A Vision Becoming Reality

Leading Polytechnic College Since 2014

DURGAPUR INSTITUTE OF POLYTECHNIC

Affiliated to WBSCTVESD & Approved by AICTE, West Bengal

PROSPECTUS - 2022

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City office: 21 Princep Street, 1st Floor, Kolkata – 700 072

Visit: http://dip.rahul.ac.in
https://www.facebook.com/dip.rahul.ac.in/
https://www.youtube.com/channel/UCByNBW9WazpjFkxc1zfZuEQ
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Chairman's Desk

Mr. R. N. Mazumder
Chairman

To survive as ideal citizens of the global village, the systematic production, packaging, marketing and distribution of knowledge must be accorded with top priority. This gives birth to the need of ideal centres of learning that are equipped with all that is the smartest. The latest in catering to this need in Durgapur is Durgapur Institute of Polytechnic (DIP) that started its journey in 2014.The college belongs to Rahul Foundation, a leading group in knowledge management in India and has Mr. R. N. Mazumder, an industrialist par excellence as its leader, owner and guide. In a very short period DIP has established itself as one of the best Diploma Colleges in West Bengal and efforts are on to make it one of the best in the country. It is affiliated to the WBSCTVESD and approved by All India Council for Technical Education (AICTE).

Principal's Desk

Education is a life learning process that starts from home, travels through school and then expands as Academics or Professional Education as per need, competency and capability of a person. Polytechnics are the institutes which help person to grow as junior engineer who can give technological growth to various parts of world and society. Shaping brains of persons and then converting them into young engineers as per their capability is one of the biggest challenge of the polytechnics and we are doing it with full strength at Durgapur Institute of Polytechnic, Rajbandh, Durgapur thus producing young Mechanical Engineers, Civil Engineers, Computer Engineers, and Electrical Engineers, who can work at production level, Supervisory level and even up to management level due to their unlimited practical capabilities and hardworking nature. We shape the raw student into a full-fledged diploma engineer full of enthusiasm for shaping the technical world with their competent hands. In previous few decades the technology has shown amazing changes in the world and so technical education has got an unpredictable importance that was never before. These technological professionals require creativity, technical skills and practical hands for better performance and our Institute gives them perfection in all of these fields. We believe that good facilities, teaching methodology and practical guidance can make them a good contributor to nation and the world. Our Institute provides convenient, relevant and good technical education as per demands of changing technology and I am sure that we are one of the best Institutes imparting Technical Education in Durgapur region.

Mr. Indrajit Santra
Principal

An Overview

Welcome to Durgapur Institute of Polytechnic (DIP), The Institute has come a long way since it saw the light in 2014. In a short span of time, it has emerged as a high flying technical institution commanding admiration for its excellent teaching-learning ambience. No less remarkable is the interface between its teaching methodology and industry-oriented research activities. The institutes nurtures talent and train them to don the mantle of corporate leadership. Affiliated to WBSCTVESD and approved by AICTE, DIP offers 3-year Diploma degree courses in relevant. disciplines, e.g., Computer Science & Technology(CST), Electrical Engineering (EE), Mechanical Engineering (ME) and Civil Engineering (CE). All the courses match up to the standard of cutting-edge technological courses provided by other tech, universities. Engineering aspirants across the country seek admission to DIP through JEXPO examinations. Its students' strength has already touched 800 marks. The outstanding track record of the college in respect of university results and placement for its students has set a new benchmark for tech colleges located outside metropolitan cities.

DIP's pride lays in the quality of not only its students but also in that of its faculty members. They are a bland of youth and experience with years of academic and corporate exposures. They never spare themselves in the pursuit of excellence and act as a driving force both for their junior colleagues and learners. The academic environment is conducive to intellectual growth. It fosters humanistic principles as well.

Ragging-Free Environment

In compliance with the Supreme Court directive, DIP ensures a ragging-free peaceful environment any untoward incident of even minor nature causing physical or mental injuries is severely dealt with. The college strictly abides by the following recommendation of the Raghavan Committee: "If any incident of ragging comes to the notice of the authority, the student concerned shall be given liberty to explain

Important Information for Admission 2021

Eligibility

Those who clear 10th examination and having overall secured 35% marks are eligible for admission also students with JEXPO (For Diploma first year) and VOCLET(For Diploma lateral entry) rank card are eligible for admission.

 The following documents will be required at the time of admission

1. 6 (six) copies of recent passport size

The DIP management provides financial assistance to meritorious students from economically weaker sections of society by waiving their tuition fees. To help such students continue their education Gouri Devi Memorial Scholarship Fund was set up with financial assistance in the form of monthly contributions provided by faculty and staff members

2. JEXPO/VOCLET Rank card. (Only for Council allotted candidate)
3 Admit Card of JEXPO/VOCLET. (Only for Council allotted candidate)
4. Seat Allotment Certificate from WBSCTVESD. (Only for Council allotted candidate)
5. Migration Certificate (Original) in case of candidates having passed from a board other than WBBSE
6. Age Proof Certificate (Birth Certificate/ 10 Std. Admit Card)
7. Madhyamik/ 10th level Passed Certificate and mark sheets/Grade Card
3. Higher Secondary/12 Std. Passed Certificate and Mark sheets/Grade Card (If available)
9. SC/ST/OBC/PH Certificate (if applicable) from competent authority
10. Character Certificate in original from the head of the Institution last attended.
11. Photo ID Proof (Aadhar Card/ Pan Card)

N.B. All the above documents must be submitted in original for verification at our end along with two sets of photocopies

WBSCTVESD Registration and Examination

Newly admitted students will be required to fill up WBSCTVESD Registration (1st Year and Lateral) A minimum of 75% attendance both in theory and laboratory classes is required for students to be eligible for semester examinations normally held in December and June every year. Forms are to be filled in accordance to the guidelines specified by WBSCTVESD notifications.

Courses Offered (Diploma First Year and Lateral):

 * Mechanical Engineering   * Electrical Engineering   * Computer Science & Technology   * Civil Engineering

For details, please visit https://www.dip.rahul.ac.in/

Overview

➢ Diploma is a 3 years professional course in which students are taught about basic but all the essential concepts and topics of engineering.

➢ Any student who has completed at least the tenth standard can do this course.

➢ Can do jobs minimum at the post of supervisor or further studies in the field of engineering.
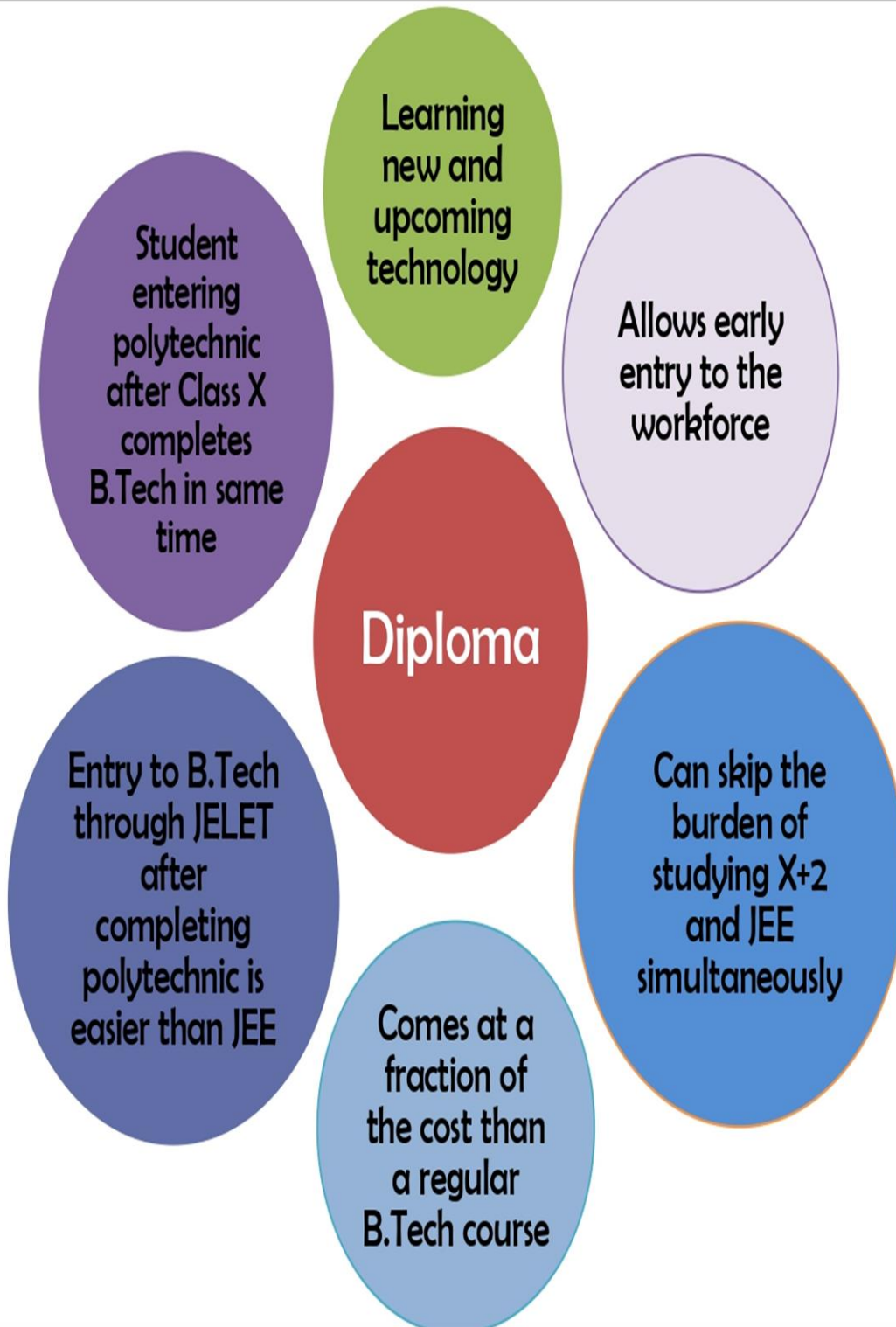
Importance of Diploma Courses

Equips students with Industry-specific skills

Helps is developing professional and soft skills
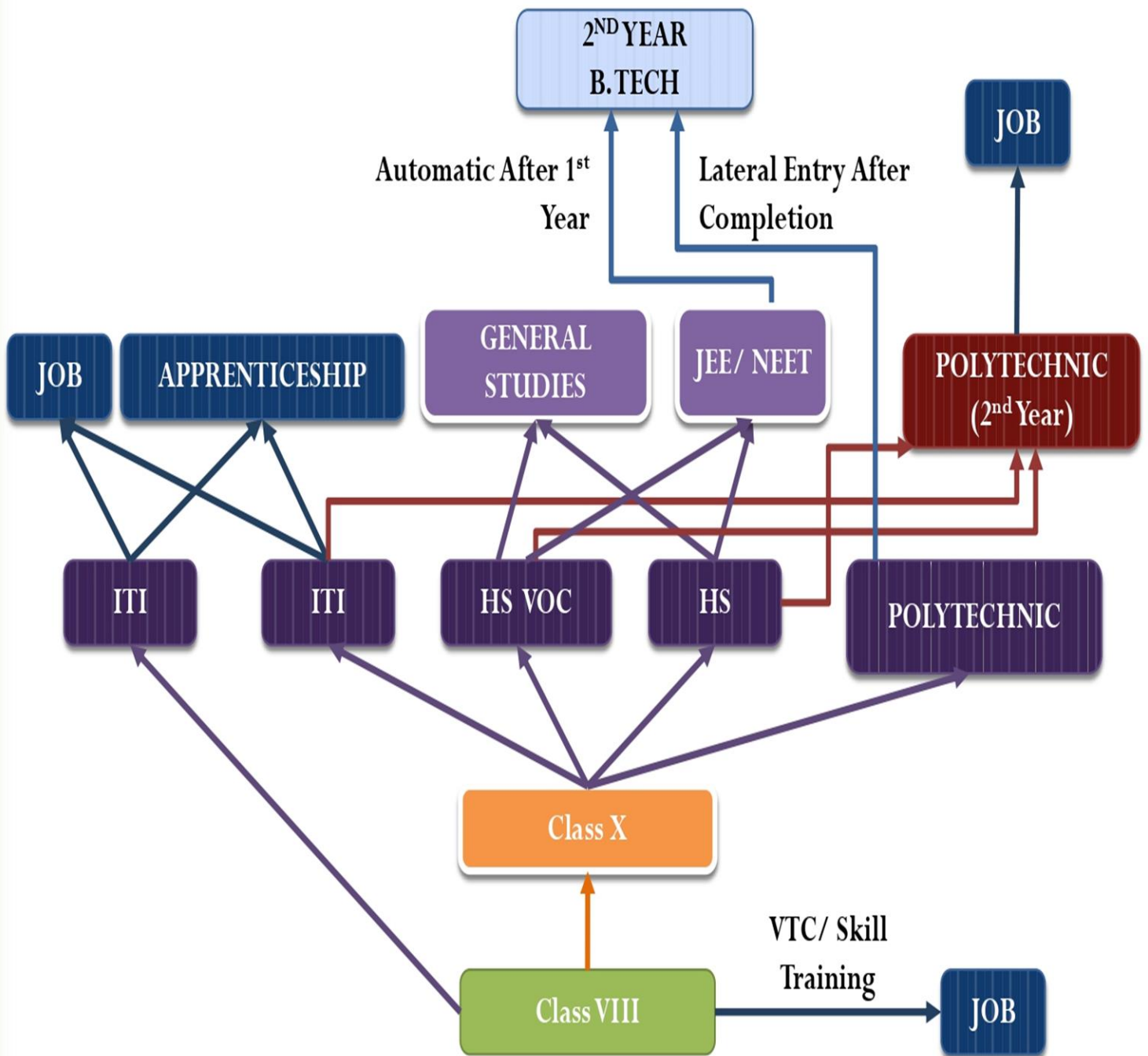
Makes students job ready

Advantages of Diploma Courses

Learning new and upcoming technology

Student entering polytechnic after Class X completes B.Tech in same time

Allows early entry to the workforce

Diploma

Entry to B.Tech through JELET after completing polytechnic is easier than JEE

Can skip the burden of studying X+2 and JEE simultaneously

Comes at a fraction of the cost than a regular B.Tech course

Comparison of Traditional and Technical Education

Career Options after Polytechnic

Basically, there are three major options which the students can choose after completing their Polytechnic including:
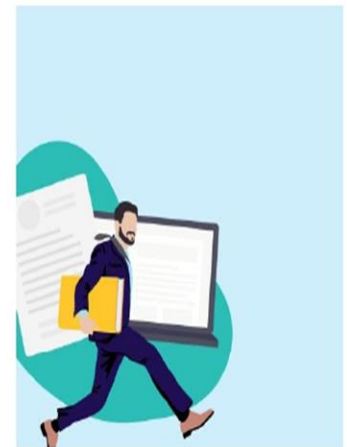
What to do after Polytechnic?

Going for a Job

Going for Higher Studies
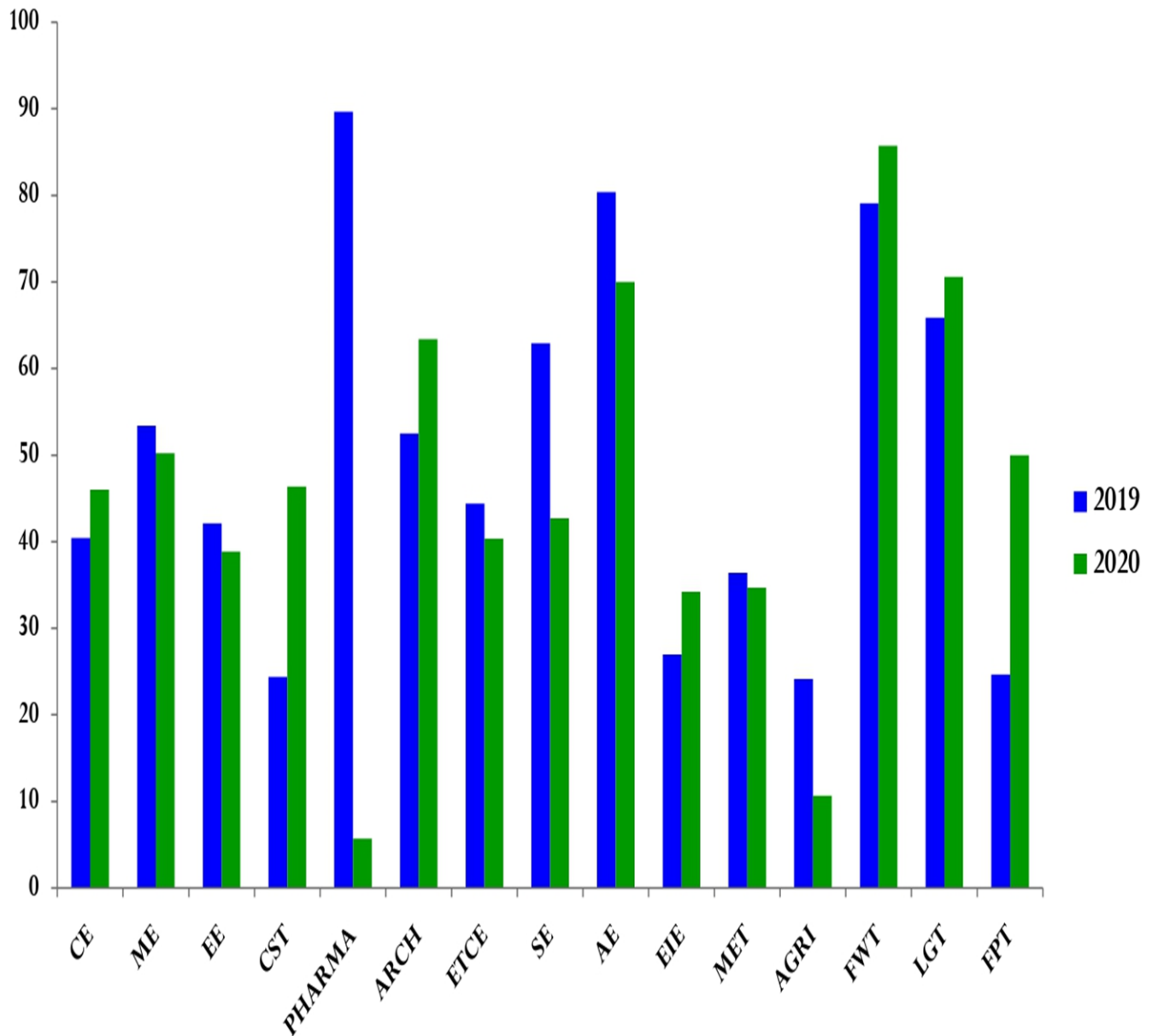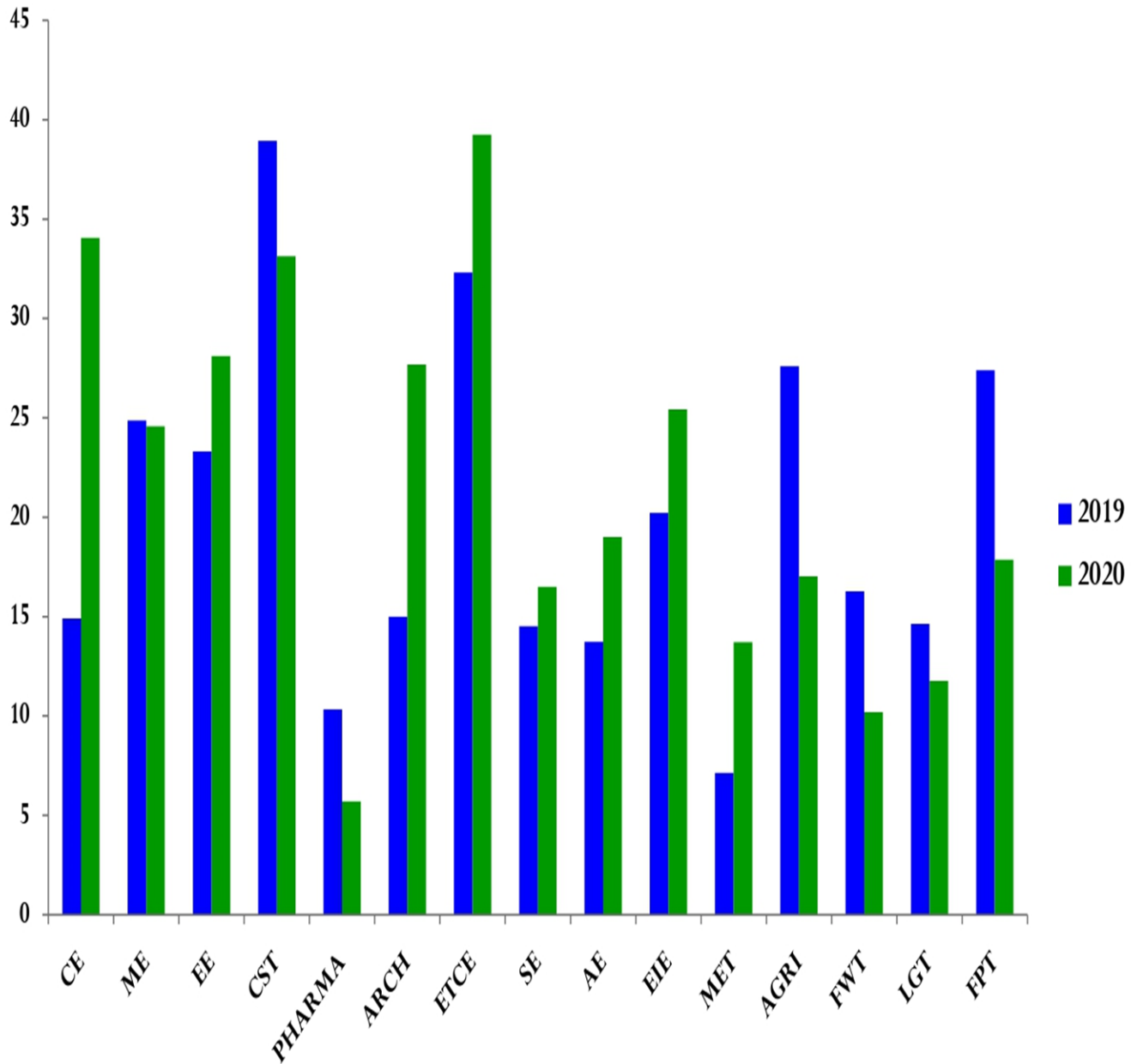
Self Employment

Scenario of Placement

Percentage data shown for each discipline

Scenario of Higher Studies

Percentage data shown for each discipline

Diploma in Engg. & Tech.

• **1st year**

Candidates having passed/ appeared in secondary (school leaving) exam need to appear at 'JEXPO' Entrance examination test.

Candidate Should not be born after 01.07.2007 and there is no upper age limit for JEXPO.

• **2nd year (lateral admission)**

Candidates having passed/ appeared in X + 2 board exam need to appear at 'VOCLET'.

Or,

Passed 2 years' ITI at a stretch after Madhyamik/ equivalent examination.

There is no upper age limit for VOCLET.

Financial Support Schemes

Swami Vivekananda Merit-cum-Means Scholarship (SVMCM) for those securing at least 60% marks in last qualifying exam having family income less than 2.5 lacs per annum only for West Bengal domicile.

Oasis Scholarship (Post matric) for SC, ST and OBC students having family income less than 2 lacs per annum for SC/ST students and 1 lac for OBC candidates.

Nabanna Scholarship for those securing 65% marks in Secondary and 60% marks in X + 2 Exam

AICTE **Pragati Scholarship** Scheme for Girl Students

AICTE **Saksham Scholarship** Scheme for Specially Abled Students

AICTE **Swanath Scholarship** Scheme

Financial Support Schemes

Kanyashree Prakalpa
Scheme for Unmarried
Girl Students

Tuition Free Waiver (TFW)
Scheme for those having
family income less than 2.5
lacs per annum only for
West Bengal domicile

Aikyashree Scheme
for Minority students
for those securing
50% marks

Student Credit Card
Scheme for all students
of Polytechnic

Department of Basic Science

The knowledge in basic science is the base of engineering. Our department of basic science & humanities aims to full fill this function most efficiently. The department
comprises of different subjects like mathematics, physics, chemistry & English etc. Our highly qualified and experienced faculty members of the department have made consistent and strenuous efforts to improve the students' learning, research and developments process. Besides of departmental subjects,
students are also engaged with personality, communication and skill developments. Department has library with huge book collection and extraordinary laboratories facilities.

*Durgapur institute of polytechnic is the one of the best polytechnic college in West Bengal. Here students get wide opportunities of learning of theoretical subjects and scope of implementation of the knowledge in practical through laboratories and live projects. Our main aims to develop students' technical and communication skills in such way, so that they can match the requirements of industries at the end of the course. As our campus is situated besides of medical college, students get 24*7 medical facilities. Durgapur institute of polytechnic is right place for students' overall growth.*

Mr. Amartya Roy
HOD, Basic Science
Email : dip.hod.bs@rahul.ac.in

Department of Computer Science & Technology

Computer Science and Technology Department is the most interesting area in technical field, anyone who is keen interested in learning software development or to establish their career in software zone, they are most welcome in Computer Science and Technology Department, at Durgapur institute of Polytechnic. Computer Science and Technology Department is full of enriched resourced persons who give their best effort to their respective students, very good lab facilities are here at Durgapur Institute of Polytechnic. The total student intake capacity per year is 60 in this department, not only technical know ledges but also cultural and moral values, ethics are well groomed at Durgapur institute of Polytechnic. Spoken English and other necessary pre interview activities are enriched here. Department of Computer Science & Engineering was established in the year 2016, enriched with strong resource persons and state-of-the-art laboratories. The department has always emphasized on achieving academic and professional excellence.

I welcome you all to the Department of Computer Science and Technology at Durgapur Institute of Polytechnic (DIP). The Department is giving best efforts to develop highly trained and competent computer engineers who can address the challenges in the Government and private sectors in this growing economy. I wish you all the very best for your near future, and Computer Science and Technology Department will always try to give its best performance for our students.

Mr. Sadananda Rana
HOD, Computer Science & Technology
Email : dip.hod.cst@rahul.ac.in

Department of Mechanical Engineering

Department of Mechanical Engineering was started in the year 2014. It offers 3 years Diploma course. The annual intake of the Diploma in Mechanical course is 60. At present more than 180 students are doing Diploma course with this department. The department comprises of well-qualified faculties, supporting staffs and suitably equipped laboratories. Our main aim is to impart quality education to the students and enhancing their knowledge. Mechanical engineering is one of the most sought after branches which created the greatest demand for the professional requirements in India and abroad. Almost all sectors of industries require the mechanical engineers and technological education needs to be improved with latest updated knowledge with practical experience and visualization. Our students are placed in many government, public sectors and private sector companies.

It is a pleasure to Head the Department of Mechanical Engineering at Durgapur Institute of Polytechnic . The department has a team of highly experienced and motivated faculty members. All the Faculty members are well qualified and competitive enough in preparing the young minds (our students) for global competition. Students are facilitated with Personality Development Program (PDP Classes), Communication Classes for better placements. Competitive exams, quizzes and other co-curricular activities are the part of schedule. Sports, Co-curricular and extracurricular activities takes place at Institute level and students participate in various Intra-College, Inter-College. Our Students their won many prizes in different competitions

Mr. Surajit Ray
HOD, Mechanical Engineering
Email : dip.hod.me@rahul.ac.in
Contact : 8637822069

Department of Civil Engineering

Welcome to the department of civil Engineering – a community of academics who work together & learn together & endeavor to make the world a better place. Civil diploma engineers design, build & maintain the structures, quality control & infrastructure for the betterment of our society. These facilities include buildings, roads, bridges, rail supports, a safe drinking water system and many others. We also plan to develop entrepreneurial skills in students through summer internships so that they would drive the spirit of growth of our economy and would be able to generate employment opportunities for other qualified and skilled people. The backbone of the civil engineering programmer is our well qualified and dedicated faculty members to recognize the importance of good classroom teaching all strives to encourage student faculty communication.

Civil Engineering is a 3 years diploma course with intake of 30 students in Durgapur Institute of Polytechnic (established in 2014). This department is approved by AICTE & affiliated to WBSCTVESD. To promote excellence in education of Civil Engineering & prepare the students such that they can address challenges of the millennium to achieve sustainable socio-economic development of the whole country as well as for the environment. Civil Engineering is known as the *"Mother of Engineering"*.

Mr. Anindya Sundar Sengupta
HOD, Civil Engineering
Email : dip.hod.ce@rahul.ac.in

Department of Electrical Engineering

Electrical Engineering, 3 years Diploma course with intake of 60 students in DIP being established in 2014. This department is approved by AICTE and affiliated to West Bengal State Council of Technical & Vocational Education & Skill Development. To promote excellence in education of Electrical Engineering and prepare the students such that they can address challenges of the millennium to achieve sustainable socio-economic development of the whole country as well as for the environment.

Department is always dedicated to equip students with the weapon of strong base of knowledge to enable them for continuing Higher studies. To promote professional skills, ethical and spiritual values resulting in service to the community. On success full completion of three years diploma program in electrical engaging the outgoing students will able to design electrical products , accessories and control the measurement system and evaluate their performance , other hand they flow the ender of professional either in work place .our aluminum remain in contact touch with in we are contributing in the development of the department.

"Have nice stay here & achieve the best"

Mr. Abhijit Ghosal
HOD, Electrical Engineering
Email : dip.hod.ee@rahul.ac.in

The Training & Placement Cell

Training and Placement Cell at DIP plays a vital role and has become a key department of the institute. The cell round the year organized different value-added programmed and continuously provide placement opportunities to the students. It also organized certain orientation programmed, grooming sessions, mock interviews for the students. The cell aims to reduce the gap between industry needs and the student skills by carrying out various value added training programmed. Campus recruitment drives are undertaken by inviting companies in college premises. The cell also conducts grooming sessions to up skill the students with competencies and employ ability skills.

Ms. Jhilik Adhikari
T&P Officer, DIP
Email : tpo.diatm@rahul.ac.in

DIP stretches out its fullest assistance co-operation and support to the final year students for suitable placement in different renewed companies. The T & P cells continuously and effectively coordinates the various industries and organizations for the placements of our students. The cell organizes various types of summer internship and webinar for final and pre-final year students to provide them with hands on experience and introducing them to match the professional environment.

The department also provides counseling to students about placement opportunities and maintaining contact with all industrial organizations for further placement purposes. Almost all the deserving students get placed even before they complete their course. It is so because of its quality academics, industry exposure and rigorous training for placement by the experts from Industries and academia. DIP adopted an academic practice that provides for enhanced learning opportunities through the co-operation with various industries, business houses, and counterpart institutions. It is pride that our graduates are highly rated by employers from IT Industry as well Core Industry.

Library

Our library has a rich collection more than 3500 in Diploma with around 1500 titles. All the books are classified according to Dewey decimal classification & arranged in the classified order on shelves and are cataloged according to AACR II. The library is fully automated with library software LIBSYS with BAR CODEING facilities.

Campus Amenities

Boys Hostel

Girls Hostel

Gymnasium

Play Ground

Medical Facility

Cafeteria

Cooperative

Rahul Foundation introduces *Rahul Next,* an in-house built E-learning dynamic platform on cloud storage through which users can study online courses from the comfort of their home 24X7. Rahul Next is developed with the goal of making education more quality, customizable, accessible, and ultimately more efficient. We are hopeful that our endeavor will be successful and will be popular and effective platform for the learning and interaction between students and teachers.

It is an integrated set of tools that can be used to deliver semester courses, organize the content, keep monitors performance, learning behavior, assess students, manage reporting, post assignment, pre placement training, hold webinars and arrange instructor led training (Face to face/ Class room base training) sessions and many more functionalities.

Web-link for the students: http://dip.rahulnext.in/

How to reach to Durgapur Institute of Polytechnic (DIP)

This college is situated beside the Grand Trunk (GT) Road and is smoothly connected by road with Asansol, Burdwan, Kolkata and all other major parts of the country. The nearest landmark of DIP is DIATM or Gouri Devi Institute of Medical Sciences & Hospital.

There is 10 minutes walking distance between the nearest Railway Station Rajbandh and DIP. The Panagarh Railway Station is also 8 kms from Rajbandh Station. Moreover, it is not far from Durgapur Railway station also, near about 8 kms. (All local trains (Asansol-Burdwan) have stoppage at Rajbandh Station).

That all Asansol and Durgapur bound buses from Esplanade and Karunamoyee stop before DIP (DIATM) on request deserves a special mention. Any local bus from Durgapur or Panagarh bus stand will stop at DIP and name of the stoppage is college more.