B.Sc. (IT) | M.Sc. (IT) | MCA | PGDCA | ADHNT

in association with Punjab Technical University

at Youth Computer Training Centre

Give Your Career
that Extra Edge

Youth Computer Training Centres, setup under the aegis of Youth Services Department Govt. of West Bengal, have been in existence for the last fourteen years. Since inception, Youth Computer Training Centres have successfully trained more than a million of students in basic to intermediate level skills of Information Technology. Off-late there is a great deal of demand among students and youth to pursue U.G.C. approved Diploma and Degree courses leading to career in Information Technology Industry. In view of such a demand some selected Youth Computer Training Centres are now offering U.G.C. recognised degree and diploma courses. While this degree and diplomas will be awarded by Punjab Technical University, Youth Computer Training centres will conduct classes and train students under the distance education programs of P.T.U.

At the Youth Computer Training Centres specially selected for this U.G.C recognised degree and diploma course, you can expect the best of infrastructure, highly experienced faculty and best of support services at very reasonable cost. For all these years Youth Computer Training Centres are known for quality training at very affordable price. The same tradition is set to be maintained for this high-end courses. This arrangement with P.T.U. also enables passed out students of Youth Computer Training Centres who has completed a diploma course here to earn a bachelors degree in one year less time and with saving of one year's course fees.
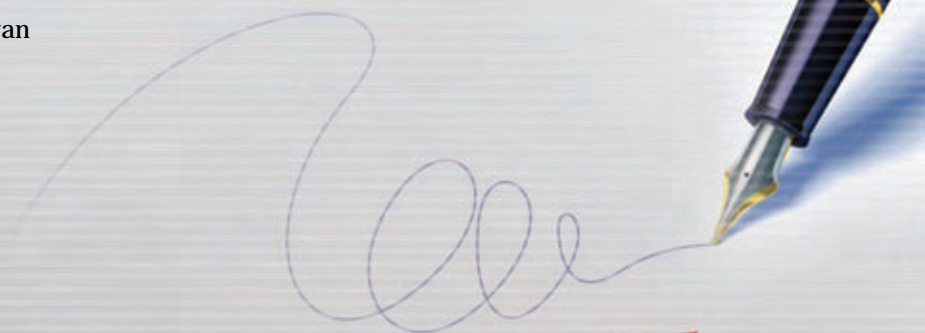
Message

Message from the Vice Chancellor

Gone are the days when distance education was a "second choice" of attaining certification. Today it is an "alternative route" to attain knowledge, skills and simultaneous experience. A distant learner is at an advantage because in this mode he can manage his time better and utilize it for a job to fulfill his/her responsibilities of contributing towards supporting a family.

I am glad to note the satisfaction of students pursuing our courses and of the industry employing these students. Encouraged by this we are in the process of introducing more such job oriented courses including retail, insurance, commerce etc. Very few systems in the country can boast of growth at the rate of almost 100% every year and this particular system is one of them!
We are thankful to the students, their parents and the industry in reposing faith in the University and its initiatives and convey my best wishes to all of them.

Dr. S. K. Salwan
Vice Chancellor

Youth Computer Training Centre

Message

Message from the Registrar

The PTU distance education is a successful model of Public-Private Partnership in higher education within a Public University system. The recommendations of the 11th Plan of Government of India in increasing GER from 10 to 15%, increasing enrolment in distance education from 24% to 40% and Knowledge Commission for emergence of public universities to be innovative in their approach and functioning are the guiding factors in this endeavour. We are sure to ultimately emerge as a significant contributor in fulfilling the objectives and integrating all sections of the society in the higher education net.

The tremendous response to this programme and ever increasing enrollments has always posed varying challenges of improved Governance and Administration that we continuously strive to meet. Some of the constraints will be shortly removed when the University moves to its new 75 acres of campus that has adequate infrastructure to provide enhanced student support services.

I wish good luck to all our stake holders and welcome the students joining this programme. I extend all our cooperation and commitment to make this journey worth remembering!

Sarojini Gautam Sharda
Registrar

Message

Message from the Dean DEP

Dear Students!

If you are coming to PTU for just earning a degree, better think again or look elsewhere! If you want to evolve with us and learn employable skills and want to witness how a state university can change lives and make you confident of what you have achieved and learnt, come be a partner! I welcome you all.

This year is a landmark year in the history of the university since this is the "Quality Year" for us. The old conventional distance education system run by various universities for the past few years, is a thing of the past. We have seen all modes of education delivery, the regular chalk and talk model, the correspondence model, the monotonous broadcast and telecast process and the limited contact model also. But for the past two years, PTU has been working on integrating all the positives of all the systems into one. Finally, after immaculate planning, sustained discussions and various innovations, we are now entering into a realm of "Blended Learning" which has the virtues of the best systems in the world and much more for the students and employers. The concept of Blended Learning will provide to each student, apart from limited contact in a classroom, SIMs and learning support through a variety of Online and offline material through ICT enabled services. This will include face to face interaction with our experienced and motivated faculty, unlimited practical, industry exposure, group discussions, self instructional material, CBTs, Learning Management systems and real time lectures through EduSAT. We are now distributing the Computer Based Tutorials as a free ware to all our students that is a gist of the subject with illustrations, animations and graphical representations. We are ready to launch an online web based Learning Management System having the features like online content, chat rooms, public forums, digital library, online mentors, self assessment, question builders, provision for notes, bookmarks, tags and lots more.

We are hosting a complete web portal which is more informative, dynamic and user friendly. We have started building an ERP solution for our Regional Centres in the first phase, Learning centers in the second phase that will be integrated to our web portal to enhance the quality of student support services. Dear students, just remember one thing! With every innovation comes a phase in which everyone must move in a synergetic way and help each other in taking this mission forward. I know all these changes would be a little hard for you in the beginning, but remember, at the end of it all, you will have an edge that no other student of your age can take away from you. You will be confident to succeed anywhere and with anyone throughout the world, provided you have used the system in the true spirit that it is being provided to you : TO AID YOUR LEARNING ABILITIES.

You are on the threshold of a revolution and I welcome you to be a partner of it. Good Luck!

Dr. R. P. Singh
Dean DEP

The University

An Overview

To address the issue of Technical Manpower shortage and to usher into a new era of Industrial Development comparable to International Standards, the Punjab Government constituted Punjab Technical University (PTU) in 1997. The University was entrusted with the responsibility of developing the new generation of technical manpower that can spearhead the industrial development of the nation. Punjab Technical University has been formed to be the grooming ground for the future Engineers, Managers and Researchers.

As of today, PTU affiliates about 145 Engineering, Management, Pharmacy, Hotel Management and Architecture Colleges in the State that are approved by All India Council of Technical Education (AICTE).

Need for creating a knowledge rich society

The time, at which PTU was formed, the whole world was going through a new revolution. It was a stage when there was an internet boom and the world had realized the importance of Technical Education in the modern society. There was an immediate need for educating masses in the latest job-oriented and skill-based technologies.

Carrying on this philosophy, PTU realized that restricting technical education to its campuses only will not serve its objective of creating a knowledge rich society. It was firmly understood that latest technical education has to be spread to the general masses. This is how the Distance Education Programme of the Punjab Technical University was conceived.

The main objectives of this programme are :

- To bring remunerative, more affordable, high quality & skill-based Technical Education to the general masses of the country.
- To simultaneously spread this kind of education to all parts of the country at a rapid pace.
- To constantly monitor, manage and upgrade this programme.

Today, the University has more than 845 Learning Centres spread across the country offering quality technical education in the fields of Information Technology and Management, Paramedical Technology, Fashion Technology, Hotel Management & Tourism, Media and Mass Communication & Journalism. Mass Communication & Journalism.

Salient Features

UGC Nomenclature

All courses offered by PTU are as per the nomenclature and guidelines of University Grants Commission that makes these courses universally acceptable.

Syllabi

PTU revises its curriculum periodically as per the industry requirements and offers latest subjects and technologies empowering the students to get a degree and the skills to be employable.

Multi Entry & Multi Exit System

PTU offers a unique Multi Entry & Multi Exit System called the pyramid structure of courses. Under the system, the 10+ 2 student, after undergoing 2 semesters of U.G. programme, can take a diploma and exit or continue with the graduation degree. The diploma student can enter the same system after some time from where he had left. Such admissions are termed as Lateral Entres. The same mechanism works for post-graduate courses.

Examination System

The examination pattern ensures that the understanding and knowledge of the candidate are extensively tested. The exam centres are established at reputed institutions all over India, keeping in mind that students do not have to travel much for appearing in examinations.

Punjab Technical University
Distance Education Programme

An Overview

Communication & Soft Skills

Irrespective of the course chosen, the student takes up the subject of Communication and Soft Skills that includes communicative English, presentation skills, etc. enabling the student to present himself in a better position in front of the prospective employer.

Study Hours

The curriculum and the calendar provide minimum 240 hours of education delivery in each semester to all students. This is apart from the tests, assignments, self learning exercises, projects, industrial training etc. This is normally taken as 2 hours per day or consolidated at the weekends. Daily interaction with the faculty enhances the understanding of the subject.

Proximity

So as to meet the basic objective of distance learning, PTU has established a network of more than 845 Learning Centres across the country, to reach every nook and corner of the country and provide the students with a second chance of learning. PTU has established centres in almost all states and even at the most remote locations like Kargil & Imphal.

Class Rooms

PTU establishes Learning Centres with adequate class rooms and required amenities for teaching and learning. It almost replaces the regular mode of education where the students can take lectures and interact with faculty and fellow students. Modern teaching aids like Television, Overhead Projector, LCD Projector, white boards etc are extensively used for the delivery of education.

Labs

Learning Centres are equipped with lab facilities including computers, high speed internet connectivity, medical equipments & chemicals, designing labs, drafting tables, sewing machines, back end kitchen, advanced kitchen training restaurants etc. as per the course requirement. Many LCs also have industry tie ups with hotels & restaurants, hospitals and clinics and other such establishments to give hands on industry exposure.

Faculty

PTU has set norms for the minimum qualifications of the faculty who conduct classes at the Learning Centres. To keep the faculties updated with the latest technologies, the faculty development programmes are periodically organized the regional levels.

Library

The Learning Centres have well-stocked library having reference books, magazines and journals, newsletters etc. for further reading on the subject.

Course Material

To make learning easier, effective and interesting, PTU has started providing most of its course material in the SIM (Self Instructional Material) format. SIM are closer to reference material than to learning texts. They are the instruments for learning which present the information in a detailed form and facilitate independent learning. Other than this, the learning centre provides notes to the students.

Learning Aids

To supplement the class room teaching and the self instruction material, PTU has developed Computer Based Tutorials for all the subjects. These materials are prepared by experts of respective fields and help the student to learn the subject at his own pace/convenience.

Internal Tests and Self Assessemnt

The Learning Centres assess the students periodically through group discussions, projects, and internal tests. These internal tests contribute 25% as internal assessment in each semester whereas external examination conducted by the University contributes 75%.

EDP Centre

To handle the large database of its distance education students, the University has set up an exclusive Electronic Data Processing Section that has enhanced the result declaration process, enabling students to have sufficient time for preparation of the subsequent examination.

Multi-Tasking Opportunity

As the programme requires only 2 hours of study everyday, it empowers the students for multitasking like employment, entrepreneurship, family business, home making or continuning a dual degree programme. This saves a lot of precious time and money.

Degree Equivalence

PTU Distance Education Programme is widely accepted nationally and internationally. Lately, the M.Sc IT degree has been rated equivalent to Masters Degree in the United Kingdom. The diploma and degree programmes have also been accredited by International University Accrediting Association, Calfornia, USA.
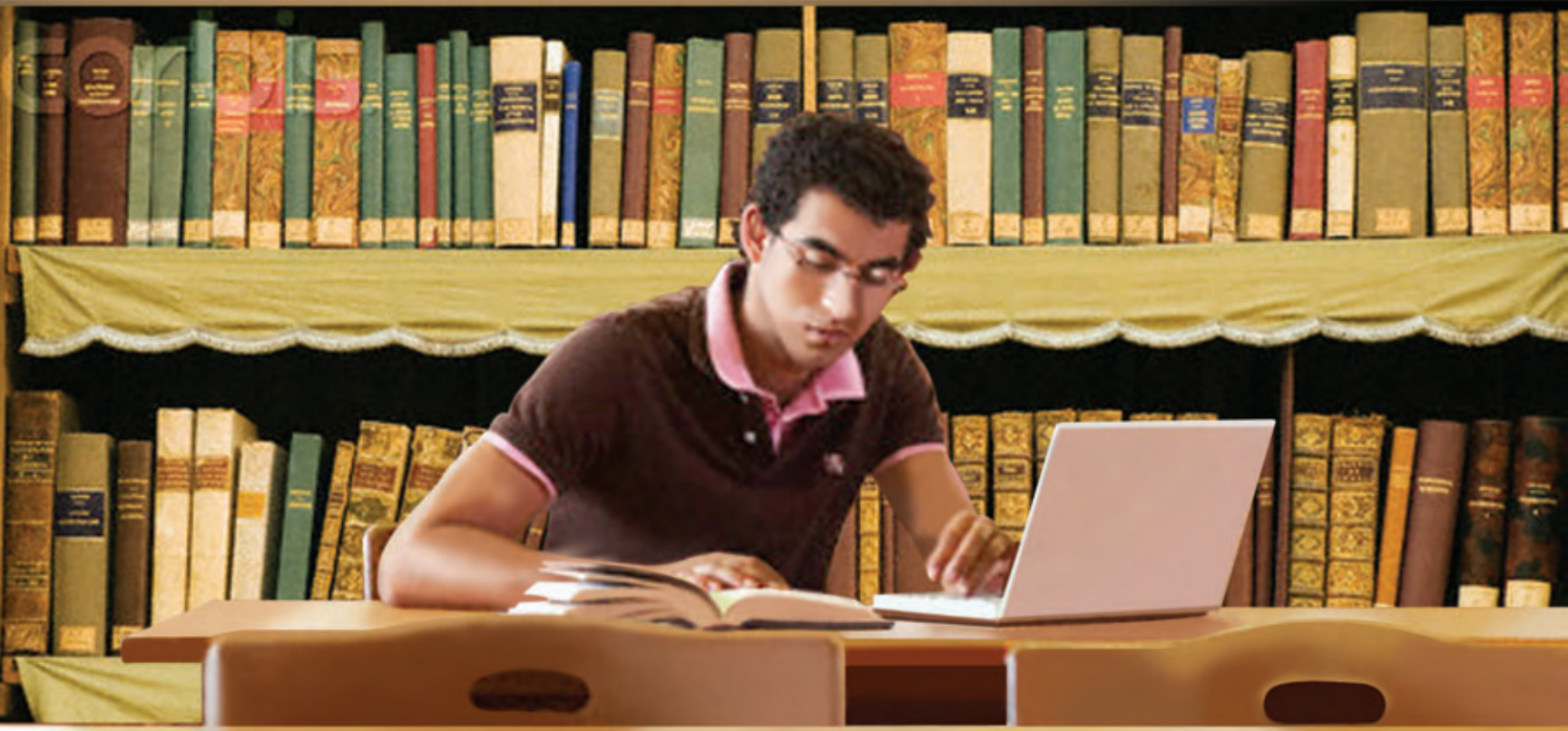
International Recognition
Birmingham City University

The Birmingham City University was established by statute in March 1992. The University has been formed by combining smaller institutions in Birmingham to create the major educational force. The constituent institutions include :

Birmingham Polytechnic

Birmingham College of Art

Birmingham School of Jewellery

School of Architecture

Birmingham School of Music

Birmingham College of Commerce

South Birmingham Technical College

North Birmingham Technical College

Anstey College of Physical Education

Bordesley College of Education

City of Birmingham College of Education

Birmingham and Solihull College of Nursing and Midwifery

West Midlands School of Radiography.

City College Norwich

City College Norwich is one of the largest and most comprehensive colleges of further and higher education in the UK. It offers a huge range of courses from foundation Studies and Entry Level to Post-Graduate and Professional qualifications, for school leavers, adults and to employers. The breadth and depth of the curriculum is a key strength of the college, along with a commitment to lifelong learning and the promotion of learning within the community.

City College occupies a large, attractive campus site on Ipswich Road, just ten minutes walk from Norwich city centre. In addition to the main campus. courses are offered at Dereham, St Andrews House in Norwich City Centre and the City Learning Station which is located within the Forum, a landmark building in the heart of Norwich.

The college was founded in 1891. The college has around 16,000 enrolments each year and has 1,000 full and part time staff. The college runs 9 Vocational Schools with a huge range of both Further and Higher Education courses (over 1,000 courses). There are three Centres of Vocational Excellence-in Hotel and Catering. Accounting and Finance and Computing & Networking. Apart from this, there is a Sixth Form Centre (A Levels and GCSEs) and a National Skills Academy in Financial Services.

New College Nottingham (NCN)

New College Nottingham (NCN) is one of the largest Further Education Colleges in the Uk, with a wide range of full and part-time study programmes, NCN is an integral part of the Nottingham community, with centres located throughout this great student city. Courses are offered at a variety of levels, from GCSEs right through to degree-level study. The choices of subjects and qualifications are extensive and subjects are grouped into 14 academic schools. The size and diversity of the College ensure an interesting student mix, reflecting a broad range of cultures, backgrounds and ages. As well as attracting students from the greater   Nottingham area and the East Midlands, many international students also attend NCN each year, adding to the vibrant, consmopolitan atmosphere.

University College, Birmingham

University College Birmingham (UCB) has been unveiled as the new name for Birmingham College of Food, Tourism and Creative Studies. The College recently gained its own taught degree awarding powers and has taken the opportunity to change its name to reflect its new status. Over 8,300 students study a range of vocational and higher education management courses at the College's two city centre sites plus a number of courses are taught overseas in countries such as Jamaica, the Maildives and Hong Kong.

PTU degrees are recognized world over, certification by NARRIC for Britain.

Above Institutions offer various courses in the stream of Information Technologies, Business and Management, Hotel Management, Fashion Technologies etc. PTU Diploma holders can seek Lateral Entry (wherever applicable) in the above Institutions and save their precious time and money.

Various International Institutions provide equivalence and progression to PTU diplomas and degrees.

Structure

The programme has been specifically designed for students who are deprived of higher education due to social, geographical, economical or professional factors. Keeping in mind the limitations of these students, PTU offers them a Multi-Entry-Multi-Exit facility wherein they can undergo two semesters of a graduate program and quit with diploma. After a brief industry exposure they can re-join the remaining graduation period at their convenience of time and economy.

In light of this facility the University also recognized diplomas in relevant stream awarded by other recognized Universities and absorb such students into its lateral entry system. Maintaining the true flavour of the Distance Education concept, this feature provides immense flexibility to the students unlike the rigidity of the conventional system of education

M.Sc Complete

PG Diploma & M.Sc

B.Sc Continue

Diploma & B.Sc

M.Sc Lateral

M.Sc

PG Diploma

B.Sc Complete

B.Sc Lateral

B.Sc

Diploma

1. M.Sc
2. M.Sc Lateral Entry
3. PG Diploma
4. B.Sc
5. B.Sc Lateral
6. Diploma
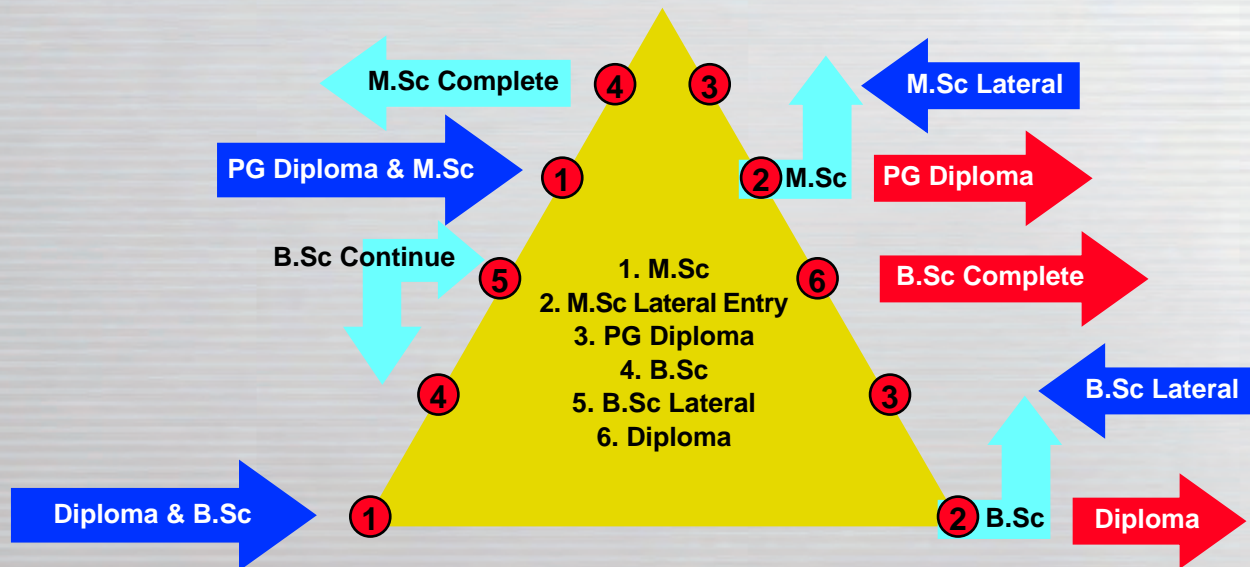
Career Opportunities –
Information Technology

In the last two decades, the Indian IT/ITES Industry has contributed significantly to the Indian economic growth in terms of GDP, foreign exchange earnings and employment generation. However, equally significant, though not as tangible, has been the ripple effect it has created on the general economic environment in the national and international economic space. The industry has been the trigger for many "firsts" and has contributed not only to unleashing the hitherto untapped entrepreneurial potential of the middle class Indian but also taking Indian excellence to the global market.

Career planning is an important decision of a student's life. It not only determines material prosperity but the entire life style for the rest of one's life. A student may plan his career in the field of IT & Management keeping in mind the following information.

Unlike the traditional industries, the IT sector is people intensive and creates vast employment opportunities. It is estimated that total size of IT Industry in India will cross US $ 1000 billion by 2008 and become the single largest contributor to the GDP. As per the Ministry of Information Technoloty, Govt. of India Report, IT industry will employ more than 70 lakh professionals by the year 2008. This would, however, include professionals for the hard-core IT sector as well as for the IT enabled services.

Information Technology is a wide term broadly covering the areas of computer science, electronics and telecommunications. Over the last few decades, there has been a tremendous growth in IT, which has almost revolutionized the very outlook of the world. The economy of any country is no longer measured by strength of traditional industries but by its technological advancement. It is estimated that knowledge based businesses would contribute two third of the growth in global GDP in the next ten years.

In a developing country such as ours, IT makes it possible to leapfrog many of the physical barriers and deliver basic needs like education to people in areas that either do not have faclities or are inaccessible. With the decreasing cost of instruments and services like personal computers, cell phones and internet, direct benefit of IT sooner than later would be reaped even by the illiterate and disadvantaged.

Industry Profile

From the chip E-careers, the industry houses real talent. The industry has computer Scientists working on the elements of chip design, mathematical modeling and reliability aspects of chip design conceiving how a computer is required to respond. Computer Technologists work on three major areas. Computer manufacture, computer repair and maintenance and system integration.

Information Technologists manage an enormous range of jobs from software designing to consultrancy. It is basically about how a computer can be exploited in different fields. Information Systems Designers design alternative systems for business, commercial or professional set up. Information Managers develop information system and are from a variety of backgrounds such as computer science, physical sciences, business, finance, management and engineering. Information Technology has pervaded Business & Industry, Banking & Finance Industry, Travel Sector, Medical, Architecture, Planning and Design, Research Education, Defence Data Analysis and interpretation, Music,Internet, Multimedia, Dot coms, Convergence technologies and Education.

Future Projections

The direct employment in the IT/TES sector is expected to be 2.0 million by end of FY08 and has been growing at a CAGR of 26% in the last decade. This makes it the largest employer in the organized private sector in the country. As per data from Ministry of Labour & Employment (DGET), IT services accounted for almost 12% of the employment in organized private sector in 2004.

IT enabled services-The Nasscom-Mckinseys December 1999 India report estimates that by the year 2008, IT enabled services such as call agents and medical transcriptionist are stated to become a $17 billion industry with an employment potential of one million jobs. Out of 8,00,000 entry level jobs (including e commerce, IT-Enabled services, anciliary jobs and hardware)-5,00,000 are for candidates with end-user skills.

India is looked upon as an intellectual IT hub across the globe and we are training our students in the field with latest job oriented syllabi. Our students are being trained to cater to the need of BPO, IT enabled services CAD CAM, programming system designs and support systems. Our courses in IT lead to the career opportunities such as IT consultant. Hardware Design Engineers, System Designers, Programmers, System Analyst, Software Engineering, Training Faculty, R & D Scientist. EDP Manager, Programmer, System Specialist/Manager and Project Manager etc.

Hardware Jobs

Hardware refers to computer chips, circuit boards, computer system and related equipment like keyed equipment such as keyboards, modem and printers. Hardware jobs are in manufacturing of computers and auxilaries, assembly, marketing and maintenance. As per Nasscom the hardware industry revenues could touch $62 billion by 2010. This means that by 2010, the indian hardware industry can grow almost 12 times the existing market size with proportionate demand for hardware engineers.

Networking

Networking experts give connectivity to the various system nodes over a local or wide area network (LAN/WAN). Designing, building and maintaining information networks, within or between organizations, is their task. Networking is the fastest growing segment in the communications field, a growith of around 35% annually. The job entails analyzing, installing and configuring the company's network, monitoring network performance, troubleshooting and maintenance are major responsibilites. Emerging technology in Network is Internet Security.

Software Jobs

System programmer/Software engineer, Systems Programmers reserch, develop and adapt application programmers for computer systems. In other words, they direct the computer and tell it what to do and how to funcion. However, these two jobs can overlap and sometimes the same individual is responsible for both areas. System Programmers and SoftwareEngineers, find employment with software firms, computer manufacturers, large firms who use computers and develop their own programmes.

Enterprise Resource Planning (ERP)

ERP software is used for planning the resouces of the entire worldwide network of an enterprise. Sales, service, distribution, marketing, purchase, manufacturing, Inventory, finance, accounts etc. are integrated on one software backbone. ERP is a system solution for enterprise wide computing which combines resource planning and integration of all business functions manufacturing, distribution and finance applications to synergise the resources of an enterprise.

Web Options

Professionals in dotcoms design webpages or take up a technical job on the server side. Websites of education, business, services, institutions, organisations, agencies provide ready options for work. Growth of the internet and the expansion of the World Wide Web have generated a variety of occupations relating to the design, developement and maintenance of Web sites and their servers.

Call Centres

A call centre is a place that has adequate telecom facilities, trained consultants, access top wide database, internent and other on line support infrastructure in order to provide information and support to customers on real time basis.

Multimedia

Multimedia involves computing and audio visual technologies to fuse video, audio, text, graphics, animation etc. in a meaningful way. There are animators, sound technicians, graphic artists, video technicians and multimedia professionals.

Operating Jobs

People who enter data into the machine are existing in all user and consultancy units, large and small. In a large or medium firm, where computer operators are involved in work on a large scale, there is usually the EDP Manager for the information system. Computer Operations involves date entry, desk top publishing etc. Employment is in organisation with a large database, in publishing and dotcoms. Computer courses after 10+2 are required for these jobs. They often handle peripheral electronic devices.

Marketing Jobs

Computer marketing people at the regional office are supported by other people who tell them what they should be selling to whom and what strength their products have over their competitors. Market researchers study their products and the competitors. Market analysis requires computer professionals with a marketing background. Options for jobs exist with manufacturing and software designing firms.

Entrepreneurs

The computer industry provides services to departments of the same company or to individual clients. These services could range from renting PCs to publishing on computers, helping customers select computers for developing software and training computer professionals. Many software professionals with experience have switched over to lucrative consultancy practices. The demand for specialists is also increasing. Even desk top publishing is catching on fast.

Education

The virtual classroom is a reality. Online education is very much an established phenomena.

Placement

PTU has emerged as a frontrunner in imparting quality technical education to the students.This is very much reflected by students of PTU Distance Education Programme who have been selected for the teaching posts in Govt. Schools in Punjab & Himachal Pradesh. Thousands of PTU DEP passout are providing quality computer education to the school students of the State.

Having gone through rigorous procedure of selection amongst thousands of students, PTU DEP students once again proved that they do not lag behind in anything.

The Punjab State is all set to impart computer education in its schools from class VI in the next academic session. This step

has been taken by the government to ensure that students studying in state run school, don't lag behind their counterparts in public schools. The students who got appointed in Govt. School mainly belonged to suburban and rural areas.This proves in itself that the project that has been started to educate particularly rural & suburban population PTU already has been successful in grooming students from rural areas to stand on their own feet and make them self-reliant. PTU students have made major contributions in implementation of School Education improvement programmes successfully.

Placement Orientation

For students who have passed out/passing out from the DEP courses of PTU, the Office of Job placement provides information about part time and full time employment. It also provides Job Readiness training programmes and workshops on topics such as job-search skills, interviewing techniques, resume and application preparation, career change, and development of a professional attitude and image.

The Industry Orientation section makes the student aware of current industry trends and the necessary standards required to progress in today's job market. Many companies send representatives to the campus for personal interviews.

The placement office assists the process of career exploration and decision making, helping them indentify employment opportunities and field placements appropriate to their background, training, theoretical orientation, goals and interests.

Career Decision-Making Strategies

In order to make informed decisions about their career, a student needs to know intrinsic qualities, interests, values, skills and needs and how these factors relate to the world of work. He/she also needs current and accurate information about the career options and the industry requirements. In these workshops, students learn how to do self-assessment, identify occupations that are suited to them, research their career options, develop career goals and make a plan of action.

Commucation & Personality Development

At each Learning Centre, as the part of the placement exercise, the students are taught to make interesting presentations, prepare for an interview, work in a team, manage time and stress to face the world with confidence.

Since they are groomed to fave the well-drawn parameters in the rigorous selection procedures, PTU has managed to have its students bag the best opportunities available.

Our students are placed in industry, institutions, call centres, service sector, banks & other related concerns and are bringing laurels to PTU DEP & the Learning Centres.

Since IT sector is booming rapidly, PTU will continue its efforts for students to get equipped with latest technologies and developments. Not only making them technically sound, it would also keep grooming them to make them confident enough to face the tough competitions and make their own mark successfully.

Admission Process

Admissions are made twice a year in March and September. The University works on semester system and examinations are conduced twice a year in March and September. The counseling is held at the learning centres and the candidates should contact the Learning centre preferred and must carry attested photocopies of their testimonials. The admissions are done subject to availability of seats / course at Learning Centre. Mere submission of form does not ensure admission i.e. only confirmed upon allotment of the roll no. from the University. The candidate found in-eligible are informed through the respective Learning Centres.Every semester, the University publishes its prospectus with course details and fee structure, rules and regulations and an OMR form.

In any case fee once paid is not refundable.

Discipline
Students are required to observe the decorum while attending the programme. No students will be allowed to enter into the Learning Centre without permission of the Learning Centre authorities, once they have completed the programme or have been expelled. PTU has the discretion to close a learning centre and in such cases the concerned students should contact the respective RC for re-allocation to a new learning centre.

YCTCs offer Degree/ Master Degree Courses…

Students after 10+2

Students from Other Streams (FA, DTP, HW., Multimedia)

CITA (6 months)

CBM / CCHM / CDTP /CFAS (6 months)

DITA (6 months/1 year)

DCHM/ DDTP/ DFAS/ DMAVE (6 months/1 year)

Bridge Course

B.Sc. IT (with lateral entry to 3rd Semester) (2 years)

MCA (with lateral entry to 5th Semester) (1 year)

M.Sc. IT (2 years)

MCA (3 year)

B.Sc. (IT) | M.Sc. (IT) | MCA | PGDCA | ADHNT

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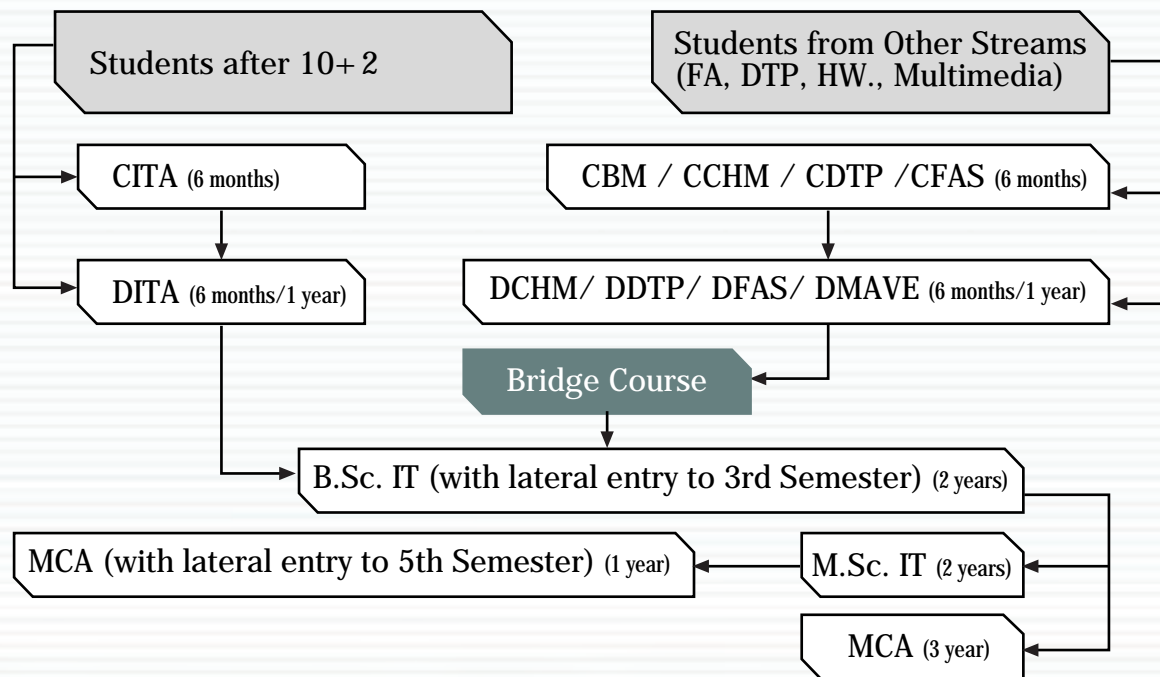
Bachelor of Science in Information Technology - B.Sc. IT

Semester - 1

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0301	BSIT(05)-101	Fundamentals of Information Tech.
2.	A0302	BSIT(05)-102	Programming in C
3.	A0303	BSIT(05)-103	Operating Systems
4.	A0304	BSIT(05)-104	RDBMS-I
5.		BSIT(05)-105	Communication & Soft Skills
6.		BSIT(05)-106	Software Lab-I (C)
7.		BSIT(05)-107	Software Lab-II (RDBMS-1)

Semester - 4

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0313	BSIT(05)-401	Visual Basic
2.	A0314	BSIT(05)-402	Basic Mathematics-I
3.	A0315	BSIT(05)-403	Microprocessor System
4.	A0316	BSIT(05)-404	Web Technologies-II
5.		BSIT(05)-405	Software Lab-VII (Web Tech.)
6.		BSIT(05)-406	Minor Project (V)

Semester - 2

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0305	BSIT(05)-201	Digital Electronics Fundamentals
2.	A0306	BSIT(05)-202	Data Structures through C
3.	A0307	BSIT(05)-203	Web Technology-I
4.	A0308	BSIT(05)-204	Desktop Publishing Tools
5.		BSIT(05)-205	Software Lab-III (Data Structures)
6.		BSIT(05)-206	Software Lab-IV (DTP, WEB)

Semester - 5

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0317	BSIT(05)-501	Core Java
2.	A0318	BSIT(05)-502	WAP & WML
3.	A0319	BSIT(05)-503	Computer Networks
4.	A0320	BSIT(05)-504	Management Information Systems
5.		BSIT(05)-505	Software Lab-VIII (WAP & WML)
6.		BSIT(05)-506	Software Lab-IX (Core Java)

Semester - 3

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0309	BSIT(05)-301	Computer System Architecture
2.	A0310	BSIT(05)-302	Principles of Management
3.	A0311	BSIT(05)-303	Programming in C++
4.	A0312	BSIT(05)-304	RDBMS-II
5.		BSIT(05)-305	Software Lab-V (RDBMS-II)
6.		BSIT(05)-306	Software Lab-VI (C++)PR

Semester - 6

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0321	BSIT(05)-601	Software Engineering & Project Management.
2.	A0322	BSIT(05)-602	Advanced Java
3.	A0323	BSIT(05)-603	C# with .Net
4.		BSIT(05)-604	Major Project

Duration : 3 years   Eligibility : 10+ 2 in any stream or equivalent

B.Sc in Information Technology Lateral Entry - BSCITLE

Semester - 3

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0309	BSIT(05)-301	Computer System Architecture
2.	A0310	BSIT(05)-302	Principles of Management
3.	A0311	BSIT(05)-303	Programming in C++
4.	A0312	BSIT(05)-304	RDBMS-II
5.		BSIT(05)-305	Software Lab-V (RDBMS-II)
6.		BSIT(05)-306	Software Lab-VI (C++)

Semester - 4

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0313	BSIT(05)-401	Visual Basic
2.	A0314	BSIT(05)-402	Basic Mathematics-I
3.	A0315	BSIT(05)-403	Microprocessor System
4.	A0316	BSIT(05)-404	Web Technologies-II
5.		BSIT(05)-405	Software Lab-VII (Web Tech.)
6.		BSIT(05)-406	Minor Project (VB)

Semester - 5

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0317	BSIT(05)-501	Core Java
2.	A0318	BSIT(05)-502	WAP & WML
3.	A0319	BSIT(05)-503	Computer Networks
4.	A0320	BSIT(05)-504	Management Information Systems
5.		BSIT(05)-505	Software Lab-VIII (WAP & WML)
6.		BSIT(05)-506	Software Lab-Ix (Core Java)

Semester - 6

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0321	BSIT(05)-601	Software Engineering & Project Management.
2.	A0322	BSIT(05)-602	Advanced Java
3.	A0323	BSIT(05)-603	C# with .Net
4.		BSIT(05)-604	Major Project

Duration : 2 years

Eligibility : 3 year polytech. Diploma/10+2 with 1 year diploma in computer applications or IT from a recognized university / 10+2 with ADHNT from PTU/ completed 1 year Diploma from YCTC.

Note : The candidates who have appeared/appearing in the final examination of the prerequisite qualification and awaiting results can also apply. In this case they will be given provisional admission and will have to submit an undertaking.

Master of Science in Infomation Technology - M.Sc. IT

Semester - 1

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0401	MSIT - 101	Computer Fundamentals
2.	A0402	MSIT - 102	Programming in C
3.	A0403	MSIT - 103	C++ & Data Structures
4.	A0404	MSIT - 104	Web Technologies
5.	A0405	MSIT - 105	Operating Systems
6.		MSIT - 106	Communication & Soft Skills
7.		MSIT - 107	Software Lab I (C & C++)

Semester - 2

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0406	MSIT - 201	Computer NMetworks
2.	A0407	MSIT - 202	RDBMS
3.	A0408	MSIT - 203	Software Engineering and Project Management
4.	A0409	MSIT - 204	Visual Basic Programming
5.		MSIT - 205	Project (RDBMS & VB) & Viva

Semester - 3

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0410	MSIT - 301	C# with.NEt
2.	A0411	MSIT - 302	Operating System Administration with Windows 2000
3.	A0412	MSIT - 303	Advance Web Development
4.	A0413	MSIT - 304	WAP and WML
5.	A0414	MSIT - 305	Java Programming
6.		MSIT - 306	Software Lab II (C# & Java)
7.		MSIT - 307	Software Lab III (Web Design & WML)

Semester - 4

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0415	MSIT - 401	Linux Administration
2.	A0416	MSIT - 402	Database Administration
3.	A0417	MSIT - 403	Management Information System
4.	A0418	MSIT - 404	Advance Java Development
5.		MSIT - 405	Project (Advanced Java) & Viva
6.		MSIT - 406	Software Lab IV (Network Administration)

Eligibility - Graduation in any stream or equivalent

Duration - 2 Years

Note : Students seeking Lateral Entry admission to 2nd Year of M.Sc. (IT) will follow the curriculum for 3rd and 4th semesters as mentioned above

Advance Diploma in Hardware and Networking Technolog - ADHNT

Semester - 1

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0101	ADHNT-101	Fundamentals of Information Technology & Operating Systems
2.	A0102	ADHNT-102	Basics of Electronics & Microprocessor
3.	A0103	ADHNT-103	Pc Assembling & Troubleshooting
4.	A0104	ADHNT-104	Programming in C
5.		ADHNT-105	Communication & Soft Skills
6.		ADHNT-106	Hardware Lab-I (PC Assembling & Troubleshooting)

Semester - 2

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0105	ADHNT-201	Computer Networks
2.	A0106	ADHNT-202	Windows 2003 Server Administration
3.	A0107	ADHNT-203	Linux Administration
4.	A0108	ADHNT-204	Database Administration
5.		ADHNT-205	Software Lab- 1 (Windows 2003 Server & Linux)

Eligibility - 10+ 2 in any stream or equivalent

Duration - 1 Year

* Offered only at limited centres

Post Graduate Diploma In Computer Application - PGDCA

Semester - 1

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0401	PGDCA-101	Computer Fundamentals
2.		PGDCA-102	Programming in C
3.	A0402	PGDCA-103	C++ & data structures
4.	A0403	PGDCA-104	Web Technologies
5.		PGDCA-105	Operating Systems
6.		PGDCA-106	Communication & Soft Skills
7.		PGDCA-107	Software Lab-I (C & C++)

Semester - 2

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A1206	PGDCA-201	Computer Networks
2.	A1207	PGDCA-202	RDBMS
3.	A1208	PGDCA-203	Software Engineering & Project Management
4.	A1209	PGDCA-204	Visual Basic Programming
5.		PGDCA-205	Project (RDBMS & VB) & Viva

Eligibility - Graduation in any stream or equivalent
Duration - 1 Year

Instructions for the payment of fee :
The fee installment of the next semester has to be paid before the dates communicated by the University. The first installment has to be paid at the time of Admission. If the selected candidate does not deposit his/her fee at the time of Admission, the seat will be alloted to the next candidate.

Master of Computer Applications - MCA

Semester - 1

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0501	MCA-101	Introduction to Information Technology
2.	A0502	MCA-102	Programming in C
3.	A0503	MCA-103	Accounting & Financial Mgmt.
4.	A0504	MCA-104	Computer Mathematical Foundation
5.	A0505	MCA-105	System Analysis and Design
6.		MCA-106	Communication & Soft Skills
7.		MCA-107	Software Lab-I (IT)
8.		MCA-108	Software Lab-II (C)

Semester - 2

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0506	MCA-201	Management Information System
2.	A0507	MCA-202	Object Oriented Programming Using C++
3.	A0508	MCA-203	Data Communication & Networks
4.	A0509	MCA-204	Principles of Management
5.	A0510	MCA-205	Introduction to Micro Processor
6.		MCA-206	Software Lab-III (C++)
7.		MCA-207	Hardware Lab-I (Micro Processor)

Semester - 3

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0511	MCA-301	Computer System Architecture
2.	A0512	MCA-302	Data Structures
3.	A0513	MCA-303	Visual Basic Programming
4.	A0514	MCA-304	RDBMS-I
5.	A0515	MCA-305	Computer Based Optimization Methods
6.		MCA-306	Software Lab-IV (DS)
7.		MCA-307	Software Lab-V (RDBMS-I)

Semester - 4

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0516	MCA-401	RDBMS-II
2.	A0517	MCA-402	Software Engineering
3.	A0518	MCA-403	System Software
4.	A0519	MCA-404	Operating System
5.		MCA-405	Elective-I
6.		MCA-406	Software Lab-Vi (RDBMS)
7.		MCA-407	Software Lab-VII (OS) (Linux/NT)

Semester - 5

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0521	MCA-501	Computer Graphics
2.	A0522	MCA-502	Java Programming
3.	A0524	MCA-503	Elective-III
4.	A0523	MCA-504	Elective-II
5.		MCA-505	Software Lab-VIII (Graphics)
6.		MCA-506	Software Lab-Ix (Java)
7.		MCA-507	Comprehensive Viva Voce

Semester - 6

Sr. No.	Paper ID	Subject Code	Subject Name
1.		MCA-601	Project

Eligibility - Graduation in any stream or equivalent
Duration - 3 Years

Specialization Subjects

Specialization Type: Elective-I

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0525	MCA-405-A	Artificial Intelligence
2.	A0526	MCA-405-B	Robotics Engineering
3.	A0527	MCA-405-C	Object Oriented Analysis & Design

Specialization Type: Elective-II

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0528	MCA-503-A	Internet Programming & E-Commerce
2.	A0529	MCA-503-B	Compiler Design
3.	A0530	MCA-503-C	Visual Basic .Net

Specialization Type: Elective-III

Sr. No.	Paper ID	Subject Code	Subject Name
1.	A0531	MCA-504-A	System Simulation & Modeling
2.	A0532	MCA-504-B	Advanced Microprocessor Systems
3.	A0533	MCA-504-C	Linux Operating System

PTU Learning Centres

Kolkata :
Moulali : ☎ 22651238/22275671

Sealdah : 47, Surya Sen Street (Beside Sealdah Jagat Cinema, 2nd floor on Panna Hotel) Kolkata - 9 ☎ 23606144/65203773

Salt Lake : BB-26, Near PNB Island, Beside Syndicate Bank, Sector - I Kolkata -64 ☎ 9874747036

Baghajatin : 17No. Raja Subodh Mullick Road, (2nd Floor), Baghajatin Bus Stop, Beside Jadavpur Sammilito Balika Vidyalaya, Kolkata -86 ☎ 24259074

Centre Sinthi : 4/2, Centre Sinthi Road, Former Baranagar Ramkrishna Mission Chhatra Sangsad Charitable Trust Building (Near Centre Sinthi Sporting Club) Kolkata -50 ☎ 9874747135

24 Parganas (North) :
Barrackpore: Barrackpore Municipality Building,Talpukur, B.T.Road, Barrackpore ☎ 25944025/ 25451538

Sodepur HB Town : "Basundhara", B-1 Purbayan Cinema, (1st Floor) Beside Panihati College, Opp Padma Cinema Hall ☎ 9874747038

Nadia :
Shantipur Sadar : 70/3, Netaji Subhas Road, Baigachhi More, Near Santipur College, Opposite BSNL Tower ☎ 279192

Howrah :
Howrah : 32, G. T. Road (South), Dulal Ch. Sen Market, 4th Floor, (Near Bangabasi Cinema), Howrah - 1 ☎ 26412692/26404542

Hooghly :
Bandel Sadar : Radharani Apartment, Bandel Bazar, 1st Floor (Beside Allahabad Bank), Near Bandel Station ☎ 26311165

Burdwan :
Durgapur : 2nd Floor, City Centre, SBSTC Bus Terminas Complex, Durgapur - 16 ☎ 2546323/2543739

Bankura :
Bankura : Natun Chati, Opposite Sarodamani Girls' College, 3rd Floor of Axis Bank ☎ 254830

Malda :
Malda Sadar : 13/50 Rabindra Avenue, (Beside Pabna Sweets, Opposit Govt. Employee Building), ☎ 223611/223690

Uttar Dinajpore :
Raiganj : Priti Apartment, (1st Floor), Bakultala, M. G. Road, Near SBI Raiganj Branch ☎ 241142/9874747033

Dakshin Dinajpore :
Balurghat : "Subhanan Bhawan", Upstair of Bangio Gramin Bikash Bank, Beside Red Cross Building ☎ 256575/9874747032

Darjeeling :
Siliguri : 80, College Para, Near College Ground, Beside Shuvam Apartment ☎ 2539994

Jalpaiguri :
Jalpaiguri: ☎ 220545/224796

Maynaguri: Durgabari More, Pasteur Laboratory (2nd Floor) ☎ 234367

Aliporeduar: SBI Main Branch (2nd Floor) College Halt, Aliporeduar ☎ 9874747034

Coochbehar :
Coochbehar : 'Atithi Nibas', Kachhari More, Coochbehar ☎ 228925

Tufanganj : 'Antaranga Market Complex' (1st Floor) Beside Tufanganj Municipality Building ☎ 244317

Haldibari : Haldibari Municipality Building (1st Floor) P.O - Haldibari, Coochbehar ☎ 264053

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Youth Computer Training Centres

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