TECHNICAL EDUCATION

Delhi has become a knowledge city besides being an Educational Hub with a wide network of technical and professional institutions. It attracts students from all parts of the country as well as from a number of other countries. In the field of professional and technical education, Delhi has 107 Degree and PG level Professional and Technical Education Institutions affiliated to GGSIP University, Delhi University and other Universities. There are 21 Diploma Level Institutions which includes 12 Govt. /aided Polytechnics Institutions and 9 Private Sector Institutions. The number of Certificate Level Institutions in the form of ITIs and ITCs were 73 in 2011-12 which includes 17 Govt. I.T.Is and 56 Private Sector Industrial Training Centres.

Directorate of Training & Technical Education is entrusted with the responsibility of providing Trained Technical manpower through a wide network of technical education infrastructure network and has been making systematic planning, developing policies relating to technical/vocational education linked with planned and systematic expansion for appropriate industrialization growth of the NCT of Delhi.

This Sector has a total plan outlay of ` 199 crore in Annual Plan 2013-14. Major allocation in this year includes grant of ` 60 crore for Delhi Technical University, ` 24 crore for NSIT, ` 10 crore for Indira Gandhi Technical University for Women and loan of ` 10 crore for IIIT. All the Autonomous Institutes have been requested to become self sufficient in meeting their recurring liabilities out of internal income generation and Govt. would continue to support the capital expenditure for modernization / expansion /development of infrastructure of the Institutes. Besides, an amount of ` 7 crore is proposed for setting up of new Polytechnics / renovation of existing Polytechnics. Major construction projects for building of Academic Block of DPSARU at DIPSAR has been planned with an allocation of ` 27 crore. Ambedkar Institute of Advance Communication Technologies and Research has planned for construction of Hostel and Residential complex has been given a budget of ` 5 crore.

I.   DIRECTION & ADMINISTRATION

1.   Modernization of DTTE

Annual Plan Outlay 2013-14   :   ₹ 100 Lakh

To keep pace with the increasing workload and to efficiently handle the administrative responsibility, Directorate of Training & Technical Education is required to augment its manpower strength. Various administrative services are required to be delivered smoothly and efficiently through computerization / automation of service delivery mechanisms.

Department is in the process to connect all the Polytechnics under its control through networking. For the purpose of effective monitoring of the functions of various Polytechnics and based on the recommendation of Delhi Knowledge Commission all the libraries of Polytechnics will be digitalized and connected through DELNET. For this purpose all the Polytechnics are required requisite software/hardware for the purpose of digitalization and membership of DELNET will be required. The subscription fee of membership is being revised by DELNET regularly.

At present only 9 Polytechnics are under the control of DTTE. Based on the recommendation of MHRD Govt. of India, Department is in the process to open some more Polytechnics in NCT of Delhi for the benefit of the students. A proposal for providing land is under consideration of DDA for allotment of land for atleast 5 new Polytechnics.

2.   Board of Technical Education

Annual Plan Outlay 2013-14   :   ` 280 Lakh

The Board of Technical Education, established in 1961,   is conducting diploma level examinations in various Engineering and Non-Engineering courses being run by the government and privately managed affiliated institutions. In addition, the Board is also entrusted various other activities like revision of curriculums, affiliation of privately managed institutes and monitoring there off.   Full time diploma courses in 31 disciplines and part time diploma courses in 05 disciplines are under the control of BTE. To improve the working of the Board, following schemes/ programme are proposed to be implemented.

To improve the functioning of the Board with transparency and efficiency, autonomy is essential for the Board of Technical Education. The BTE still depend on a very old manual system for preparation/declaration of result, preparation of mark-sheet, of diploma etc. The result section tackle approximately one lakh copies and their marks are processed. Now it is not possible to process the result quickly manually with old system and present staff strength. Hence, it is proposed to modernize the entire working of Board with fully automation. It is exploring the possibilities to engage an agency named Maharashtra Knowledge Corporation Ltd. to impart training to the manpower for efficient management of the Board activities. Revision of Curriculum according to present demand of Industries in the State is another area which needs attention.

 At present, the office of Board of Technical Education has been functioning from Department of Training and Technical Education and needs separate space for proper working environment.

3.   Re-organization & Restructuring of existing facilities in Polytechnics

Annual Plan Outlay 2013-14   :   ` 1200 Lakh

Based on the blue print of the action plan of the Delhi Government for the implementation of the National Knowledge Commission recommendations, the department aims to strengthen its polytechnics and to develop them on the Community College model with an MES kind of certification structure and by upgrading them to Degree College. The Kasturba Polytechnic for Women and the Ambedkar Polytechnic are proposed to be upgraded to Degree Colleges. Efforts are underway to revitalize polytechnics by upgrading infrastructure, improving training quality, creating posts and developing them into centre of excellence with industry partnerships. A discipline specific Polytechnic focusing on health and bio-medical sciences is being developed at Dwarka. The department also aims to provide autonomy to its Polytechnics, which

witnessed a recent 50 per cent increase in the seats, through addition of students in existing classes and by adding an evening shift of classes for better utilization of the infrastructure. To revitalize and motivate the faculty system to enable them to tackle the challenges posed in the ever-growing field of technology, AICTE schemes being implemented from time to time. To bridge the gap between theory and practice Production cum training facilities proposed to be started.

The scholarship is being provided under two schemes viz Merit Scholarship and Merit-cum-Means Scholarship for meritorious students and students belonging to economically weaker sections of the society studying in the Government institutions under the Department of Training & Technical Education.

4. **Replacement and modernization of machinery and equipment, continuing education and Centre of Excellence**

Annual Plan Outlay 2013-14 : ` 225 Lakh

Access to the use of sophisticated and advanced control system by students is a must for increasing the technical competence and skill enhancement. The objectives of the scheme are as under:-

- To replace the obsolete and outdated machinery and equipment which have out lived its life with the latest type.
- Networking of all institutes
- To provide additional modern/ sophisticated equipment due to advancement in technology/change in syllabus.
- To equip the laboratories and workshop with support facilities matching with the equipment procured.
- Setting up of Communication Skills Labs.
- Setting up of World Class test houses
- Setting up of labs enabling students to get dual certification.
- Setting up of Language Labs (English Speaking, writing Skills etc.)
- Networking of institutes through leased line connectivity, for internet access, and other common application usages.
- Development and procurement of e-learning material.
- Continuing Education Programmes
- Starting of part time diploma courses
- Starting additional courses
- Starting of Short term Courses
- Enabling students to get additional certification.
- Training for staff from the Industry

Entrepreneurship Development Programme

Entrepreneurship Development Programme has been recognized as an effective human resource development tool. This programme is primarily meant for developing the first generation entrepreneurs with the objective:

- To inculcate entrepreneurship values and providing training inputs.
- To organize entrepreneurship resource camps.
- To introduce curriculum on entrepreneurship development as an elective subject.
- To organize short-term courses by inviting experts from organizations to provide necessary guidance to students.
- To set up their own industries.
- Arranging industrial visits for students.
- Industries contacting institutes for recruitment.
- Teachers deputed for QIP in industry.
- Inviting people from the field for guest lectures.
- Industrial/ in plant training of students.
- Exchange of staff
- Consultancy provided by institutions

Industry Institute Interaction

In order to increase the placement avenue for the students pursuing their study in various polytechnics under DTTE. A Job fair is being organized by calling various industries. And this event is organized annually so that maximum possible students can get direct employment through job fair.

5. <u>**Facilities to students of SC/ST/OBC/Minorities Communities (SCSP)**</u>

Annual Plan Outlay 2013-14   :   ` 11 Lakh

The scheme is ongoing scheme for the benefit of SC/ST/OBC/Minorities students. Under this scheme SC/ST/OBC/Minority students of various polytechnics who are pursuing the courses in various disciplines are provided stationary/text books/scientific calculators etc. free of cost. The quantum of assistance depends upon the strength of total students and availability of allotted budget to the institute.

Under this scheme requisite items are provided on the basis of requirement received from the students of this community without considering the income of the parents.

The objective of the scheme is to motivate the students of this community so that they may not depend on their parents for extra financial burden. Under this scheme polytechnics are also conducting extra classes for the welfare of students of this community.

6. <u>**Setting up of new Polytechnics and Renovation/ Addl./Alteration in the Existing Institutional Buildings**</u>

Annual Plan Outlay 2013-14   :   ` 700 Lakh

This is ongoing scheme. The plan funds under this scheme is provided under "Major Head 4202" included in demand no. 11 to PWD for construction of building for new polytechnics and renovation/alteration of the various polytechnics and residential campus under the Department of Training and Technical Education.

Some of related works are as under:

- Maintenance of all buildings including staff quarters.
- Air-conditioning of Labs
- National / International standard conference rooms, seminar halls etc.
- To carry out all building and campus related works.
- Vertical Expansion of existing building
- Construction of new buildings

7. **Expansion of existing facilities in Bhai Parmanand Institutes of Business Studies**

Annual Plan Outlay 2013-14 : ` 140 Lakh

The institute has been upgraded as a management institute and started new UG/PG courses i.e. Master in Business Administration (MBA), Bachelor of Business Administration (BBA) and simultaneously increased the intake of students in Master of Computer Applications (MCA) as well.

Institute has purchased the latest machinery and equipments. Classrooms are equipped with the LCD Projectors and Visualizes as Teaching Aids. BPIBS has also purchased Interactive Boards and Interactive Panel. These electronic gadgets are meant for adopting effective pedagogical system to the day-to-day teaching-learning process for the students and all the facilities are provided in a phased manner.

BPIBS Library has procured National and International Journals like- Foreign Trade Review, Global Business Review, Harward Business Review, Indian Journal of Marketing, Journal of Discrete Mathematical Sciences & Cryptography, computer journal and Books. Library is poising for getting a fully digitized Library equipped with E-Grantalaya Software for complete automation of Library with Bar Code Facility.

The physical target for 2013-14 are as under:

- Up-gradation/Digitization of Reading Room with facility to access E-content.
- Setting up of requisite infrastructure for new courses as the curriculum (like tutorial room, digital class room examination cell, academic cell etc.).
- Purchase of latest Machinery and equipment as per the curriculum of courses.
- Setting up of new Laboratories as per the curriculum for new course and existing course respectively.
- Digitization of Class Rooms.
- Up-gradation of existing Computer Labs with latest Software and Peripherals to suit the need of students/courses.
- Develop New Computer Labs with latest Software and Peripherals for MBA and BBA Programme.
- Development of Training & Placement cell.

8.   Staff Development

Annual Plan Outlay 2013-14   :   ` 30 Lakh

Main objective of the staff development activities is to upgrade the expertise, qualifications and capabilities of the faculty members of various levels of technical Institutes/Polytechnics by capacity building as per the AICTE recommendations. Funds for following activities are provided for development of capacity building of the members of faculty at degree/diploma level institutes as per recommendation of AICTE.

9.   Indraprastha Institute of Information Technology

Plan Outlay
Annual Plan 2013-14   :   ` 1000 Lakh (Loan)

The Indraprastha Institute of Information Technology, Delhi (IIIT-D) was established as a State University in 2008 by an act of Delhi Government (The IIIT Delhi Act, 2007). It started functioning in the year 2008 with an intake of just 60 students in B.Tech (CSE) from the premises of NSIT. Institute has started functioning from its own permanent campus at Okhla since August 2012. Presently Institute is running B.Tech, M.Tech and PhD in CSE and ECE and having a total student strength around 540. The aims of the Institute are:

- To carry out advanced research and development in information and software technologies, and in leveraging IT in specific domain areas.

- To train & educate at both undergraduate and post graduate levels, engineers of outstanding ability who can become innovators and new product creators.

It aims to encourage innovation and entrepreneurship in specified domain areas of IT. Towards this end is plans to organize itself as a conglomerate of R &D centers, some of which would be in partnership with different companies and global organizations.
The project cost of 1st phase is ` 99.99 crore. ` 150 crore has been released to the institute as loan upto March 2013.

10.   Takniki Shiksha Sansthan Kalyan Samiti

Annual Plan Outlay 2013-14   :   ` 15 Lakh

This is an ongoing scheme. The objective of this scheme is to provide representation of local area citizens, parents/Students/staff under the Bhagidari Initiatives of Govt. of Delhi. A committee in all institutes is constituted comprising of local industrialist, Principal, student, senior staff, and other personalities to look after the day to day work of the respective institutes such as:

- Minor Repair work of equipments
- Repair of Building
- Maintenance of Equipment
- Miscellaneous works related to the respective institutes.

An amount of ₹ 2.00 Lakh is provided to all institutes under this scheme, and power is delegated to the principal concerned after approval of the committee.

11. **Technical Education Community Outreach Scheme**

Annual Plan Outlay 2013-14 : ` 20 Lakh

The aims of the TECOS are:-

• To deliver training programme and to develop a low-cost solution to the growth of high quality skills among the impoverished.
• To provide training in those areas, which have a good demand and trained persons may be enabled to get employment or self-employment easily.

This scheme is therefore an effort for harmonizing the livelihood needs of the impoverished and the production oriented requirements of manufacturers and service provider agencies.

The main objective of this scheme is to meet the growing demand of vocational training due to large influx of migrant population in Delhi. Training under this scheme is being imparted through selected NGOs on the pattern of Modular Employable Skills (MES) scheme of DGE&T, Government of India. The MES scheme is flexible in terms of instructional hours, vertical mobility in the sector and the training programmes of short duration.

This scheme is advantageous in terms of investment in the vocational training educational system as it does not need large amount of investment for building of formal institutes. This scheme being implemented through NGOs who arranges suitable venues and course specific infrastructure and thus, becomes cost effective.

Department of Training & Technical Education invited various NGOs through public notice. In this process 26 NGOs where shortlisted and out of which 17 NGOs were running their training programme since 2008-09, 14 NGOs were provided assistance in 2009-10 and 12 NGOs in 2010-11. Various training programmes in trades like Tailoring, Cutting, Dress Making, Hospitality, Computer Fundamentals, Salesmanship in Retail, Mobile Repairing, Printing etc in slum/JJ clusters/rural areas of Delhi are conducted by these NGOs.

In the second round for extension of the TECOS, the final process of selection of NGO, 20 NGOs are recommended by Selection cum Screening Committee (SSC) 06 existing NGOs are recommended for allocation of additional courses in the year 2010-11.

12. **Introduction of New Courses**

Annual Plan Outlay 2013-14 : ` 15 Lakh

Department has approved the course of BBA in office management on the recommendation of AICTE in two Polytechnics and if needs be extended to other institutes who are affiliated through GGSIPU in the following disciplines.

- Computer Application
- MLT
- Office management etc.

The expenditure on the account of following is to met under this scheme:

- Additional requirement of infrastructure
- Payment to faculty engaged on contract basis, regular and guest faculty.
- Library Books
- Stationary Requirement
- Any other requirement for running of these courses.

B. **DELHI TECHNOLOGICAL UNIVERSITY**
 Annual Plan Outlay 2013-14   :   ₹ 60 Lakh

Delhi College of Engineering was reconstituted as Delhi Technological University vide Delhi Act 6 of 2009 w.e.f. July 2009 onwards. With the up-gradation into DTU, the university has been bestowed with much greater responsibility and accountability along side with freedom to excel and serve the interest of the talented community, industry and the society.

1. **Capital Works (Building Construction)**

Annual Plan Outlay 2013-14   :   ₹ 1200 Lakh

 The DTU has of today 43944 sqmtrs built up space, comprising academic teaching departments, library, computer centre, students hostels, staff residences in 165 acres well developed lush-green campus. Soon after becoming a Technological University, 04 new B.Tech & & 06 new M.Tech programs in the emerging areas of science and technology were added from 2009-10to meet the growing demand of quality manpower for industries. In addition, a school of management was established in DTU to cater for MBA program in the areas of knowledge and innovation and management.

 With the continuous growth of intake capacity, second phase of construction covering 34454 sq. mtrs of area is proposed to be taken up with the priority of constructing girls hostel, boys Hostel and new teaching block during 2013-14 onwards as well as maintenance and repair of on-going projects.

2. **Modernization of Machinery & Equipments and Modern Computer Centre / Networking Programme**

Annual Plan Outlay 2013-14   :   ₹ 800 Lakh

The existing Laboratories required to be modernized to cater to the needs of the students and setting up of new labs especially for new courses are to be initiated by the academic departments. Therefore the major thrust will be on purchase and procurement of latest equipments and tools for different labs at departmental level. Procurement of raw material used by different labs is also ongoing process throughout the year.

Brief summary of the expenditure:

i.   Purchase of machinery/equipment for Labs etc.
ii.   Modernization of existing labs

To meet the growing demands of present day technology, DTU has started post graduate studies in information systems from the year 2009-2010, with an annual intake of 21 students. Department of IT is starting a new laboratory named as "Biometric lab". Biometrics deals with Physiological and Behavioral data of human beings (or livings species in broader sense), which is one of the most authentic data.). Future plans for advancement & expansion of the research in the areas of information security, computer networks, optical communication, knowledge discovery in databases and other IT related fields shall be undertaken.

The main programmes for 2013-14 are as under:

- To set up local LAN's in all the departments and extending the LAN of the departments by a canopy based wireless system to interconnect all the buildings including academic, administrative, residential, hostel etc.

- Increasing the bandwidth of the internet speed to meet the demands of academic and research.

- Deploying IT based services for the workflow and academic activities and to ensure E-Governance

  The expenditure will be incurred on purchase of hardware/ software, AMC of electronics, IT equipments etc.

3.   **Faculty Development/ Student Welfare**

Annual Plan Outlay 2013-14   :   ` 25 Lakh

DTU by virtue of its reputation for quality education, research & innovation attracts highly skilled and experienced and faculty for its academic departments. Besides teaching the faculty members have been actively involved in various research and professional activities like member of editorial boards of leading journals. Therefore, following development programs are proposed for the faculty. The faculty members have published a large number of research papers in reputed national & international journals, conferences / Workshops etc. proceedings/workshops etc. A large chunk of faculty members have also received prestigious awards from the various reputed societies /Govt. organizations and are on the rolls of their advisory boards.

- Organization of seminars.
- Membership international conferences
- Institutional membership.
- Individual membership.

As a sequel to increase of intake effective from 2009 onwards, the facilities to the students have also been upgraded especially those who are residing in the various hostels. The capacity of the Hostel of all the 17 Hostels have gone up to 1710 (1310 boys+ 400 girls)., Each hostel is now well equipped with all basic facilities like Solar Water Geezers, TV with Cable Connection, Common rooms and provision for all indoor games including reading rooms etc. With a view to ever increasing demand of hostel accommodation, it is now proposed to construct new boys & girls' hostel.

A large number of leading industries and organizations visit the campus each year for campus placement. The batch graduating in 2012, has received 725 offers from highly reputed 165 industries/ organizations which visited DTU campus during the academic year 2011-12.

4. Book Bank & Library Innovations

Annual Plan Outlay 2013-14 : ` 100 Lakh

The Central library of DTU has a very rich collection of print as well as electronic books and journals satisfying the information needs of the faculty and students. Keeping in view the fast changes in technology, the knowledge base of the library is updated regularly. Some new services and sections are also being started to make the library services of ISO 9001 standard like on-line database, automation of library & services.

Departmental libraries will be strengthened to cater instant needs of text books and necessary reference material for students, research scholars, and staff and faculty members. New departmental libraries are to be established in the upcoming departments.

The following program has been proposed for 2013-14 to strengthen the library:
a) Digitization of the library resources
b) Up-gradation/Replacement of Electronic surveillance systems.
c) Furniture for library
d) Books & E- Journals

5. Scholarship & Stipends

Annual Plan Outlay 2013-14 : ` 300 Lakh

The University has been making payment towards scholarship/stipend at approved rates.

6. Examination Cell

Annual Plan Outlay 2013-14 : ` 30 Lakh

After the upgadation of DCE into DTU w.e.f. July 2009 onwards, the University has introduced series of new courses both at the UG and PG level programs resulting into increase of intake from 670 in 2008 to 1531 in 2012-13 for UG & from 162 to 424 for PG courses 50 seats are available at the Ph.D level. University has started conducting its own end-semester examination along with declaration of results and issuance of mark-sheet to the newly admitted students under DTU. Thus the University is required to create additional infrastructure in terms of space and manpower to carry out the examination related activity without any hindrances.

7.   Technical Education EDUSAT NETWORK

Annual Plan Outlay 2013-14   :   ` 0.60 Lakh

Edusat studio cum class room has also been established with print support of ISRO and Govt. of Delhi, the facility is connected to 51 institutions in the NCT of Delhi. The facility is being currently utilized for transmission of on-line lecture to the connected institutions and for broadcast of recorded expert lectures, seminars and workshops.

TEACHING WITH AUDIO-VIDEO AIDS

There will be two types of teaching facilities in the network, which will include studio (with students- live class room), based teaching facility and virtual classroom based teaching facility.

At present, the following facilities are existing in EDUSAT studio:-

3 digital cameras setup, camera control unit, video switcher audio miner, lighting controls, 3 VTRs, Non linear editing system, wave form monitors and video monitors, microphones, Systems having inbuilt video switcher, audio mixer, character generator, editing facility. Having various facility like analog and digital video and IPLOPS balanced and unbalanced input/output for audio, including virtual set creator, live streaming and live O/P for telecast.

It is proposed to procure the system for outdoor coverage's, which includes audio and video switcher, character generator and monitoring facilities with various inputs/output format including cameras capable to record in HD (High Definition), and SD (Standard Definition) formats. It is also proposed for classroom studio with complete studio facilities like camera, audio monitoring, video switching and all state of art facilities.

Major Component

1.   Modernization of Studio etc.
2.   Purchase of equipments for effective video conferencing
3.   Payment to outsource

8.   Direction & Administration

Annual Plan Outlay 2013-14   :   ` 3544.40 Lakh

With continuing growth of DTU and introduction of new courses, it is necessary to strengthen the various academic departments, administration, accounts, planning and hostel administration

Major Component

1. Salary of Teaching Staff
2. Salary of Non-Teaching staff etc.
3. Administrative Expenses

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

Annual Plan Outlay 2013-14   :   ` 24 crore

Netaji Subhas Institute of Technology was established in July 1983. Formerly it was known as Delhi Institute of Technology (DIT). The institute was started as a government college and was later on converted into an administratively autonomous institution in 1986 under Govt. of NCT of Delhi. The institute is affiliated to the Delhi University and provides Hi-Tech courses in the emerging areas of technology at UG, PG and Ph.D levels.

The institute would focus on introduction of new masters programs in engineering and technology as well management, strengthening of centers of excellence already created; innovative R&D programs, sponsored research and product development, strengthening of ongoing collaborative research programs with reputed industries development of STP and entrepreneurship programs.

PROPOSED ACTIVITIES

New M.Tech Programmes

(i)   M.Tech in Mechatronic Systems
(ii)   M.Tech in Industrial Electronics & Automation
(iii)   M.Tech. in Bio-Medical Engineering
(iv)   M.Tech in Bioformatics .
(v)   M.Tech in Production and Automation Engg.

1.   LIBRARY, FACULTY, DEVELOPMENT & STUDENT WELFARE

Annual Plan Outlay 2013-14   :   ` 1450 Lakh

(a)   Strengthening of NSIT

*   Strengthening and improvement of UG,PG and Ph.D programmes, introduction of new courses at various levels and increase of intake in various programs as per the requirements and needs of NCT of Delhi

*   To facilitate academic interaction in specialized areas by inviting faculty members drawn from industry, R & D organizations, Govt. departments and other reputed academic institutes etc

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- Smooth functioning of the offices, departments etc in the institute

(b) Library & Book Bank

Proposed physical Targets for 2013-14

1. On-line full text journals, print Journals
2. Print and on line Books
3. Bibliographic databases
4. Printing & Binding
5. Furniture and IT equipments
6. up gradation of existing software, purchase of new software

(c) Faculty Development & Students Welfare

To establish linkage between the institute, industries, R&D organizations and other universities/ institutes of higher technical education for teaching and research programs in India and abroad. The faculty members and vice versa with outsiders need to attend conferences, seminars, workshops and training programs. This may go in a long way to develop, motivate and enhance knowledge.

Sponsorship to faculty members, Ph.D. research scholars, M.Tech and BE students for attending conferences as well as workshops, organizing seminars and participating in career council activities are under taken under the scheme.

The teachers and equivalent cadres of government degree level technical institutes/ government Aided Degree level technical institutes are entitled to the grant of professional development, new faculty as well as existing.

2. PROCUREMENT OF MACHINERY & EQUIPMENTS

Annual Plan Outlay 2013-14   :   ₹ 300 Lakh

To keep pace with the expanding academic activities, it is proposed to establish a chain of advanced laboratories in addition to modernizing the existing one. New branches of academic programs in Post Graduate streams are to be started shortly. Procurement of lab equipments/machinery and other infrastructure are required to strengthen the institute/ departments.

3. AWARDS / SCHOLARSHIP / RESEARCH ASSOCIATESHIPS

Annual Plan Outlay 2013-14   :   ₹ 75 Lakh

The merit-cum-means scholarships are being provided to the eligible students. Certain awards are also extended to deserving students. Associate-ships according to U.G.C norms are also being awarded.

4. CENTRE FOR ELECTRONICS DESIGN & TECHNOLOGY (CEDT)

Annual Plan Outlay 2013-14   :   ` 10 Lakh

The CEDT was established in August 2003, in space provided by the ECE Division. Recently, it shifted to a larger laboratory. CEDT has completed major projects viz CPLD based digital experiment board, smart conference tag, internet controlled robot, talking thermometer and clock, biometric voting machine, attendance register system, real time audio spectrum analyzer, power generator for portable applications, battery-less TV remote, Ethernet to RS-232 bridge and Rural LED lantern.

CEDT has also organized numerous workshops in Embedded Systems Design for the students of NSIT as well as for other colleges and more than 500 students trained on various aspects of embedded system.

To continue and strengthen the creative activities of the Centre, the facilities at the CEDT need to be strengthened by acquiring the equipments/ facilities.

5. SCIENCE AND TECHNOLOGY ENTREPRENEURSHIP PARK (STEP)

Annual Plan Outlay 2013-14   :   ` 2 Lakh

Science and Technology Entrepreneurship Park is envisaged to house research and development (R&D) units of Indian and Multi-National companies provide incubation facility for students/ start-up firms and serve as knowledge hub in the National Capital Region. The objective of the scheme are as follows:

a.   Direct interaction with the industrial enterprises through their association and encourage students to under take development wok for them. STEP will support such development work financially also.

b.   Arrange short duration training courses and week-end workshops for students on management/ technology related topics.

c.   2-3 days meets of engineering students in which they share their experiences in industry with students from other engineering college and institutions.

d.   Identify talented students and help them develop as entrepreneur.

e.   Holding of workshops and seminars for generation of newer ideas and for increasing participation from all partners viz industries, academic/ research institutions and financial institutes.

f.   Any other activity which encourages entrepreneurship amongst students.

6. CONTINUING EDUCATION PROGRAMME (CEP)

Annual Plan Outlay 2013-14   :   ` 15 Lakh

Under Continuing Education Programme (CEP), the institute has been conducting various short term courses in the area of electronics and computer primarily for the benefit of technical teachers, scientists, working engineers and weaker section of society to make them abreast of the latest developments in the field of Science & Technology.

7.   CAPITAL WORKS

Annual Plan Outlay 2013-14   :   ` 400 Lakh

AIMS & OBJECTIVES

1.   Pathway and pavement/ development of guest house. Providing centralized air conditioning system in library building at NSIT. D.G set for library building and guest house.

2.   Maintenance/ renovation of existing buildings and other infrastructures. Horticulture work and external service etc.

8.   COACHING   FACILITIES   TO   SC/ST/WEAKER   STUDENTS/TRAINING PROGRAMME

Annual Plan Outlay 2013-14   :   ` 15 Lakh

To help candidates of SC/ST and other backward classes in improving their theoretical and practical skills in order to improve their employability, and in some cases to inculcates the importance of entrepreneurship so that they can develop means for improving their livelihoods as well as quality of life. Special courses viz computer literacy and English speaking course are being conducted.

Targets for 2013-14

1. Computer literacy and English speaking course
2. Computer hardware course
3. Personality development
4. C & C++ and other programmes
5. VB, Java, Net, Oracle
6. Foreign language course
7. Networking

9.   INSTITUTE NETWORKING SCHEME (INTERNET / INTRANET)

Annual Plan Outlay 2013-14   :   ` 130 Lakh

Institute networking scheme requires budget to meet broadly three types of system requirements.
i.   Maintenance and expansion of existing networking   Infrastructure
ii.   Internet Access Tariff
iii.   Networking Application Servers and their maintenance

10.   SCIENCE & TECHNOLOGY PARK

Annual Plan Outlay 2013-14   :   ` 1 Lakh

Government of NCT of Delhi and NSIT (NSIT) proposed to set up a Science and Technology Park in Dwarka, New Delhi. This park is envisaged to house R&D units of Indian and MNC firms provide incubation facility for students / start up firms and serve as a knowledge hub in the National Capital region. This platform would further act as catalyst in the proposed mechanism for academic industry interaction.

The total land areas within the NSIT campus available and earmarked for this project are approx. 30 acres on which about built up area of 2million sq.ft. could be development. However as per the BOG in its 34th meeting the work of implementation of science and technology park at NSIT has been deferred presently for the time being till the economic recession is over. Proposal will be re-examined based on present scenario.

11. CENTER FOR NANO TECHNOLOGY

Annual Plan Outlay 2013-14 : ` 2 Lakh

The education and training of young science and engineering graduates in the area of Nanotechnology is essential in order to ensure a flow of specialized and talented engineers into Industry. Several of the educational institutes in India and abroad have started UG and PG level programme in Nano Technology and related areas.

The proposed budget shall be utilized for conducting brainstorming sessions, meetings and faculty visits to various locations so as to plan development of this division.

D. COLLEGE OF ART

College of Art, Delhi, established in 1942, is a premier art college for advanced training in Visual Art(both creative and applied) leading to the Bachelor of Fine Art(B.F.A.) and Master of Fine Art(M.F.A.) degree in the specialization of painting, sculpture, Applied Art, Print Making, Visual Communication and Art History awarded by the University of Delhi.

The following Schemes are to be executed in College of Art.

1. Expansion of College including Construction of Additional Block

Plan Outlay
Annual Plan 2013-14 : ` 321 Lakh
    Revenue : ` 151 Lakh
    Capital : ` 170 Lakh

The construction of additional block in the premises has been completed. Interiors and other electrical including air conditioning, lift, civil and electrical work etc. will be completed in the year 2013. The Library of the College is to equipped with latest publications for meeting post graduate/research requirements etc. Further the work of renovation of library to be undertaken.

2. ACADEMIC DEVELOPMENT OF SC/ST STUDENTS

Annual Plan Outlay 2013-14 : ` 2 Lakh

Under this Scheme, eligible SC/ST students of this College are provided, study material free of cost. In addition to this, special classes are conducted for SC students. During Annual Plan 2010-11 special classes being conducted for 30 students and it is proposed to conduct special classes for 40 ST students during 2011-12.

3. INTRODUCTION OF NEW COURSES OF STUDY

Annual Plan Outlay 2013-14 : ` 1Lakh

New courses at post graduate level and under graduate level in visual communication, Print Making and History of Art has been introduced. College has already received approval for increase in intake of students i.e. 229 of BFA and 66 of MFA in all the six disciplines in BFA and five disciplines in MFA during the academic year 2012-13.

With the increase of intake of the students and introduction of new courses at BFA & MFA level, Faculty and supporting staff position will be strengthened. .

E. DELHI INSTITUTE OF PHARMACEUTICAL SCIENCEs & RESEARCH [COLLEGE OF PHARMACY]

EXPANSION OF EXISTING FACILITIES

Annual Plan Outlay 2013-14 : ` 3200 Lakh
Revenue : ` 500 Lakh
Capital : ` 2700 Lakh

Delhi Institute of Pharmaceutical Science and Research (DIPSAR) a premier institute known for its high standards in teaching and research in Pharmaceutical Science. The institute offers courses in D.Pharm, B,Pham, M, Pharm and Ph.D under University of Delhi.

DIPSAR has established Medicine and Poison Antidote Information Centre (MAPIC) in its campus and provides accurate, unbiased factual information to general public and members of the healthcare team such as Physician, Surgeons, Pharmacists, Nurses and Scientists. In addition to the laboratories meant for UG/PG routine teaching, the institute has got much state of art laboratories. The institute has hostel facility for boys and girls and guest house.

PHYSICAL TARGET

- Construction of quarters for faculty quarters

- Construction of Academic Block of DPSARU at DIPSAR

- Introduction of M.Pharma in drug regulatoryaffaira and Bio- Technology

F.   GIA TO DELHI PHARMACEUTICAL SCIENCE & RESEARCH UNIVERSITY

Plan Outlay

Annual Plan 2013-14	:	` 300Lakh
Revenue	:	` 200 Lakh
Capital	:	` 100 Lakh

Cabinet has approved to set up Delhi Pharmaceutical Science & Research University in 2008 and the bill was passed by Delhi Legislative Assembly on 10/09/2008. The first Board of Governor of DPSRU was constituted with the Hon'ble L.G. in February in 2010. The objective to set up the university is to promote teaching, research and development in pharmaceutical studies.

G.   AMBEDKAR INSTITUTE OF ADVANCE COMMUNICATION   TECHNOLOGIES & RESEARCH, GEETA COLONY

Plan Outlay

Annual Plan2013-14	:	` 1800Lakh
Revenue	:	` 1300 Lakh
Capital	:	` 500 Lakh

AIACTR was established in 2001 and functioned with the Ambedkar Polytechnic (Shakarpur, Delhi). The college is affiliated to GGSIPU, Delhi. The institute shifted in 2008 in its new campus at Geeta Colony, having an area of 8.5 acres. AIACTR started with 30 intakes each in ECE and CSE branch in 2001. Presently, it runs two UG courses viz B.Tech in ECE (120 intake) & CSE (60 intake) and four M. Tech courses in Digital Communication, Information Security, Signal Processing and RF & Microwave Engineering with 18 intake in each.

Proposed Targets for Annual Plan 2013-14

- Construction of Hostel and staff quarters
- New courses and increase in intake in various courses.
- Strengthening of AIT
- Latest equipments/instruments for various labs(existing/ new) of respective departments
- e-Governance and paperless office
- Networked digital library
- Microwave and Antenna Research Centre
- Continuing Education and Industry Institute interaction
- Faculty development
- Student welfare

H.   CHAUDHARY BRAHM PRAKASH GOVT. ENGINEERING COLLEGE, JAFARPUR

Plan Outlay

Annual Plan 2013-14	:	` 700 Lakh
Revenue	:	` 500 Lakh
Capital	:	` 200 Lakh

Choudhary Brahm Prakash Government Engineering College was established in the year 2007. The College is affiliated to GGSIPU, Delhi. It is a leading and a well known Institute

for Civil Engineering in Delhi. The College provides quality education with focus on professional development of students.

The collage has started functioning in the new building constructed for a new polytechnic.

Targets for Annual Plan 2013-14

- Construction of Academic, Administrative, Hostel and Residential complex.
- To initiate PG courses
- Enhance of intake
- Development of civil labs

I.   G.B.PANT ENGINEERING COLLEGE, OKHLA

Plan Outlay
Annual Plan 2013-14   :   ` 440Lakh
          Revenue   :   ` 300 Lakh
          Capital   :   ` 140 Lakh

G.B. Pant Engineering College was established in the year 2007 by the Govt. of Delhi and affiliated to the GGSIP University, Delhi, The institute is stated to offer superspeciality in the area of Advanced Manufacturing & Automation. Currently, offers B.Tech in Electronics & Communication Engineering (ECE) and Computer Science & Engineering (CSE), both 4 years programmes, but there are plans for future expansion to offer B.Tech, M.Tech and Ph.D. Programmes in more disciplines, once its new building is constructed.

- Construction of Academic Block, Administrative Block, Hostels Residential quarters for teachers and staff, Auditorium, Dispensary, Mini Shopping complex, Bank and Post Office.

- Creation of Labs for 5th and 6th semester for new courses of B.Tech (CSE) and augmentation/ expansion / improvement in existing labs.

J.   INDIRA GANDHI TECHNICAL UNIVERSITY FOR WOMEN

Plan Outlay
AnnualPlan2013-14   : ` 1000 Lakh

Government has decided to upgrade and restructure Indira Gandhi Institute of Technology presently a Constituent College of Guru Gobind Singh, IP University as Indira Gandhi Technical University for Women in Delhi. The proposed University is to be set up with the objective of encouraging technical education of women and is to be fully funded by Delhi Government. The bill for setting up of the university has been passed by Delhi Legislative Assembly. The university will start functioning during 2013-14.