

APPROVED BY



AICTE, New Delhi



JUT, Ranchi

www.gumlapolytechnic.ac.in

PROSPECTUS 2020-21



EXPLORE, CHALLENGE & BE SUCCESSFUL



GUMLA POLYTECHNIC

Established by DHTE&SD, Govt. of Jharkhand • Run & Managed in PPP mode by Gumla Educational Foundation
Chandali, Lohardaga Road, Near Police Line
Gumla-835 233 (Jharkhand)

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 2020-21

Extension of Approval (EoA)

F.No. Eastern/1-7004788487/2020/EOA

Date: 30 April 2020

To,

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

Sub: Extension of Approval for the Academic Year 2020-21

Ref: Application of the Institution for Extension of Approval for the Academic Year 2020-21

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2020 notified by the Council vide notification number F.No. AB/AICTE/REG/2020 dated 4th February 2020 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent ID	1-4290314580	Application ID	1-7004788487
Name of the Institute	GUMLA POLYTECHNIC (ESTD. BY GOVT. OF JHARKHAND & RUN BY A.P.S. COLLEGE & AND CYBOTECH CAMPUS UNDER PPP)	Name of the Society/Trust	GUMLA EDUCATIONAL FOUNDATION
Institute Address	CHANDALI, NEAR POLICE LINE, LOHARDAGAR ROAD, GUMLA GUMLA, JHARKHAND, 835233	Society/Trust Address	CYBOTECH TOWER, BORING PATLIPUTRA ROAD, NEAR PANI TANKI MORE, PATNA PATNA-800013
Institute Type	PRIVATE-SELF FINANCING	Region	EASTERN

To conduct following Courses with the Intake indicated below for the Academic Year 2020-21

Program	Level	Course	Affiliating Body (University Body)	Intake Approved for 2019-20	Intake Approved for 2019-21	NRI Approved Status	PIO / FN / Gulf Quota / OCI Approval Status
ENGINEERING AND TECHNOLOGY	DIPLOMA	CIVIL ENGINEERING	JHARKHAND UNIVERSITY OF TECHNOLOGY, RANCHI	60	60	NA	NO
ENGINEERING AND TECHNOLOGY	DIPLOMA	ELECTRICAL ENGINEERING	JHARKHAND UNIVERSITY OF TECHNOLOGY, RANCHI	60	60	NA	NO
ENGINEERING AND TECHNOLOGY	DIPLOMA	MECHANICAL ENGINEERING	JHARKHAND UNIVERSITY OF TECHNOLOGY, RANCHI	60	60	NA	NO
ENGINEERING AND TECHNOLOGY	DIPLOMA	MINING ENGINEERING	JHARKHAND UNIVERSITY OF TECHNOLOGY, RANCHI	60	60	NA	NO
ENGINEERING AND TECHNOLOGY	DIPLOMA	AUTOMOBILE ENGINEERING	JHARKHAND UNIVERSITY OF TECHNOLOGY, RANCHI	60	60	NA	NO

It is mandatory to comply with all the essential requirements as given in APH 2020-21 (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 30th April 2020 can be inspected at the office of Gumla Polytechnic, Gumla.

About Ourselves

Dear Student,

Congratulations on taking this step for accelerating your career with a professional diploma engineering courses. After choosing a program of study, choosing the right institution is what matters the most. We assure you that choosing Gumla Polytechnic, Gumla (GPG) will definitely be enriching and rewarding experience for you. Gumla is blessed with natural beauty, the district is covered by Dense forest, hills and rivers. It is situated South-West corner of Jharkhand. Gumla is known for vibrant people and nature. The District was carved out of Ranchi District on 18th May 1983. The main economy of the district depends upon agriculture, forest produce, cattle development, mining activities and other commercial activities.

Gumla Polytechnic—established by Jharkhand Govt.—is spread over 10 acres and with a built-up area of 2.0 lakh sq.ft. It has state of the art new infrastructure. It has separate hostels for Boys and Girl's, modern labs, spacious library and facilities for sports and games.

Gumla Polytechnic is recognised by the AICTE, New Delhi, Govt. of India and is affiliated with Jharkhand University of Technology (JUT), Ranchi. Gumla Polytechnic also conforms to all the norms of the regulating authorities to achieve academic and professional excellence.

We believe in academic excellence and industry-driven pedagogy and hope that soon Gumla Polytechnic will develop as a preferred place of learning for engineering aspirants.

The GUMLA POLYTECHNIC offers 60 seats each in:

- Civil Diploma Engineering
- Automobile Diploma Engineering
- Mechanical Diploma Engineering
- Electrical Diploma Engineering
- Mining Diploma Engineering

Total Seats = 300; 240 - JCECEB, 60 - GPCET



Shri Raghubar Das, Hon'ble Chief Minister, Jharkhand presenting the LOI for management of Gumla Polytechnic, to Shri Abhijit Kumar, Director, Gumla Educational Foundation on 18th February, 2018.

To Dear Students

ABHIJIT KUMAR, DIRECTOR

It gives me immense pleasure in welcoming, on behalf of the entire campus community of the GUMLA POLYTECHNIC, GUMLA, Jharkhand. There are huge challenges in today's global and highly competitive markets and we have to ensure that you are ready for them.



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 you were looking for and that is why you have come to the right place.

So what makes a particular Institution stand out from among the crowd? Top-class faculty and contemporary teaching methods are some of the fundamentals that attract ambitious 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 GUMLA POLYTECHNIC. And, that is what sets us apart from the crowd.

We welcome you with an open heart and hope you are going to enjoy the learning here, which will form a base of your fruitful future. Good luck.

ANITA JHA, DIRECTOR



GUMLA POLYTECHNIC, GUMLA was established by DHTE&SD, Govt. of Jharkhand. It is being run and managed in PPP mode by Gumla Educational Foundation. Jharkhand Government aims to provide facilities for higher learning and research for locals in

faculties of sciences, humanity and commerce. GUMLA POLYTECHNIC, GUMLA is a part of this ambitious endeavour.

At GUMLA POLYTECHNIC, GUMLA we aim to provide a robust system of quality learning with modern teaching aids. The pursuit of technological excellence in a highly competitive environment is going to be our benchmark. A rich library, well equipped laboratories, experienced faculty and continuous innovation are our strength.

I invite you to experience the invigorating learning environment at GUMLA POLYTECHNIC. Here our aim is to equip students for a fruitful future. We wish our students to be prepared to meet the constantly evolving future challenges with confidence.

DR. SHIBA NARAYAN SAHU, PRINCIPAL

Our philosophy of education has always been meeting the needs of the individual student as they acquire skills and knowledge easily if we can make the surroundings stimulating and purposeful. In the 21st century, the digital revolution has affected us all. Quite simply, it is changing everything: a brilliant barrage of information, entertainment, companionship and education is speedily available. In this era of cut throat competition, it is of paramount importance to impart an integrated education to the future citizens of the nation for successfully facing challenges. GUMLA POLYTECHNIC, therefore, lays special emphasis on life skill activities, providing students an edge over others to be leaders in their respective field of activity.



Through life skills programs, GUMLA POLYTECHNIC aims to develop a cadre of empowered, educated and healthy adolescents, capable of getting employment as well as making decisions in life.

My simple message to dear students is, never give up. If you can dream it, you can do it. You have the full ability to achieve any goal.

Best wishes to all for a bright future. Stay safe.

COURSES BEING OFFERED

CIVIL ENGINEERING



Civil engineering deals with the design, construction and maintenance of the physical infrastructure, including works such as residences, institutional buildings, roads, bridges, canals, dams, airports, sewerage systems, pipelines and railways. A civil engineer is responsible for planning and designing a project, constructing it to the required scale, and its maintenance. A civil engineer requires not only a high standard of technical knowledge but also supervisory and administrative skills.

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.

AUTOMOBILE ENGINEERING



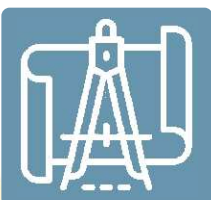
Automobile (Automotive) Engineering deals with automotive technology. This course offers specialisation in vehicle designing, repairing, testing and assembling. It deals with the designing, developing, manufacturing, testing & repairing and servicing automobiles such as cars, trucks, motorcycles, scooters etc. & the related sub Engineering systems. For the perfect blend of manufacturing and designing automobiles, Automobile Engineering uses the features of different elements of Engineering such as mechanical, electrical, electronic, software and safety engineering.

MINING ENGINEERING



Mining Engineering involves the science, technology and application of extracting and processing minerals from a natural environment. Mining Engineers are responsible for locating natural reserves of minerals, petroleum, and other useful natural resources and lay out the plans, device shafts, inclines or quarries for the safe extraction of these resources from under the earth. The natural resource can be coal, petroleum, metallic or non metallic minerals, etc.

MECHANICAL ENGINEERING



Mechanical engineering applies the principles of physics and materials science for analysis, design, manufacturing, and maintenance of mechanical systems. It deals with the production and usage of heat and mechanical power for the design, production, and operation of machines and tools. Mechanical engineers manages various engineering products and manage manufacturing plants, industrial equipment and machinery, heating and cooling systems, transport systems, aircraft, watercraft, robotics, medical devices and more.



GLIMPSES OF THE COLLEGE EVENTS



Lighting of the ceremonial lamp : Inauguration of the Induction: Director Mr Abhijit Kumar and Principal Dr. S.N. Sahu are present



Principal Dr. S.N. Sahu and others are paying homage to a true patriot : Birsa Munda Jayanti



A Workshop on Traffic Awareness in association with District Traffic officials



Sapling plantation drive by students and staff: Trees are the ultimate saviours



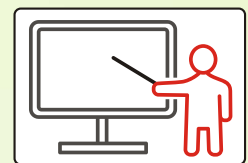
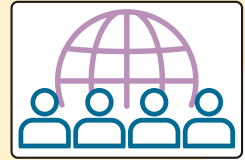
Regular Medical Checkup of Hostel inmates and other students are part of year-long activities



An interactive Seminar in association with Geologists from Geological Survey of India

WHY GUMLA POLYTECHNIC?

- Gumla Polytechnic has a state-of-the-art infrastructure spread over 10 acres with 2.0+ lac sq. ft. of built up area with spacious separate hostels for boys & girls and mess facility. Easily accessible, situated on Lohardaga Road, Chandali.
- Library is equipped with DELNET software and constantly enriched/upgraded with new books and periodicals. Reading room has a sitting capacity of 200.
- College has large outdoor and indoor sports areas and facilities required.
- We believe in a holistic educational experience that includes not only classroom teaching and quality time for practical classes, but interaction with the relevant industries too. We believe that quality education is a dynamic process and to achieve this the college keeps regular touch with various educational and professional bodies.
- After passing out of polytechnic, direct admission to B.Tech. 2nd year or 3rd semester. 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 work related to the courses or the practical work experience provided in the college can be of immense use during the employment. Students are encouraged to develop a lateral thinking process, so they can find out-of-box-solutions to meet unexpected situations as and when required. 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.
- Practical knowledge with the industrial visits and industrial or technical exhibitions conducted by the colleges in different levels. The venues are selected carefully.



Induction Ceremony : Welcoming the new batch of students

SCHEME OF TEACHING AND EXAMINATION : SESSION 2020-21

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	Subject Code	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 Chemistry 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 Computer - 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. Duration of a Class is one hour 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.



Gumla 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.

SCHEME OF TEACHING AND EXAMINATION : SESSION 2020-21

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	Subject Code	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 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.	Engineering Physics-Practical	M110	Practical			2	4	100	80	20	26	40
11.	Engineering Chemistry-Pract.	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.	Computer 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 Practice 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).



GLIMPSES OF THE COLLEGE EVENTS



Students displayed their innovating thinking and model making ability in an exhibition held to mark the Engineer's Day : A tribute to the greatest Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya : The SP, Gumla and DFO, Gumla and other dignitaries were present



A view of the reading room of the college library



A modern Computer Lab : AN essential tool



A student in well equipped workshop



A canteen to relax, to refresh

ROUND THE YEAR EVENTS AND 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.
- At Gumla Polytechnic 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 more aware about our age-old cultural richness and world heritage.
- The Gumla Polytechnic has helped students to establish different 'Subject Clubs'. All students get a chance to celebrate their academic skills, and explore further, through these Subject Clubs.
- Educational trips, visits to manufacturing plants and to institutes of higher learning are integral parts of the overall learning process here. Our students visit SAIL, HEC, CCL, SMIT, TPSDI etc.
- We encourage our students to ask questions that challenge conventional teaching. Teachers and guides at Gumla Polytechnic take keen interest in overall academic and personality development of students.
- Teams and industry experts of different streams are regularly invited to interact with faculty and students. These interactions and views of the experts have benefitted us immensely. Govt. officials are invited to interact with students. Seminars, Group Discussions and Webinars are regular part of curriculum.



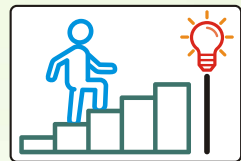
NPTEL & TCS-iON Digital Learning Hub

- Gumla Polytechnic has given its nod to the advance online certificate courses like National Programme on Technology Enhanced Learning (NPTEL) for its faculty members and TCSiON Digital Learning Hub for students. These will prove a quantum leap in everyone's life; it will help in learning new tasks and will also enhance one's overall personality.
- Learning material of these courses are free. These are helpful to acquire relevant knowledge and develop relevant skills in related streams. It is a precious platform to gain knowledge as they provide lot of courses in many disciplines.
- National Programme on Technology Enhanced Learning (NPTEL) will provide online certification courses for faculty development. The enrolment is easy and once enrolled the site provides online lectures including PPTs. Self assessments is easy through weekly assignments. The final in-person proctored examination has been provided for certifying the learning. The certificates are offered after the completion of the courses.
- In TCS=iON digital learning hub the students are given two options to choose from (careers skill and communication skills). Both options offer several courses. Enrolment is easy. After being signed up into the course audio and video lectures are assigned to the apprentice. The learner will be awarded a certificate after successful completion of the course. The aim is 'Lifelong Learning'.



INTERNSHIP INITIATIVES & CAREER DEVELOPMENT

- Gumla 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.
- Gumla Polytechnic is also in connection with different manufacturing concerns for short-term training programs and workshops.
- The management of Sikkim Manipal University has graciously hosted students from Gumla Polytechnic, at regular intervals, allowing them to enrich their knowledge.
- Inhouse workshops with invited industry experts also provides a unique learning experience.
- Inviting industry experts, successful professionals and consultants for lectures and interactive workshops.
- Gumla Polytechnic promotes internship initiatives for students. College also promotes a sense of volunteership among its students and provide suitable opportunities, like social work, organising blood donation camps and cultural activities.
- The career development initiatives imparts personality development, communication ability and aptitude skills to boost the personality and employability of the students. Impetus to student research is provided through projects.
- Different programs and cultural competitions are organized to bring out innate talents of the students. At Gumla Polytechnic, the curriculum, parental care and pedagogy from the essential factors to shape the students for their successful career.
- Emphasis on experiential learning is our strength and it provides an admirable academic ambience.
- State of the art computer labs and a Wi-Fi enabled campus.



Experts from SMIT at Gumla Polytechnic to participate in 'Emerging Trends in Engineering and Future Prospects'



Experts from SMIT interacting with students, explaining the working of an automobile engine : practical class with a difference

MAJOR ACHIEVEMENTS

Gumla Polytechnic, Gumla is known for its quality education and management in, as well as, out of Jharkhand. The college has been recognised as one of the best managed and performing polytechnic in Jharkhand. The college also received recognition for participation in Internshala activities.

STUDENT SCHOLARSHIP

Gumla Polytechnic, Gumla is registered at the E-Kalyan web portal of Welfare Department, Govt. of Jharkhand. Welfare Department provides Post Matric Scholarship to all students under SC, ST & OBC categories. Student needs to upload some documents like caste, residential & income certificates along with previous year mark sheet, college bonafide letter and bank account details. College provides full support to students for applying the scholarship.

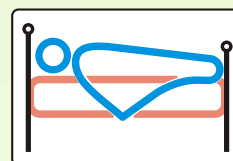


The web portal for scholarships opens every year in August for fresh applications as well as renewal of last year's applications. Disbursement of scholarship-money (between Rs. 15,000/- to Rs. 20,000/- per year) starts from the month of March. For general category students, AICTE and other private agencies provides scholarships. College helps students to select and apply for the right option.

The college also helps students to procure need-based education loans from certain nationalised banks.

HOSTEL ACCOMMODATION (GIRLS & BOYS)

Safe and 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. Both the hostels are situated in clean and hygienic surroundings.



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.

ASSOCIATION WITH SMIT

Sikkim Manipal Institute of Technology (SMIT) is one of India's premier technology and management institutes. The academic standard of SMIT is at par with the best institutes in the country. The faculty : student ratio here is 1 : 1. SMIT has emerged as a research friendly institute. A number of scholars have been awarded with PhD and many more scholars from within and outside the institute are registered for doctorate. A number of sponsored projects have also been assigned to SMIT. The faculty members are also selected to do research on about 17 sponsored projects approved and financed by DST, DBT, DRDO and AICTE.



Gumla 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.

SWA-ADHYAYAN INITIATIVE

Online learning has become a new way of educating oneself, as it is an easily accessible medium to master over any topic we wish to learn and master. The world that we live in, is developing more than we could've ever imagined. To keep up with the technology and demand of the situation, Gumla Polytechnic has come with an innovative idea of online tutorial programme 'Swa-Adhyayan'.



As the college and its campus had been taken over by the State Election Commission to felicitate the Jharkhand Assembly elections (to store the EVMs and conduct other related works), the classes had to be suspended for about a month. This was a big setback for students. Being concerned about the situation, the college administration decided to take help of the web and find an effective solution in online tutorials. This proved to be very effective and one of the best medium to stay connected with the students. This helped them to complete their syllabus and prepare them for their January semester examinations.

Under 'Swa-Adhyayan' initiative, students can access the tutorials through links provided to them via SMS. 'Swa-Adhyayan' tutorials were prepared and upload on a dedicated YouTube channel from where interested students could access them. There were about 156 lectures of Physics, Chemistry, Mathematics, Communication Skill and Graphics prepared by the subject-experts. Each lecture is of one-hour duration.

This 'Swa-Adhyayan' initiative has received a great response and was appreciated by the students and guardians.

SMART CLASSROOMS

Gumla Polytechnic is adopting new processes and technologies to improve the teaching-learning experience. Smart classrooms are such a technological update. It helps teachers to turn boring lectures into an engaging session. By using smart classroom technology and interactive whiteboards, information can be illustrated with the help of photos, maps, graphs, flowcharts and animated videos. This makes learning 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.



According to a Gallup survey, after introducing smart technology in schools & colleges, students' engagement rate has improved by 55%.

Wi-Fi CAMPUS

A wireless campus definitely enhances the teaching-learning process. With Wi-Fi access throughout the campus, information is just a click away. Also, the wireless campus supports everyday activities seamlessly in classroom contexts. Gumla 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; however, it's also about communication. By having Wi-Fi in our campus, students are able to communicate with each other, with their teachers and other members of staff and in cases of crisis, with their family members at home.

TRAINING & PLACEMENT CELL

Gumla Polytechnic has already established a Training & Placement Cell.

Training & Placement Cell strives hard to understand the work-environment in related industries and find solutions to prepare our 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 also arranges industrial and academic tours to local industries, High-end Skill Center, power plants, construction sites and places of higher learning.

Seminars and workshops are held regularly for students to upgrade their knowledge base for students. Periodic Faculty Development Program (FDP) are also conducted to hone the new skill sets for faculty members. A lot of emphasis is paid to impart a sense of entrepreneurship among students, to develop them as future job-providers.

T&P Cell is always in process to be involved in live projects / assignments from local industry/companies so that students may face and learn to cope with actual problems. T&P Cell at Pakur Polytechnic, inspired by Special Industry Initiative of the Govt., seriously pursuing to work with the corporate sector in bringing about a positive change in the employment and skill-set.

T&P Cell is headed by a well qualified and experienced faculty. He is assisted by a Placement Coordinator and Student Coordinators.

Gumla Polytechnic is closely associate with INTERNSHALA, the official internship partner of AICTE, in offering fruitful internship programs. For INTERNSHALA (AICTE Program), Pakur Polytechnic is ranked among the top Institutions in Jharkhand.

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

For any information or placement initiatives, please contact us at tp.gumlapolytechnic@gmail.com OR

Er. Surendra Prasad, Training & Placement Officer (TPO). Mobile : +91-90655-26252

Mr. Ramesh Kumar Jha, Training & Placement Coordinator. Mobile : +91-90655-26251



Students and staff participating in a campaign for voter awareness



GLIMPSES OF THE COLLEGE EVENTS



Hand Sanitizer dispensing system developed at Gumla Polytechnic : Being inspected by the DC Gumla and the Asst. Collector, Gumla respectively in their official chambers



The Innovation Lab



Mine Surveying Lab



The Physics Lab



A view of the Chemistry Lab

ER. KARTIK ORAON INNOVATION LAB

Gumla Polytechnic has established an Innovation Lab, named after legendary engineer late Kartik Oraon. Kartik Oraon was born 29 October 1924 in a Karounda Littatoli village of Gumla district. He was not only a successful engineer, but also represented Lohardaga constituency in Indian Parliament several times. He served as a Minister for Aviation and Communication, India. He died at New Delhi on 8 December 1981.



Innovation labs—also known as hubs, incubators, or accelerators—are units that employ the methods to inspire lateral thinking, with the goal of devising novel ideas that can either complement and help the knowledge acquiring. An Innovation Lab can function in many different ways. It can operate completely separately from the regular teaching methodology, or be set up internally and involving teachers and interested students. It can also refer to programs set up for internal research to ideate. It can also invite outside partners who want to be strategically connected to the innovative learning and development of a wholesome learning experience.

SOCIAL INITIATIVES & MANUFACTURING

Gumla Polytechnic has developed an easy-to-operate portable and affordable Hand Sanitizer dispensing system, essential for schools, colleges, offices, grocery stores, restaurants, factories or any indoor high-traffic area.

This Portable Dispenser is designed to hold up to the most demanding conditions in diverse needs. This can accommodate sanitizer pump bottles ranging from 200ml to 1.5 litre. The system can be used in any variety of wet or dry environments. It's simple foot-activation helps to eliminate chances of cross-contamination. This simple, yet solid, dispenser has an open channel design to allow for easy wash down. This initiative has been welcomed by Gumla DC and other govt. officials. Shri Manish Kumar, IAS, Assistant Collector, Gumla honoured Team Gumla Polytechnic with a Certificate of Appreciation for fight against COVID-19.

Gumla Polytechnic—as a goodwill measure—has donated its Sanitizer Dispensing Systems to local religious places, like temples, Masjids and Gurudwaras.



A humble gift to fight a pandemic : Hand Sanitizer dispensing system for local church. These were also gifted to other religious places



A hub to think and experiment : Er. Kartik Oraon Innovation Lab. Innovation needs to go beyond set curriculum

FEE STRUCTURE : 2020-21

PARTICULARS	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	45,000.00	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	2,000.000
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)	54,100.00	2,830.00	1,030.00	4,30.00	54,100.00
Annual Mess Charge Payable in four installments	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00

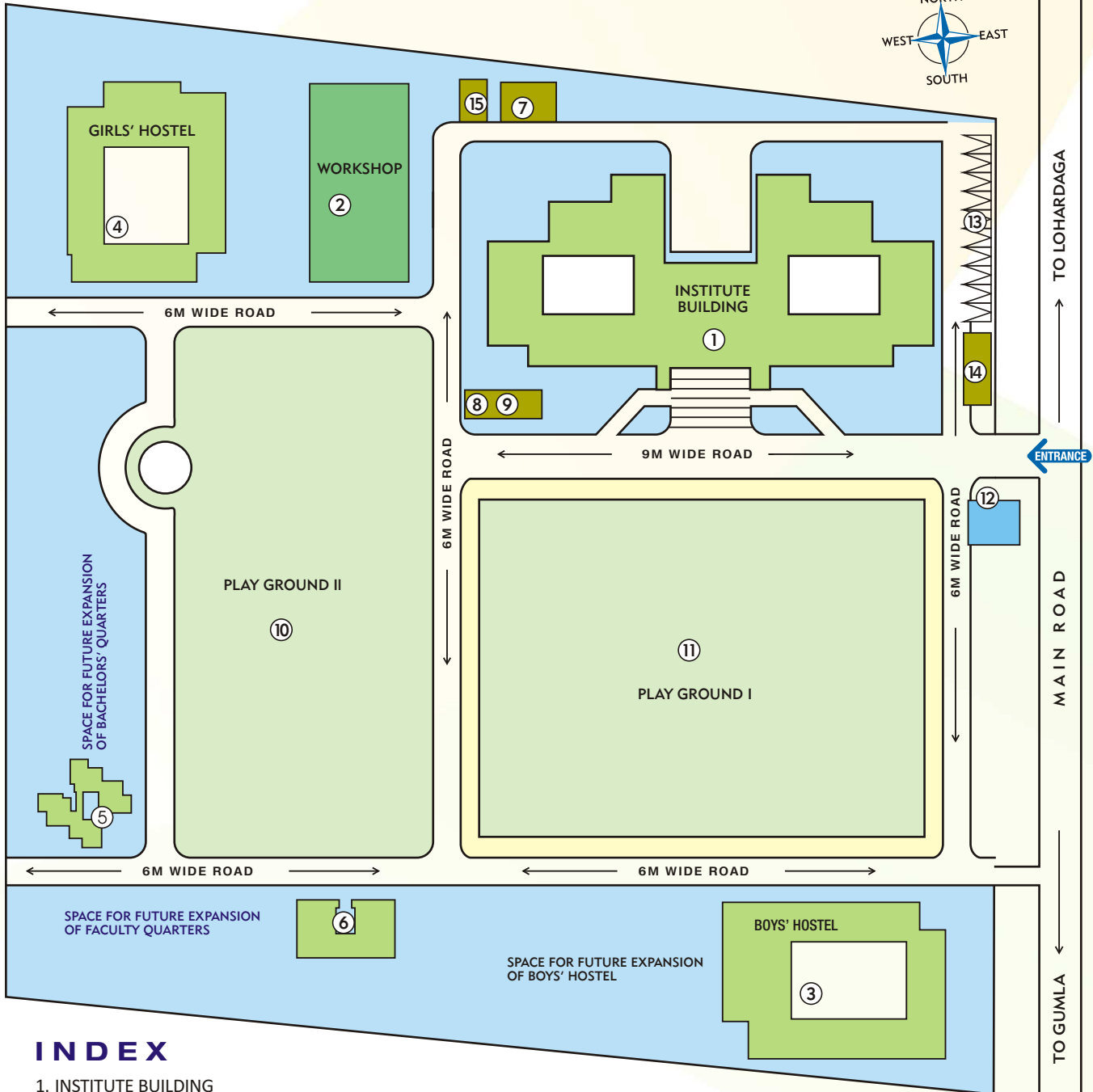


Hoisting of the Tri-colour : Republic Day celebrations. Present are Shri Abhijit Kumar, our director and Smt. Renuka Yashaswee, member of the Governing body

SITE PLAN



GUMLA POLYTECHNIC
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PROSPECTUS 2020-21

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Industry-driven Pedagogy*

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