical / Sessional examinations will be held at parent institution.
 4. Board will depute examiner for Practical examination.
 5. Regarding sessional examination the parent institution will form a three member committee and this committee will examine the sessional records and hold viva of the examinee for 60 % marks allotted to the subject. Marks for remaining 40 % will be provided by the Faculty concerned on the basis of evaluation of each job / work throughout the semester.
 6. Practical Training of 12 weeks shall be started after completion of 1st Year annual examination (Mandatory training for the partial fulfillment of Diploma).



Sports Fest



Engineer's Day



WHY PAKUR POLYTECHNIC?

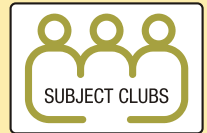
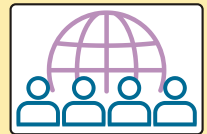
- At Pakur Polytechnic, we believe in a holistic educational experience that includes not only classroom teaching and quality time for practicals, but interaction with the relevant industries too. Quality education is a dynamic process and to achieve this the college keeps regular touch with various educational and professional bodies.
- College organises regular industrial visits for its students and visits to technical institutions to impart practical knowledge. The venues are selected carefully.
- Chance of qualification improvement as polytechnic facilitates the admission to B.Tech. 2nd year or 3rd semester, in most of the states. Less competitive path to the quality engineering courses.
- The courses provides a guaranteed income and opportunities for self employment. Students are trained with industry-specific requirements and with required machinery-equipments. For this we keep a constant touch with changing industrial needs and processes.
- The project works of the courses or the colleges take up provide practical work experience which can also be useful during the employment. Students are encouraged to develop a lateral thinking process, so they can find out-of-box-solutions to meet unexpected situations. College also encourages students to try their hands in innovative projects. Annual exhibitions are part of the curricula to exploit and expose students' creative aptitude.
- To meet the manpower requirements at shop floor, industries make a beeline to polytechnics rather than engineering colleges. Even in engineering colleges those admitted through lateral entry after polytechnic education stand a better chance to land good jobs.



An Engineering Drawing Class

ROUND THE YEAR EVENTS & ACTIVITIES

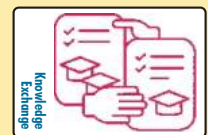
- A thriving institution is known by not only its quality education, but also by the activities and events that are part of the campus life. These activities play an important role in moulding balanced personality of its students.
- We celebrate all national events. Sports and other extra curricular activities are organized regularly. We have partnered with SPIC MACAY (The Society for the Promotion of Indian Classical Music And Culture Amongst Youth) to organise programs of Indian classical music and dances to keep students aware about our age-old cultural richness and priceless heritage.
- The college has helped students to establish different 'Subject Clubs'. All students get a chance to celebrate their academic skills through these Subject Clubs. Subject clubs represent the variety of subjects taught. Each club of its own organizing leisure time activities and maintaining good relations with students of different semesters. Despite the subject specific alignment, everyone is welcome to attend the events regardless of study background.
- Educational trips, visits to manufacturing plants and to institutes of higher learning are integral parts of the overall learning process. In past our students have visited SAIL, HEC, CCL, SMIT, TPSDI etc.
- We encourage students to ask questions that challenge conventional teaching. Teachers and guides at Pakur Polytechnic take keen interest in overall academic and personality development of students.
- Teams and experts of different streams are regularly invited to interact with faculty and students. These interactions and views of the experts have benefitted us immensely.





INTERNSHIP INITIATIVES

- Pakur Polytechnic is associated with Internshala (official internship partner of AICTE) where students can get opportunity of internship in reputed companies across the globe with stipend. Internshala is an internship and online training platform with 40000+ paid internships in Engineering, MBA, media, law, arts, and other streams.
- Pakur Polytechnic has signed an MOU with Tata Power Skill Development Institute (TPSDI), Dhanbad. TPSDI helps in developing competencies for blue and white collared workforce in the Power and allied sectors. TPSDI training courses prepare engineering students for the industry by augmenting their academic knowledge with employable skills.
- Pakur Polytechnic remains in regular connection with different manufacturing concerns for short-term training programs and workshops.
- Inhouse workshops with invited industry experts also provides unique learning experience.
- During long lockdown of Covid pandemic, college tried all possible effort to keep students engaged. We regularly organised Webinars and arranged online lessons by subject experts.
- Inviting industry experts, successful professionals and consultants for lectures and interactive workshops.
- College promotes internship initiatives for students. It promotes a sense of volunteership among its students and provide suitable opportunities, like social work, blood donation camps, sports fests, cultural activities etc.




HOSTEL ACCOMMODATION (GIRLS & BOYS)



Safe, separate hostel facility for boys & girls is available within the college premises. We have a well-furnished neat and clean 300 bedded boys & 200 bedded girls hostel with mess facility. Many indoor and outdoor game facilities are available in hostel. Experienced wardens take care of the inmates and ensure that no ragging of any kind happen.



AWARDS & RECOGNITION

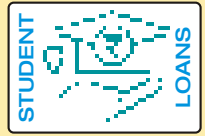
- 
 Pakur Polytechnic is known for its quality education and management in Jharkhand. The college has been awarded by the BEST POLYTECHNIC IN JHARKHAND FOR INDUSTRY INTERFACE, 2018 by Center for Educational Growth & Research (CEGR), New Delhi. Centre for Education Growth and Research (CEGR), a leading education think tank, credited with four innovations, with over 10,000 aligned academicians, corporate and researchers as its members.
- The college received recognition for participation in Internshala activities.
- In 2020 too Pakur Polytechnic was adjudged as the BEST POLYTECHNIC IN JHARKHAND by CEGR, New Delhi. The award was presented to our Director Mr. Abhijit Kumar at the 13TH RASHTRIYA SHIKSHA GAURAV PURASKARS in New Delhi.
- Pakur Polytechnic received the coveted recognition from the Integrated Chambers of Commerce and Industry (ICCI), Delhi as the BEST POLYTECHNIC IN JHARKHAND, 2019. ICCI is a Strong network of Entrepreneurs, Corporate, Policy Makers, Media, Academician and Researcher from different regions.
- Pakur Polytechnic was recognized by the Times Group as one of the 'Best Polytechnic in Jharkhand' in January 2021.
- District administration lauded the initiatives of Pakur Polytechnic during the period of Covid-19 pandemic and also appreciated our efforts of planting large number of saplings to re-energize the environment.
- Pakur Polytechnic was honoured with Indian Achievers' Award, 2021-22.

STUDENT SCHOLARSHIP & EDUCATIONAL LOANS

Pakur Polytechnic, Pakur is registered at the E-Kalyan web portal of Welfare Department, Govt. of Jharkhand. The Department provides post-matric Scholarship to all SC, ST & OBC students. The portal for scholarships opens in August for fresh applications as well as renewal of previous year's applications. Disbursement of scholarship-money (between Rs. 15,000/- to Rs. 20,000/- per year) starts from the month of March.



Students are also assisted in getting educational loans from **Vidya Lakshmi scheme** of Deptt. of Financial Services (Ministry of Finance), Deptt. of Higher Education (Ministry of Education) and Indian Banks Association (IBA). Students can view, apply and track the education loan applications to banks anytime, anywhere online.



For general category students, AICTE and other private agencies provides scholarships. AICTE provides PRAGATI & SAKSHAM scholarships. Under Pragati scheme Scholarship/Contingency of Rs. 50,000/- is awarded to meritorious girl students of AICTE approved Technical institutions. Under Saksham scheme scholarships of Rs 50,000/- is awarded to differently-abled students of AICTE approved Technical institutions at Degree/ Diploma courses. In 2021-22 session 5 of our students were awarded the AICTE scholarship.

The post-matric scholarships are under 'E-Kalyan' are awarded with an objective of providing scholarship benefits to the students belonging to Scheduled Castes, Scheduled Tribes, Minorities and Backward Classes. The college also helps students to procure need-based education loans from certain nationalised banks

Scholarship for minority students too are available under NSP scheme.



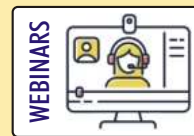
SEMINARS AND WEBINARS

Seminars and webinars are organised regularly to keep pace with the rapidly changing needs of industry and job-market. In this endeavour Sikkim Manipal Institute of Technology (SMIT), Sikkim is a major partner.

A Webinar on FUTURE PROSPECTUS AND OPPORTUNITY IN ENGINEERING was held with their association. The team of faculty members from SMIT conducted the Webinar. The topics covered included Recent Advancement of Renewable Energy, Introduction to Electric Vehicles, Earthquake Resistant Buildings, Importance of Grassroots Innovation and Artificial Intelligence and its Applications.

A Webinar on ENERGY MANAGEMENT was organised in association of Biju Patnaik National Steel Institute and addressed by Prof. Satyapriya Satapathy. Biju Patnaik National Steel Institute is constituted by the Ministry of Steel, Govt. of India at Kalinga Nagar, Jaipur, Odisha. Prof. Satapathy explained the importance and need of an efficient energy management system in industries. He also shared his experience with students.

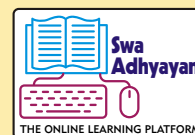
Indian Air Force also conducted an awareness campaign in college. It highlighted the professional challenges, high degree of job satisfaction and the unmatched quality of life in the armed forces. Wing Cdr. A. Pradeep Reddy, C.O., 10 Airmen Selection Centre Bihta (Patna) briefed the students about the three branches of Indian Air Force where they can apply as per their age, physical attributes, qualification, inclination and interest. The students were informed about the eligibility criteria and the various qualifying examinations that are needed for entering into Air Force. The students were given an experience of defence life with the aid of experience sharing and visual presentations.





SWA-ADHYAYAN

Online learning has become a new and effective way of self-education. It is an easily accessible medium. To keep up with the technology and demand of the situation, Pakur Polytechnic has come with an innovative idea of online tutorial programme **Swa-Adhyayan**. Under this initiative, students can access the tutorials through links provided to them via SMS. Swa-Adhyayan tutorials are prepared and upload on a dedicated YouTube channel. Students can easily access them. A large number of lectures on Physics, Chemistry, Mathematics, Communication Skill and Graphics are uploaded by the subject-experts New lectures are uploaded regularly. Swa-Adhyayan initiative has received a great response and and appreciation.



SMART CLASSROOMS

Pakur Polytechnic is adopting new processes and technologies to improve the teaching-learning experience. A smart classroom is a technological update. It helps teachers to turn boring lectures into an engaging session. Use of smart classroom technology and interactive white-boards, information can be illustrated with the help of photos, maps, graphs, flowcharts and animated videos. Process of learning becomes more attractive, interesting and easy to understand.



A smart class uses synchronized digital display boards and projectors. A teacher can easily show practical solutions from the web. While students can see various online resources on the internet.



Pakur Polytechnic has received recognition from the Ministry of Micro, Small and Medium Enterprises (**MSME**), GoI. MSMEs are complementary to large industries as ancillary units and contributes enormously to the socio-economic development. The aim of MSME is to develop the nation as a vibrant and dynamic economy.

Wi-Fi CAMPUS

Internet today plays an important part in education. A wireless campus definitely enhances the teaching-learning process is vast. With Wi-Fi access throughout the campus, information is just a click away. Also, the wireless campus supports everyday activities seamlessly in classroom contexts. Pakur Polytechnic is using this evolution of technology allowing its faculty and students to share information. A seamless connectivity is paramount in today's connected learning age.



Wi-Fi isn't just about information. It's also about communication. Campus Wi-Fi facility helps our students to communicate with each other, with teachers and other members of staff and in cases of crisis, with their family members.

OUR VALUED ASSOCIATION WITH SMIT

Pakur Polytechnic has a close relationship with Sikkim Manipal Institute of Technology (SMIT). SMIT is one of India's premier technology & management institutes. A number of scholars have been awarded at SMIT with PhD and many more scholars from within and outside the institute are registered for doctorate here. A number of sponsored projects have also been assigned to SMIT.



Pakur Polytechnic is closely associated with SMIT to update teaching methodology, improvement of academic process and updation of technologies. Experts from SMIT are invited to interact with teachers and students. Experts from SMIT have visited the campus several times, conducted classes and extended valuable inputs. During pandemic lockdown, we organised Webinars with SMIT experts for the benefit of our students. Our long and continuing association has been proved a very benefitting one for both students and faculty.





STUDY TOURS

Study tours are an integral part of wholesome education. On the tour, students are surrounded by other students, and they're guided throughout the experience by their teacher and other experts. This can open new doors for them. Study tours provide an opportunity for total immersion in the natural environment. On such excursions, the student practices his social skills and critical thinking abilities outside of the controlled class setting. Being able to ask experts about their particular area of study on the spot requires thinking. He is able to learn real-world lessons. Educational trips stimulate learning beyond what textbooks and videos can provide to the learning environment. A student learns in an informal setting when on a trip that is directed by professionally trained staff.

Last year among several such trips were undertaken and most important among them was the trip to 33/11 KV Sub-division of Jharkhand Bijli Vitran Nigam Limited, Pakur. Students learned the functioning of incoming feeder to outgoing feeder inside the Sub-station. Students learned about different equipments.

TECHNOLOGY INITIATIVES

SYAYAM NPTEL Chapter: We are now a part of nationwide NPTEL (National Program on Technology Enhanced Learning). The program was initiated by seven IITs (Bombay, Delhi, Kanpur, Kharagpur, Madras, Guwahati and Roorkee) along with the IISC, Bangalore in 2003. This is the largest online repository in the world of educational courses in engineering, basic sciences and selected humanities and social sciences. More than 57,000 hours of video content and 52,000+ hours of transcribed content; 52,000+ hours of subtitled videos are available for download and use. Our faculty and students can freely access web and video courses available under this program.



TRAINING & PLACEMENT CELL

Training & Placement Cell at Pakur Polytechnic strives hard to evaluate the work-environment in related industries and find solutions to prepare our graduating students for job-market. We try hard to narrow the gap between classroom teaching and industry needs. To achieve this, the T&P Cell invites people from industries to interact with students and arranges industrial tours to local industries, skill centers, power plants, construction sites and places of higher learning.



Seminars and workshops are held regularly to upgrade their knowledge base for students. Periodic Faculty Development Program (FDP) are also conducted. Emphasis is paid to impart a sense of entrepreneurship among students, to develop them as future job-providers. T&P is inspired by Special Industry Initiative of the Govt., pursuing to work with the corporate sector to bring a positive change in the employment and skill-set.

The Cell is headed by a well qualified and experienced T.P.O, assisted by a Placement Coordinator and Student Coordinators. We are closely associate with INTERNSHALA, the official internship partner of AICTE, in offering fruitful internship programs. Pakur Polytechnic is ranked among the top Institutions in Jharkhand under INTERNSHALA initiative.

The students are sent to reputed organisations for industrial tour and training. These organisations include: • Heavy Engineering Corporation Ltd. (HEC), Ranchi, • Steel Authority of India Ltd. (SAIL), Bokaro • Damodar Valley Corporation (DVC) • Jindal Steel & Power Limited • Bokaro Steel Limited • Aditya Birla Chemicals, Palamu • Public Work Department (PWD), • Coal India Ltd. • Eastern Coalfields Ltd. • Tata Steel Ltd., Jharia Division.

For any information or placement initiatives, contact us at trainingpakurpolytechnic@gmail.com OR

- **Mr. Amit Ranjan**, Training & Placement Officer (TPO). Mobile : +91-9111 641 870
- **Mr. S.B. Tripathy**, Training & Placement Coordinator. Mobile : +91-7908017475



SUCCESSFULLY PLACED STUDENTS

(Campus Selection of 2018-2021 batch)

Bajaj Auto Ltd.

Rajiv Ray	Metallurgical Engg.
Roshan Kumar	Metallurgical Engg.
Shanku Shil	Metallurgical Engg.
Aman Kumar Singh	Mechanical Engg.
Prashant Kr. Mishra	Mechanical Engg.
Suraj Kumar Sah	Mechanical Engg.
Singh Priya Vakil	Mechanical Engg.
Jayant Kumar Yadav	Mechanical Engg.
Nitesh Kr. Mandal	Mechanical Engg.

Zilhaj Shaikh	Mechanical Engg.
Aman Abhinav	Mechanical Engg.
Pankaj Kr. Sah	Mechanical Engg.
Shubham Kumar	Mechanical Engg.
Girjanand Thakur	Mechanical Engg.

Shivam Kr. Mishra	Electrical Engg.
Sumit Kumar	Electrical Engg.
Sourabh kumar	Electrical Engg.
Aman Kumar	Electrical Engg.
Santosh Kumar	Electrical Engg.

Mando Automotive Pvt. Ltd.

Manish Kr. Dey	Mechanical Engg.
Girjanand Thakur	Mechanical Engg.
Suman Kr. Mandal	Mechanical Engg.

Shree Cement Ltd.

Bablu Kumar	Civil Engg.
Pawan Kumar	Civil Engg.
Rajnish Kr. Anand	Civil Engg.
Rishav Kumar	Civil Engg.

Arcelor Mittal Nippon Ispat

Simi Kumari	Mechanical Engg.
Noor Shammi	Metallurgical Engg.
Riya Kumari	Electrical Env
Rounak Kumar	Civil Engg.
Ritu Kumari	Civil Engg.
Supriya Kumari	Electrical Engg.

SKH Y-TecIndia Pvt. Ltd.

Satyam Kr. Singh	Electrical Engg.
Santosh Kumar	Electrical Engg.
Aditya Kumar	Electrical Engg.
Ayush Kr. Pandey	Electrical Engg.
Shivam Mishra	Electrical Engg.
Harekrishna Pandit	Electrical Engg.
Roshan kumar	Metallurgical Engg.
Ashish Kumar	Metallurgical Engg.

Radiant Appliances

Abhishek Ray	Electrical Engg.
Amit Yadav	Electrical Engg.
Asif Ali	Electrical Engg.
Ayush Bhagat	Electrical Engg.
Harekrishna Pandit	Electrical Engg.
Md. Kaif	Electrical Engg.
Muskan Singh	Electrical Engg.
Neetu Kumari	Electrical Engg.
Riya Kumari	Electrical Engg.
Nilotpal Nayan	Electrical Engg.
Piyush Mishra	Electrical Engg.
Raj Kumar	Electrical Engg.
Sarafaraj Ansari	Electrical Engg.
Sourabh Kumar	Electrical Engg.
Sourav Kumar	Electrical Engg.
Sumit Kumar	Electrical Engg.

Subros Ltd.

Aman Kumar Gupta	Electrical Engg.
Kaushal Kr. Paswan	Electrical Engg.
Mukesh Kumar	Electrical Engg.
Aman Kumar Singh	Electrical Engg.
Ritu Kumari	Electrical Engg.
Riya kumari	Electrical Engg.
Muskan Singh	Electrical Engg.
Deepak Anand	Mechanical Engg.
Simi Kumari	Mechanical Engg.
Koushal Rana	Mechanical Engg.
Rohan Kumar Shah	Mechanical Engg.
Shubham Kumar	Mechanical Engg.
Kishor Kumar	Mechanical Engg.

Viraj Profiles Ltd.

Deepak Anand	Mechanical Engg.
Manpreet Singh	Mechanical Engg.
Suraj Kumar Sah	Mechanical Engg.
Jayant Kr. Yadav	Mechanical Engg.
Jay Dev Mal	Mechanical Engg.
Jaykishan Kr. Sah	Mechanical Engg.
Manish Raj	Mechanical Engg.
Md. Kaif Ali	Mechanical Engg.
Prashant Mishra	Mechanical Engg.
Raj Ranjan Dwivedi	Mechanical Engg.
Raj Kumar Ram	Mechanical Engg.
Ramanuj Kumar Sah	Mechanical Engg.
Sonu Kumar	Mechanical Engg.
Sourabh Gupta	Mechanical Engg.
Suman Kr. Mandal	Mechanical Engg.
Vivek Modak	Mechanical Engg.
Zilhaj Shaikh	Mechanical Engg.
Pankaj Kumar Sah	Mechanical Engg.
Shubham Kumar	Mechanical Engg.
Girjanand Thakur	Mechanical Engg.

HIM Technologies Ltd.

Jay Dev Mal	Mechanical Engg.
Jay Kishan Kr. Sah	Mechanical Engg.
Manish Raj	Mechanical Engg.
Md. Kaif Ali	Mechanical Engg.
Prashant Kr. Mishra	Mechanical Engg.
Pushp Raj Pandey	Mechanical Engg.
Raj Ranjan Dwivedi	Mechanical Engg.
Raj Kumar Ram	Mechanical Engg.
Ramanuj Kr. Sah	Mechanical Engg.
Rohan Kumar Sah	Mechanical Engg.
Sonu Kumar	Mechanical Engg.
Sourabh Gupta	Mechanical Engg.
Suman Kr. Mandal	Mechanical Engg.
Vivek Modak	Mechanical Engg.

MSKH

Jayant Kr. Yadav	Mechanical Engg.
Zilhaj	Mechanical Engg.
Avisekh Mishra	Mechanical Engg.
Kousal Rana	Mechanical Engg.
Girjanand Thakur	Mechanical Engg.
Rohan Kr. Shah	Mechanical Engg.
Subham Kumar	Mechanical Engg.

Supersmelter Ltd.

Koushal Rana	Mechanical Engg.
Shanku Shil	Metallurgical Engg.

Tata Electronics

Riya Hembram	Mechanical Engg.
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Ceat Tyers Ltd.

Neetu Kumari	Electrical Engg.
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COMPANIES VISITING CAMPUS IN PLACEMENT DRIVE

- Adani Group ■ Bajaj Auto Ltd. ■ Arcelor Mittal Nippon Ispat ■ Subros Ltd. ■ HIM Technologies Ltd.
- Mando Automotive Pvt. Ltd. ■ SKH Y-Tec India Pvt. Ltd. ■ Viraj Profiles Ltd. ■ Dhoot Transmission
- MSKH ■ Supersmelter Ltd. ■ Tata Electronics ■ Ceat Tyers Ltd. ■ East India Technologies
- NBC Bearings Ltd. ■ Numann Industries Ltd. ■ JBM Group ■ Yazaki India Pvt. Ltd.

TEACHING & ADMINISTRATIVE STAFF

Dr. Saroj Kumar Padhi, Principal

OFFICE & ADMINISTRATION

Mr. Nikhil Chandra

Administrative head / Admission In-charge

Mr. Amit Ranjan

Operations Manager / Examination Controller

Mr. Rahul Kumar Sinha, Manager Finance

Mr. Pabitra Kumar Swain, Manager Accounts

DEPARTMENT OF ENGLISH

Sudipto Pandey, Lecturer

Neli Nikunj Hansda, Lecturer

DEPARTMENT OF MATHEMATICS

Barun Kumar Pandey, Lecturer

Satish Kumar, Lecturer

Raj Kumar Bharti, Lecturer

DEPARTMENT OF PHYSICS

Nitu Kumari, Lecturer

Pankaj Kumar Mandal, Lecturer

Mosarraf Hussain, Lab Instructor

DEPARTMENT OF CHEMISTRY

Rahul Srivastava, Lecturer

Anita Kumari, Lab Instructor

DEPARTMENT OF COMPUTER SCIENCE

Hansraj Sah, Lecturer

Rohit Kumar, Lecturer

Uttam Thakur, Computer Lab Instructor

DEPARTMENT OF METALLURGY ENGINEERING

Hasnat Anzar, HoD Incharge

Sourabh Prasad, Lecturer

Sandeep Kumar, Lab Instructor

DEPARTMENT OF MECHANICAL ENGINEERING

Shankar Kumar, HoD Incharge

Sarathi Kumari, Lecturer

Mithilesh Kumar, Lecturer

Gautam Kumar Sharma, Lecturer

Junaid Alam, Lecturer

Sandeep Khalkho, Workshop Instructor

Rahul Anand, Lab Instructor

DEPARTMENT OF ELECTRICAL ENGINEERING

D.K. Sahoo, HoD Incharge

Sonu Kumar Jha, Lecturer

Anu Priya, Lecturer

Himanshu Kumar, Lecturer

Mohan Munda, Faculty Lab

Jagamohan Moharana, Lecturer

DEPARTMENT OF CIVIL ENGINEERING

Ravikant Kumar, HoD Incharge

Putul Kumari, Lecturer

Suman Sharma, Lecturer

Vimal Kumar, Lecturer

Rahul Kumar, Lecturer

Satyjit Ray, Lecturer

Nirala Manoj Kumar Das, Faculty Lab

Shiva Reddy, Faculty Lab

DEPARTMENT OF MINING ENGINEERING

Rajesh Kumar Mahto, Lecturer

Rahul Kumar Chaudhary, Lecturer

S.B. Tripathy, Lecturer

Altaf Ansari, Faculty Lab

LIBRARY & WORKSHOP

Mr. Vikrant Kumar, Librarian

Mr. Ravi Mukund, Workshop Assistant





Glances of College Activities



Van Mahotsav in College : Janab Alamgir Alam, Minister Rural Development & Rural Work presided over the function. DC-Pakur Shri Varun Ranjan, IAS and DFO-Pakur Shri Rajnish Kumar, IFS also graced the occasion



Inauguration of the Engineers' Day function

Students proudly presenting their models in Engineers' Day model exhibitin

The Covid-19 Vaccination Camp held in the campus



A view of the AIDS Awareness rally organised by Pakur Polytechnic

The students at Jharkhand Vidyut Bitran Corporations' Sub-station during a study excursion



International Yoga Day being condcted at Pakur Polytechnic

Students with a working model created by them

Felicitatoin of the IAF team during their visit to our campus

Glimpses of College Activities



Our Director Mr Abhijit Kumar with students who developed an IOT-based Home Automation Project



Paying homage to Mahatma Gandhi and Lalbahadur Shastriji on 2nd October, their jayanti



Celebration of Republic Day with under-privileged children



Paying homage to Bhagwan Birsa Munda, who martyred for the motherland



Remembering the evergreen monk, Swami Vivekanada on his jayanti



NTCP Seminar



Glimpses of the SportsFest : An Annual event



Students embarking for a study tour



The marathon, organised to mark the World Health Day



FEE STRUCTURE

DETAILS OF FEES	PAID SEAT	FREE SEATS		Fees for TFW	Management Quota
	Fees for GEN/SC/ST/OBC/BCI/BCII	Fees for GEN/OBC/BCI/BCII	Fees for SC/ST		
Tuition Fees	35,900.00	2,400.00	600.00	00.00	45,000.00
Development Fees	5,000.00	00.00	00.00	00.00	5,000.00
Registration Fees (Once at the time of admission)	2,000.00	05.00	05.00	05.00	2,000.00
Internal Examination Fees	2,000.00	00.00	00.00	00.00	2,000.00
Identity Card	100.00	25.00	25.00	25.00	100.00
Special Fee	00.00	200.00	200.00	200.00	—
Caution Money	00.00	200.00	200.00	200.00	—
Miscellaneous Charges (If applicable)	—	—	—	—	—
TOTAL FEES (Per Year)	45,000.00	2,830.00	1,030.00	430.00	54,100.00
Boarding & Mess Charge (Annual) Payable in 4 equal installments	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00

PAKUR : A PROFILE

Pakur is the administrative headquarters of this district. The district, with a population of 899,200 (census 2011), and covering an area of 686.21 km², is situated on the north-eastern corner of Jharkhand state. Pakur is known for its Black stone. and generates the highest revenue in Jharkhand.

Traditionally, Pakur has been the land of Santhals and Mal Paharia Adivasi people. However, demographic composition has gradually changed. In 2006 the Ministry of Panchayati Raj named Pakur one of the country's 250 most backward districts.

Nearest Airport from Pakur is Netaji Subhash Chandra Bose International Airport, Kolkata. Pakur junction is well connected to many cities and you can reach this place from cities such as Kolkata, Ranchi, Dibrugarh and Guwahati. Pakur is well connected to major cities of Bihar and Jharkhand—including Patna & Ranchi—by regular buses. The fastest way to reach Pakur from Ranchi takes approx 8 to 10 hour.

TOURIST ATTRACTIONS IN PAKUR

Sidho Kanho Murmu Park: This Park, situated in front of Deputy Commissioner's residence, is a beautiful & entertaining place to relax. It is an amusement tourist spot in Pakur district. One can also see the Martello tower near this park. When British ruled Pakur then the structure was built here.

Birkitti Fort: The Birkitti Fort is located at a distance of 10 km. from Maheshpur Block. The ancient fort was built by the Rajput chief, Raja Udit Narayan. During the earlier part of the 18th century, there was a battle fought between Raja Udit Narayan Singh and Nabab Murshid Kuli Khan of Murshidabad. Impact of this battle so many parts are destroyed of Birkitti Fort. As per the history, many visitors come here to see the witness place of this battle.

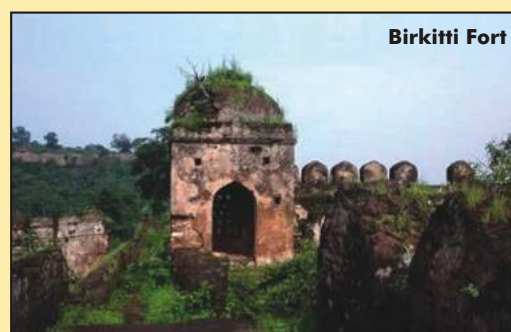
Kanchangarah: Kanchangarah is situated at a distance of 18 km. from Littipara Block. This site covered with dense forest and located on the top of a hill. As per the history, this place was known as a kingdom of Paharia king, who lived here and ruled here.

Nityakali Mandir: The Nityakali Mandir is situated at a distance of 2 kilometres from Pakur Railway Station. The old temple is present in Pakur Rajbari. This temple is dedicated to Goddess Kali. The big idol of Kali Mata is the major attraction of this temple, which was made of black stone. Every Tuesday and Saturday devotees come here to complete their worship.

Shiv Sheetla Mandir: The Shiv Sheetla Mandir is situated near Pakur Railway Station. It is considered as one of the popular tourist spots in Pakur district. This temple is dedicated to Lord Shiva and his better half Goddess Parvati (Shakti). This temple is considered as one of the important religious attraction for Hindus.

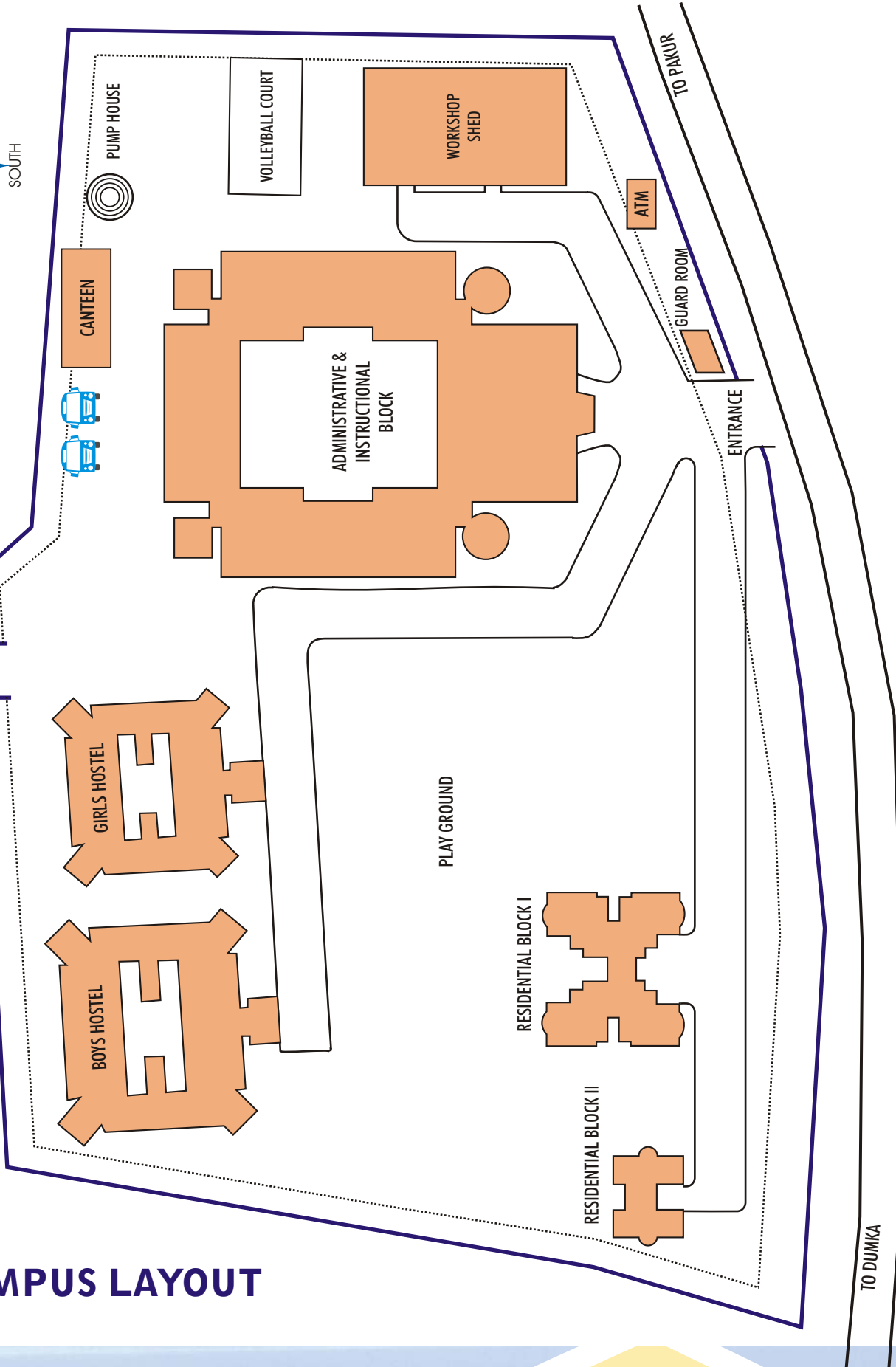
Diwan-e-Pir: Diwan-e-Pir is a famous pilgrim centre for Muslims. It is located in the north east of Pakur city centre, near Pakur Railway Station. During the time of occasion, many devotees come here to complete their prayer near Pir-Baba.

Martello tower: Historical attraction Martello tower is situated in Pakur district. This tower was built in 1856 by Sir Martin, who was the tenth S.D.O. of Pakur and who led many struggles. The Martello tower was constructed to protecting the British Empire from the attack of the Santhal Warriors.



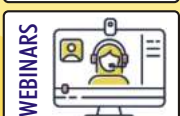


ENTRANCE FOR BUS



CAMPUS LAYOUT

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