

PROSPECTUS



SILLI POLYTECHNIC

(Estd. by Govt. of Jharkhand & run by Techno India under PPP)
Approved by AICTE , Affiliated to Jharkhand University of Technology
AN ISO 9001:2015 CERTIFIED INSTITUTE

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<https://www.facebook.com/sillipolytechnicofficial>



<https://www.youtube.com/channel/UCugoapL0o15ltfrOjXZG5ZA/featured>



<https://www.instagram.com/sillipolytechnicofficial>



<https://twitter.com/sillipoly>



www.sillipoly.edu.in



sillipolytechnic@gmail.com

Campus : Ramdera , P.O. - Lota , P.S. - Silli , Dist. - Ranchi , Jharkhand , Pin - 835 102

City Office : 403, Bansal Arcade, P.P Compound, Ranchi 834 001

SILLI POLYTECHNIC is the first PPP (Public-Private Partnership) mode Diploma College of Jharkhand which was established by Govt. of Jharkhand in 2013 in collaboration with Techno India Group, Kolkata.

Techno India Group is the most respected Educational Group of Eastern India with 3 Universities, 22 Engineering & Diploma Colleges, Business Schools, Hospital etc. comprising of more than 60,000 students and 5,00,000 alumni. The details about Techno India Group can be obtained at www.technoindiagroup.com.

SILLI POLYTECHNIC is an ISO 9001 : 2015 certified Institute which is approved by AICTE, New Delhi and is currently affiliated to Jharkhand University of Technology (JUT); Ranchi since 2018. Previously, it was affiliated to State Board of Technical Education (SBTE), Govt. of Jharkhand. It is also recognized by Govt. of Jharkhand and All India Survey on Higher Education (AISHE).

The Institute is located beside the Ranchi - Purulia State Highway which is 8 km away from Muri Town and approximately 60 km away from Ranchi (State Capital of Jharkhand).

Silli Polytechnic currently offers 3 - year Diploma Education on 5 AICTE approved courses namely, Mechanical Engineering, Civil Engineering, Electrical Engineering, Computer Science Engineering and Electronics & Communication Engineering.

Further details can be obtained from the official website of Silli Polytechnic: www.sillipoly.edu.in





SILLI POLYTECHNIC was established in the year 2013 in agreement with the Govt. of Jharkhand, with a noble view to produce high quality diploma engineers of academic brilliance to serve at any corner of the world on the eve of Globalization. With student's well-being as our primary agenda, it has been our constant effort to introduce, refurbish and develop policies that serve the need of the hour in this ever-changing scenario. The commitment of our faculty members and the keen interest evinced by our students has created a laudable academic excellence.

Academic Systems

- Extensive lectures, interactive group discussion and individual project assignments constitute the major portion of the courses offered.
- Practical and Laboratory based classes along with team project work and presentation leading to application of knowledge of students.
- Group discussions, debates and talk session to develop inter-personal skills, communication and leadership qualities.
- Effective approach to problem solving, strategic and innovative report preparation and analysis of typical case studies.
- A regular system of appraisal to monitor students performance and measure effectiveness of teaching.

Faculty

The college is proud to offer to its students the best of experienced faculty members comprising full time eminent teaching professionals and noted academicians from the various reputed colleges and universities

in the country. The faculty strength has been maintained enough to equip its students to become excellent professionals. Industry experts also share their vast industrial experience with the students through seminars, workshops, special classes, Industry Institute Partnership activities etc.

Academic Environment

Students have access to every facility in the form of modern class rooms, well equipped labs and other facilities like Wi-Fi campus, hi-tech facilities etc.

Computers and Laboratories

The college is equipped with State-of-the-art laboratories and each laboratory is well supported by modern servers, high-tech equipments and full range of Softwares. Internet access available in all laboratories. Simulation Exercise & self-paced learning process through specialized software and advanced Web-oriented methodologies are also practiced at our Institute

Library

Well established State-of-the-art library containing all the latest editions of the publications related to the curriculum, enable the students to enhance their knowledge in different topics and subjects taught in their courses. The latest periodicals, National and International journals and other publication are also being provided for constant update in the latest developments of Science and Technology. Total operation is controlled by latest software like LIBSYS. Subscription of IEEE Journals & Book Bank facilities are also available at Silli Polytechnic.

VISION

To impart effective and quality technical education along with ethical and professional standards, which will, in turn, contribute to the growth of technical education and to serve the society by developing technically skilled engineers for the industries and quality teachers for the academia.



MISSION

1. Maintain quality education and establish the Institute as an effective technical institution under all challenging conditions.
2. Contribute to the growth of technical education and uphold the ethical and professional standards.
3. Serve the society and work for its enrichment and advancement.
4. Develop technically skilled engineers for serving in the industrial and academic sector of the nation along with motivation to pursue higher studies for a prosperous career.
5. Improve the effectiveness & impact of quality teaching at every step to achieve our vision.



PROF. SAMIR SHARMA
PRINCIPAL
SILLI POLYTECHNIC

Silli Polytechnic is committed to produce technically skilled students who can utilize their skills & knowledge for the betterment & upliftment of their career as well as the society.

We believe in imparting quality education to our students which is being efficiently carried out by our dedicated team of faculty members, who put in their best efforts in order to build up a bright & promising career for our students.

Apart from the educational part, we are also committed towards providing essential facilities to our students for their recreation & preservation of their physical fitness.

We nurture our students in a very thoughtful & resourceful manner for their personality & character development, so that they are able to become good human being in future, bearing an aesthetic moral character with an apt sense of their social responsibilities.

Samir Sharma

PRINCIPAL
Silli Polytechnic

ELIGIBILITY

ADMISSION THROUGH REGULAR ENTRY IN 1ST YEAR

Passed Class 10th Std / SSC examination with at least 35 % marks in the qualifying examination

ADMISSION THROUGH LATERAL ENTRY IN 2ND YEAR

Passed Class 12 th Science with Vocational / Technical

10th + (2 years ITI) with appropriate specialisation

12th Science (with Mathematics as one of the subject)

ADMISSION PROCEDURE

1. Direct Institute Seat Students may register online for direct admission through website www.sillipoly.edu.in.
2. Through Jharkhand Combined Entrance Examination Board (JCECEB)
Visit: <http://www.jceceb.jharkhand.gov.in>.
3. Through Institute level Open Counseling : After completion of JCECEB Counseling, Open Counseling will be organized against vacant seat Institute level as per guidelines of DHTE & SD, Government of Jharkhand.

SCHOLARSHIP

1. Students (SC/ST/Backward classes) studying at Silli Polytechnic are eligible to avail scholarship from E-Kalyan Department of Govt. of Jharkhand. <https://ekalyan.cgg.gov.in>
2. Eligible students (residents of Bihar) can apply for E-Kalyan scholarship through <http://ekalyan.bih.nic.in>
3. Eligible students (residents of other states) can also apply for scholarships through their corresponding State Government scholarship portals.

FEES

1. All Fees for Free Seat Category are as per the Govt. norm *
2. All Fees for the Payment seat category are as per the notification No FFC/335 dated 21/06/2017 of Fee fixation committee; Department of Higher, Technical Education and Skill Development, Govt of Jharkhand *
3. All Fees must be submitted through Demand Draft (DD) only. Online Fee Payment option is also available. Cash Payment is strictly not allowed under any circumstances.
4. Fees once paid will be refunded only against written application and as per AICTE norm only.

Apart from the Tution Fee the other Optional fees like Hostel Fees, Mess Charge, Bus Charges etc. may be charged if applicable. University Fee / DST Fee / Any Govt Fees / Taxes are additional if applicable.

DIPLOMA PROGRAM AS PER THE APPROVED INTAKE OF AICTE

DEPARTMENT	COURSE DURATION	INTAKE
COMPUTER SCIENCE & ENGINEERING	3 Years	60
MECHANICAL ENGINEERING	3 Years	120
ELECTRONICS & COMMUNICATION ENGINEERING	3 Years	60
ELECTRICAL ENGINEERING	3 Years	60
CIVIL ENGINEERING	3 Years	120

Being a NPTEL Local Chapter (IIT Kharagpur) our college is eligible to access all online and offline video lectures from Eminent Professors of IITs and IISCs. All the Remote lectures from them are also available on live streaming also.



- Currently we are running all the Online courses from NPTEL (MOOCS) in each semester.
- Now we have 19 Registered Mentors for various courses.
- At present we are one of the NPTEL's examination Centers from Eastern Region.

Facilities

The college authority also provides other necessary facilities to the students such as purified water supply, DG Back up during power failure, fully Wi-Fi campus with high speed Internet etc.

Healthcare

Round the clock medical facilities and ambulance service available for hostel residents and day scholars. Medical help from Hospital is arranged if required for serious or prolonged treatment.

Games & Sports

Silli Polytechnic Campus is comprised of Cricket Ground, Football Ground, Volleyball Court, Badminton Court etc. Indoor games like Carrom and chess are also available for students. Sports equipments are provided by college authority whenever required. Different types of sports activities & tournaments are conducted on regular basis to keep our students physically fit and healthy.

Security

Apart from the presence of college security guards (24x 7), the institute is also equipped with CCTV surveillance system in order to ensure extra security for our students.

Cafeteria

Food at administered prices is available from In-campus cafeteria.

UNNAT BHARAT ABHIYAN



Silli Polytechnic is a Participating Institute of Unnat Bharat Abhiyan (UBA) project which is a flagship program of Ministry of Human Resource Development (MHRD); Govt. of India, primarily meant for rural development.

Under the UBA project, Silli Polytechnic has adopted 5 surrounding villages namely Ramdera, Lota, Jaro, Barkitanr & Sarjamdih for their development.

Previously, Silli Polytechnic has also successfully carried out Govt. of India projects like Pradhan Mantri Kaushal Vikas Yojana (PMKVY).



OTHER AMENITIES & ACTIVITIES





The Civil Engineering Department administers a Civil Engineering program that produce technically sound students who are ready to work, high in quality, skilled in Civil Engineering and are professional in nature. The department of Civil Engineering ensures that the Students have the opportunity to work with latest equipment both in the laboratories and while on project with various construction companies in and around the city.

The educational objectives for Civil Engineering program are designed to produce competent engineers who are ready to contribute effectively to the advancement of civil engineering causes and to accommodate the needs of the community. These objectives are as follows:

- To provide students with the necessary skills and practical experience to fulfill their professional duties and responsibilities in teamwork, ethics, technical leadership, business acumen and lifelong learning.
- To mould the students to become future engineers, scientists, researchers, and innovators and make substantial contributions to the society of civil engineers.
- To prepare the students to be successful engineers or managers meeting the global industrial requirements.

LABORATORY

Strength of Material Lab
Concrete Technology Lab
Building Construction Lab
Transportation Engineering Lab
Geotechnical Engineering Lab
Survey Lab
Hydraulics Lab
Environmental Engineering Lab
CAD Lab



The Department of Computer Science & Engineering is at the forefront of turning out software engineers with a high degree of technical expertise. It fosters the innovation and breadth of vision necessary to excel in the blooming software industry. The experienced faculty exposes budding computer engineers to a rigorous and exhaustive curriculum designed to bring out the best in them and to keep them in touch with the latest state of the art technology. Besides imparting theoretical knowledge, emphasis is given on hands-on training and overall development of the individual's personality. Equal importance is given to the classroom learning which is meant primarily for conceptual inputs. The teaching program has been devised keeping in view of the need for a close interaction with the industry.

LABORATORY

Fundamental of Computer Lab
Programming in C Lab
Object Oriented Programming Lab
Web Technology Lab
Data Structure Lab
DBMS Lab
OS Lab
Computer Networking Lab
Computer Workshop Lab
Java Programming Lab
Computer Graphics Lab
Advance Web Technology Lab
Software engineering & Tools Lab
Project Lab



The Department of Electronics & Communication Engineering is dedicated to the current needs of industry with the flexibility to tune its programs according to different requirements. Application of new technology in various fields is one of the main activities of the department. MATLAB Software, Set of protection unit of Induction motor with relays, DC Motor Cylindrical alternator set up, DC motor Salient pole alternator set up, DC motor compound generator setup, DC simulator, DC Simulator, Microcontroller Training Kits, DSP starter kits, 8051, Digital storage oscilloscope, LCR meter, Function generator, Power scope, Non contact tachometer, Magnetic field measurement meter, Portable capacitance & tan Delta set and CRO & Function Generator are available in the department.

The Department is strong with most of faculty members holding M.Tech degree and involved in scheduled study and research works in various fields. The broad areas of expertise include State Estimation and Real Time Control of Power Systems, Applications of ANN and Fuzzy Logic in Power Systems, Power System Deregulation, Power System Transients, Power Quality, EMTP applications in Power Systems, Relay Coordination, Application of Power Electronics to Power Quality Improvement and Industrial Drives, DSP controlled Drives, Simulation of Power Electronic Converters and Drives Systems and Control of Special Machines.

LABORATORY

- Electronic Devices & Circuits Lab
- Electrical Engineering Lab
- Electrical & Electronic Measurement Lab
- Electromagnetic Field Theory Lab
- Digital & Microprocessor Lab
- Communication System Lab
- Control System Lab
- Computer Networking Lab
- Electronic Workshop
- Instrumentation System Lab
- Power Electronics Lab
- VLSI System Lab
- Digital Communication System Lab
- Optical Fibre Communication Lab
- Wireless/Mobile Communication Lab
- IoT Lab



The mission of the department is to offer quality education that engages each student in a challenging electrical engineering education and prepare students for developing career opportunities in the technology marketplace, enabling them utilize their full potential as a professional and as a member of society.

The educational objectives of the Electrical Engineering department are to enable the students to:

Be successful in designing a variety of engineering systems, products or experiments.

Build up successful career in engineering or other areas such as, Industrial and Academic sector.

Develop the ability to assume leadership and entrepreneurial positions.

Successfully function and communicate effectively, both individually and in multi-disciplinary terms.

Understand the importance of lifelong learning, ethics and professional accountability.

LABORATORY

Electrical Engineering Lab
Electrical Measurement Lab
Network Lab
Machine Lab
Electrical Workshop
Electrical Machines II Lab
Power Systems Lab
PLC Lab
Maintenance & Electrical Machines Lab



The Department of Mechanical Engineering has a wide reputation for the quality of teaching it offers. The excellent laboratory facilities, modern computer clusters, systematically designed curriculum, and dedicated faculty members make this Department a dynamic place to study. The main aim is to impart quality education to the students for enhancing their knowledge and skills to become globally competitive Mechanical Engineers and to create, interpret, apply and disseminate their knowledge with an understanding of the limitations.

During its 7 years of glorious existence, this dept. has been producing most technically skilled students. This department imparts most innovative and disciplinary atmosphere to students. The dedicated team of faculty members holds the steering of the department in a very smooth & successful manner. The faculty members of this department are engaged in imparting quality teaching with the aim of developing a Creative and Innovative Technical Environment in this Institute. The students are exposed to a creative, knowledgeable and updated academic environment. Overall, the Mechanical dept. of this college strives to be recognised for imparting quality engineering education with the aim of producing technically sound students & academicians who can be innovative, entrepreneurial & successful in future.

LABORATORY

Workshop I (Carpentry, Forging, Casting & Moulding, Fitting)
Machine Shop (Various Machine shop, Welding Shop)
Metrology Lab
Strength of Material Lab
Advanced Manufacturing Lab
Project Lab
Thermal Engineering Lab
Power Engineering Lab
Fluid Mechanics Lab
Theory of Machine Lab
Engineering Mechanics Lab



PLACEMENT

Full time team of Training & Placement experts, experienced academicians and our immensely successful Centralized Placement Cell have always been active to lend their support and advice to the students at the Institute, in order to help them to enter professional world. The students are always well informed about various career options and are advised regarding the best choice suiting their aptitude, capability and ambition, Care is taken to obliterate drawbacks of individual student, educating them in management techniques and practices as well as improving their interpersonal skills.

Training and Placement department play a major role at our institute by conducting career and personality orientation programs thus providing placement opportunities to the students.

The department ensures enhanced employability by organizing pre placement students' grooming programs for each department conducted by professional training Organizations.

Vocational Training for students during Summer/Winter recess period are also regularly organized so that they gather a first-hand feel of the industrial environment during their industrial visits that are organized by the concerned departments with full cooperation from Training & Placement department. Soft Skills and Technical Skill grooming sessions are regularly conducted by our Training & Placement Department.

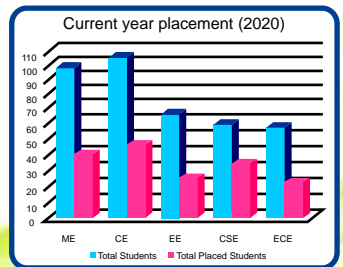
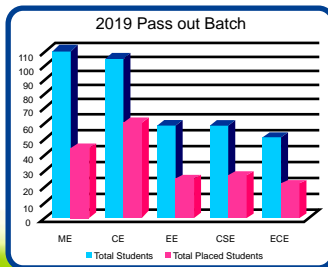
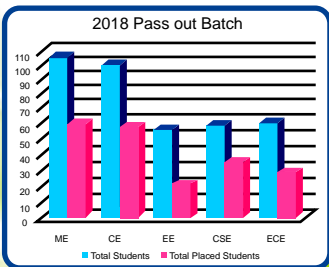
SOME OF OUR RECRUITMENT PARTNERS



OUR PLACEMENT ASSOCIATES



STATISTICS



Success goes to our beloved students



Silli Polytechnic has emerged as one of the promising & leading Diploma Institute of Jharkhand by constantly producing technically skilled students who are currently placed in numerous Public & Private sectors (through Govt. Exams & Campus Placement) & renowned Academic Institutes (for higher studies).

Numerous students have been selected and are currently working in renowned Private companies like TALBROS MARUGO, AVO ELECTRO POWER, TIMKEN INDIA, ADANI SOLAR POWER etc.

Numerous students have also been selected for higher studies in reputed institutes like BIT Sindri, IIT-ISM Dhanbad etc.

Many students have been highly benefitted from the special Training & Grooming which has been provided to the students for getting jobs in Public Sectors like Railways, Telephone Exchange, Electrical & Thermal Power Plants etc.

OUR INDUSTRIAL TRAINING PARTNERS

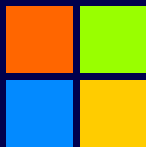
1. National Thermal Power Plant (Khalgaon/Farraka)
2. ONGC Haldia
3. Patratu Thermal Power Station
4. Damodar Valley Corporation
5. Heavy Engineering Corporations
6. SAIL
7. Power Grid



HEAVY ENGINEERING CORPORATION LTD.



Ministry of Micro, Small and Medium Enterprises,
Government of India



Microsoft

SILLI POLYTECHNIC play a glorious role in the modern academic era in the field of professional education of Engineering. Online Academic & Administrative facilities are also readily available at our Institute. This has immensely helped the students especially during this ongoing COVID-19 pandemic situation. All classes & internal exams are being currently conducted in online mode through various reputed & modern online based educational platforms. Study materials & assignments are also provided to the students through various online educational platforms like MOODLE, MOOCS, SWAYAM / NPTEL, Virtual Labs etc.

INDUSTRY ACADEMIA LINKAGE

E-Learning Portal



An MHRD Govt of India Initiative



spoken-tutorial.org

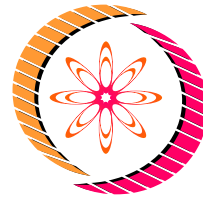
SPOKEN TUTORIAL

SOFTWARE TRAINING PROJECT



Developed by IIT BOMBAY

A PROJECT OF THE NATIONAL MISSION ON EDUCATION THROUGH ICT
POWERED BY THE MINISTRY OF HUMAN RESOURCE DEVELOPMENT
GOVERNMENT OF INDIA



NPTEL

ACADEMIC MENTORS

The Industry-academia linkages have been successfully implemented by associating students with Industry-sponsored projects under the guidance of senior faculty members of IIT Bombay, IIT Kharagpur, IIT Kanpur, with primary mentorship of NIT Durgapur.



IIT KHARAGPUR



NIT DURGAGPUR



IIT GANDHINAGAR



IIT KANPUR



IIT BOMBAY

