CHAPTER-13

TECHNICAL EDUCATION

The Government has setup 04 Technical Universities, 08 technical colleges / Institutes and 10 Institutes of Technology (earlier called Polytechnics) functioning under administrative control of Department of Training & Technical Education for imparting technical education in major Engineering Disciplines and Information Technology. Establishment of Delhi Skill / Vocational University has been proposed to be set up to promote skill development programme and recognising and standardising vocational education by awarding certificates. Government of NCT of Delhi has planned to make Delhi a Start-up Hub by promoting research & development through establishment of Incubation Centres in Universities / Institutions under the Govt. of NCT of Delhi from 2015-16 onwards.

Delhi has become a knowledge city and 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 abroad. Delhi has more than 100 Degree and PG level Professional and Technical Education Institutions affiliated to GGSIP University, Delhi University and other Universities. There are 20 Diploma Level Institutions which includes 12 Govt. / aided Polytechnics Institutions and 8 Private Sector Institutions. The existing 09 Govt. Polytechnics has been upgraded to the Degree Level Institutions to run B.Voc. Programmes from the Academic Session 2015-16. The number of Institutions for certificate level courses in the form of ITIs and ITCs are 63 which includes 19 Govt. I.T.Is and 44 Private Sector Industrial Training Centres.

Department of Training and Technical Education has been allocated a total outlay of ₹ 803 Crore during 2017-18. This includes ₹ 575 Crore for Technical Education and ₹ 228 crore for training wing.

New initiatives / major projects / Programmes proposed during 2017-18:
- New campus of Delhi Technological University (DTU) in East Delhi from 2017-18 and expansion of existing campus of DTU.
- Expansion of Netaji Subhash Institute of Technology,
- Expansion of Indraprastha Institute of Information Technology
- New campus of G.B. Pant Engineering College.
- Permanent campus of Indira Gandhi Technical University for Women.
- Establishment of 4 New Polytechnics in West, Central, North and North East District.
- Establishment of New ITIs at Ranhola, Chhattarpur, Devli Village and Technical Campus at Bakkarwala.
- Permanent Campus for World Class Skill Centre and Delhi Skill University at Jonapur
- To start Sports Medicines course at U.G. and P.G. levels from academic session 2017-18 in Delhi Pharmaceutical Science and Research University

Details of various Projects, Programmes and Schemes under implementation in 2017-18 are as given below:

1. **REPLACEMENT AND MODERNIZATION OF MACHINERY AND EQUIPMENTS, CONTINUING EDUCATION AND CENTRE OF EXCELLENCE**

    Budget Allocation 2017-18   :   ₹ 600 Lakh (Capital)

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

    - Replacement of the obsolete and outdated machinery and equipment which have out lived its life with the latest type.
    - Networking of all institutes
    - Providing additional modern/ sophisticated equipment due to advancement in technology/change in syllabus i.e. B.Voc. Equipping the laboratories and workshop with support facilities matching with the equipment procured.
    - Setting up of Communication Skills Labs and 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 additional courses.
    - Starting of Short term Courses
    - Enabling students to get additional certification.
    - Training for staff from the Industry

2. **FACILITIESTO STUDENTSOF SC/ST/OBC/ MINORITIES COMMUNITIES(SCSP)**

    Budget Allocation 2017-18   :   ₹ 13 Lakh

    The objective of the ongoing scheme is to give assistance to SC/ST/OBC/Minorities students to motivate the students of these community so that they may not depend on their parents for extra financial burden. SC/ST/OBC/Minorities students of various Institutes of Technology, pursuing courses in various disciplines by way of providing 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 , study materials / facilities are provided to the students of these communities irrespective of the income of the parents.

    Under this scheme, Institutes of Technology conduct extra classes for the welfare of students of these communities. The target for the year

2017-18 is to cover 3500 numbers of SC/ST students under this scheme.

6. Setting Up Of New Polytechnics And Renovation/ Alteration Of Existing Institutional Buildings

Budget Allocation 2017-18   :   ₹ 4000 Lakh (Capital)

The funds under this scheme is provided to PWD for construction of buildings for new Institutes of Technology and renovation / alteration / maintenance of the various Institutes of Technology and residential campus under the Department of Training and Technical Education and payment against deposit works. 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 buildings
- Construction of new buildings including the procurement of land for new polytechnics.

7. EXPANSION OF EXISTING FACILITIES IN BHAI PARMANAND INSTITUTES OF BUSINESS STUDIES.

Budget Allocation 2017-18   :   ₹ 50 Lakh (Capital)

The institute had been upgraded to a management institute that has started new UG/PG courses like Master in Business Administration (MBA), Bachelor of Business Administration (BBA) and by increasing the intake of students in Master of Computer Applications (MCA) as well.

Institute has purchased latest machinery and equipment. Classrooms are modernized 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.

The physical targets for 2017-18 are as under:

- Setting up of upgraded infrastructure for the courses as per revised curriculum (like tutorial room, digital class room examination cell, academic cell etc.).
- Purchase of latest Machinery and equipment as per the curriculum of courses.
- Up gradation of Laboratories as per the curriculum for the course.

8. STAFF DEVELOPMENT / PROFESSIONAL DEVELOPMENT OF FACULTY

Budget Allocation 2017-18 : ₹ 450 Lakh

Main objective of the staff development activities is to upgrade expertise, qualifications and capabilities of faculty members working in various Institutes. Funds are provided for development of capacity building of the members of faculty at degree/diploma level institutes as per recommendation of AICTE. This scheme includes professional development grant to be given in two ways:

i. New faculty entrants are given a one- time start-up grant for purchase of computers, teaching material including books, research aids and office furnishings, etc. Existing Teachers may also be provided incentive grants for purchase of computer including grants for up-gradation of or purchase of new computer (especially for those who have availed such facilities on earlier occasions) teaching material including books and research aid.

ii. All teachers are given grant on reimbursement basis for a period of 3 years towards acquiring the membership of Professional Societies and for participating in national/international conferences/ workshops etc.

9. TAKNIKI SHIKSHA SANSTHAN KALYAN SAMITI

Budget Allocation 2017-18 : ₹ 20 Lakh

The objective of the scheme is to provide representation of local area citizens, parents/Students/staff under the Bhagidari Initiatives of Govt. of Delhi. All polytechnics have constituted Committee 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 Lakh is provided to each Institute under this scheme for various works as per approval of the Committee.

10. TECHNICAL EDUCATION COMMUNITY OUTREACH SCHEME

Budget Allocation 2017-18 : ₹ 6 Lakh

The objective of the Scheme 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 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.

- 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 10 to 15 NGOs every year. At present 17 NGOs are running the courses.

- 10 new centres have been established with the help of DUSIB in night shelters.

11. SHARDA UKIL SCHOOL OF ARTS (SUSA)

Budget Allocation 2017-18	:	₹ 65 Lakh
Revenue	:	₹ 55 Lakh
Capital	:	₹ 10 Lakh

Sarada Ukil School of Arts (SUSA) is running three years Diploma course in Art for Drawing Teacher Course with intake capacity of 20 students. The Diploma is recognized & affiliated with Board of Technical Education, Delhi.

12. STATE PROJECT FACILITATION UNIT FOR TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP) - (CSS)

Budget Allocation 2017-18	:	₹ 40 Lakh	- Central Share
	:	₹ 4 Lakh	- State Share

The Ministry of HRD, Govt. of India has approved the proposal of Delhi Technological University (DTU) for participation under the Programme "Technical Education Quality Improvement Programme (TEQIP)-II". A Memorandum of Understanding has been signed between Ministry of Human Resource Development (MHRD), GOI (First Party) and Training and Technical Education, Govt. of NCT of

Delhi (Second Party) on 28-06-2013. As per MoU, Govt. of NCT of Delhi is to establish the State Project Facilitation Unit (SPFU) in the Department,which mainly be responsible for implementing and monitoring the project with the assistance of 'The SPFU'. The funding pattern will be in the ratio of 75:25 between GOI and GNCTD.

13. **COMMUNITY DEVELOPMENT THROUGH POLYTECHNIC (CDTP)**

Budget Allocation 2017-18 : ₹ 40 Lakh

Community Development through Polytechnics (CDTP) scheme is a Centrally Sponsored Scheme and fully funded by MHRD, Govt. of India. Under this scheme, skill training of 3-6 months is imparted to rural youth, women, school drop-outs, SCs/STs and other weaker sections and under-privileged groups of the society, in consultation with qualified faculty/staff of the polytechnics. Training under the scheme is provided at various Training Centers of different Polytechnics known as Extension Centers and are run under the supervision of Principal of the various polytechnics. MHRD had selected 05 government polytechnics in Delhi i.e. Kasturba Institute of Technology, GND Institute of Technology, Aryabhatt Institute of Technology, Meera Bai Institute of Technology and Chhotu Ram Rural Institute of Technology. During 2016-17 No. of beneficiaries were 2990 and targeted to 3500 beneficiaries during 2017-18.

14. **TRAINING OF TRAINERS**

Budget Allocation 2017-18 : ₹ 50 Lakh

This Scheme has been introduced to promote skill development in Delhi state. Major area covered under this Program is for imparting training under ambit of Skill Development in order to fulfil the obligation of preparing manpower with industrial skills. The Department has introduced B. Voc. Programmed in various Polytechnics aligning with the requirement of National Skill Qualification Framework (NSQF).

Department of Training and Technical Education introduced activity to train the trainers for transmission of knowledge and skills in association with Industries. The faculties of these Institutes are trained to teach revised industry relevance course curricula as per requirement of Institution and also to make them conversant with Ultra Modern facilities, machines & equipment as used by the industries.

15. **SETTING UP OF NEW POLYTECHNICS (CSS)**

Budget Allocation 2017-18 : ₹ 400 Lakh (Capital)

Five new Polytechnics in New Delhi, West, Central, North and North West District has been Proposed to be setup at Rajokari, Bakkarwala, Kadipur, Jharoda Mzara (Burari) & Mandoli Village respectively. Under this scheme, Govt. of India is to provide ₹ 12.30 Crores per Polytechnic and the remaining expenditure is to be

borne by the State Government. In all the cases, the construction work is yet to be started. However Possession of land is at initial stage. The land cost will be borne by State Government. The new Institute of Technology at Rajokari in New Delhi District has been started from the Academic Session 2016-17.

14. **RESEARCH GRANT SCHEME**

Budget Allocation 2017-18   :   ₹2200 Lakh

The objective of the scheme :

To carry out advanced research and development in engineering & technology and other areas of Pharmacy, Applied Art and Allied Sciences.

To train and educate, at undergraduate and postgraduate levels, engineers / professionals of outstanding ability to carry out R & D works to become innovators and new product creators.

To encourage innovation and entrepreneurship in specified domain areas and plans to organize conglomerate of R&D Centres, some of which, would be in partnership with different companies and global organizations. All centres will also be engaged in teaching and thesis guidance. These centres, with various labs, will be the hub of activity, with active contribution from faculty and students.

To support research activities in various Institutes, Government is to provide matching yearly grant equal to the funds / grants mobilised by the Institute from external sources in that year, i.e. source other than tuition / hostel fee and Government of Delhi. The funds from external sources will include research projects, fellowships, grants to the Institute from UGC/DST etc. donations and grants from corporations, personal donations to the Institute, etc. It has been envisaged to extend maximum grant of ₹ 10 Crore in a financial year.

15. **INSTITUTE / INDUSTRIES INTERACTION**

Budget Allocation 2017-18   :   ₹200 Lakh

The standards of Training & Technical Education need to match with Industrial standards so that Industry ready skilled workforce pass though the portals of our training and technological institutions. People from Industries may be invited in the Institutions for sharing their experiences of actual work scenario. Study tours to Industries may be organised to give exposure to students as well as faculty. Industry Associations like CII, PHD Chamber of Commerce & Industry, FICCI as well as local Associations may play important role towards need assessment for the trained workforce, absorption of passed out students and sharing the best practices..

B.   **Delhi Technological University**

Budget Allocation 2017-18   :   ₹ 8300 Lakh

Revenue	:	₹ 2800 Lakh
Capital	:	₹ 5500 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, the university has been bestowed with much greater responsibility and accountability along with autonomy to excel and serve the interest of the talented community, industry and the society and to produce professionals in engineering and management field. DTU has focused on quality education, research & innovation that 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. 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. During 2016-17, 1064 students received campus placement offer.

The present campus was to cater to initial student strength of 3000 at that time. Since than the university had added many new B. Tech. & M. Tech. programs in the emerging areas of science and technology. In addition, a school of management was established in DTU to cater for MBA program in the areas of knowledge and innovation and management. The total intake of students have increased from 3000 in 2009 to 8100 at present and likely to go up to 13000 in the next 04 years. Thus there is a need for expansion of DTU and 2nd phase of construction covering approx. 70.000Sqm. of area has been proposed to be taken up. The East Delhi campus of DTU has started functioning from the current academic session 2017-18.

<u>Proposed Targets for 2017-18</u>

- Purchase of machinery/equipment for Labs etc.
- Modernization of existing labs
- Stores and purchase of raw material
- To set up local LAN in all the departments of DTU.
- Extending the LAN of the departments by a canopy based wireless systems to all departments
- Construction of Phase –II campus of DTU, after approval of Government.

Technical Education Quality Improvement Programme (TEQIP-II) (CSS)

Budget Allocation 2017-18   :   ₹ 100 Lakh   - Central Share

DTU is implementing TEQIP-II, a CSS as a long term programme to be implemented in three phases. The first phase of TEQIP implemented in March, 2003 and ended in March, 2009. The second phase of the programme is named Project TEQIP-II. Govt. of India has approved the proposal of Delhi Technological University (DTU) for participation under the Programme "Technical Education Quality Improvement Programme (TEQIP)-II". Government of India and Govt. of NCT of

Delhi will jointly share expenditure as approved by the National Steering Committee for the project in the ratio of 75:25. MHRD, GOI will provide all necessary support to GNCTD through National Project Implementation Unit. GNCTD will mainly be responsible for implementing and monitoring the project with the assistance of the State Project Facilitation Unit (SPFU. The objectives of the **TEQIP-II** project are:-

- Strengthening institutions to produce high quality engineers for better employability.
- Scaling-up PG education and Demand Driven Research & Development and Innovation.
- Establishing Centres of Excellence for focused applicable research.
- Training of faculty for effective teaching.
- Enhancing institutional and System Management effectiveness.

During the year 2013-14, Ministry of HRD has allocated total fund of ₹ 616.00 lakh for the Programmes. The Ministry of HRD has already released its share of ₹462.00 Lakh (₹450 Lakh for DTU and ₹12.00 Lakh for SPFU as 1st intalment and Govt. of NCT of Delhi has also released its share of ₹154.00 lakh (₹150.00 Lakh for DTU and ₹4.00 Lakh for SPFU) during 2013-14 under this programme.

C   NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

Budget Allocation 2017-18	:	₹ 5800 Lakh
Revenue	:	₹ 2500 Lakh
Capital	:	₹ 3300 Lakh

Netaji Subhash 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 proposal for upgrading NSIT to University is under active consideration of the Government. 750 students received Campus Placement offer during 2016-17.

Other major objectives of the Institute are as follows:

- To set up Science & Technology Park.
- To undertake industrial and R&D consultancies.
- To lend support in identifying and starting small scale industry in an around the institute through entrepreneurship programmes.
- To undertake Technology Transfer Programme.
- To establish linkage between Institute, industries, R&D Organizations and other Universities/ Institutes of higher technical education for teaching and research programmes in India/ Abroad.

Proposed activities / target for 2017-18

- Strengthening of Library & Book Bank

- Construction of six buildings (6 x 4224 sqm) in Academic Block.
- Maintenance/ renovation of existing buildings and other infrastructures, Horticulture work et
- Purchase of machinery/equipment for Labs etc.
- Modernization of existing labs

D. **COLLEGE OF ART**

Budget Allocation 2017-18   :   ₹ 312 Lakh

Revenue   :   ₹ 52 Lakh
Capital   :   ₹ 260 Lakh

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.

1. **Expansion of College**

- Up gradation of the infrastructure of Library.
- To enhance ICT in teaching process in the College.
- Automation of Academic Branch, Admin. Branch, Store Branch and Account Branch.
- CCTV Camera and Private Security.
- Other activities relating to building infrastructure.

2. **Academic Development of SC/ST Students**

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. It is proposed to conduct special classes for 103 SC students during 2017-18.

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

Budget Allocation 2017-18   :   ₹ 550 Lakh

Revenue   :   ₹ 50 Lakh
Capital   :   ₹ 500 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.Pharma (Intake-120), B.Phama (Intake-60), M.Pharma (Intake-40) and Ph.D(Intake-40).

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. 49 students received Campus Placement offer during 2016-17.

F. **GIA TO DELHI PHARMACEUTICAL SCIENCES & RESEARCH UNIVERSITY (DPSRU)**

Budget Allocation 2017-18 : ₹ 1000 Lakh

Revenue : ₹ 600 Lakh
Capital : ₹ 400 Lakh

The University (DPSRU) has been made functional from academic session 2015-16 and running Under Graduate and Post Graduate programme in Pharmacy and UG programme in Physiotherapy. University has planned introduced Sports Medicine from academic session 2017-18.

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

Budget Allocation 2017-18 : ₹ 350 Lakh

Revenue : ₹ 50 Lakh
Capital : ₹ 300 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 of B.Tech 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. 165 students got placement offer in reputed companies during 2016-17.

Proposed Targets for 2017-18

- Construction of Hostel and staff quarters
- New courses and increase in intake in various courses.
- Strengthening of AIACTR

- Purchase of latest equipments/instruments for various labs(existing/ new) of respective departments
- Networked digital library
- Continuing Education and Industry Institute interaction
- Student welfare

H. **CHAUDHARY BRAHM PRAKASH GOVT. ENGINEERING COLLEGE, JAFARPUR**

Budget Allocation 2017-18   :   ₹ 500 Lakh

Revenue   :   ₹ 50 Lakh
Capital   :   ₹ 450 Lakh

Choudhary Brahm Prakash Government Engineering College was established in the year 2007. The College started with 60 intakes each in Civil Engg and IT branch of B.Tech in 2007 and a new programme of B.Tech (Environmental Engg) started from 2008-09 with intake capacity of 30 students. 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 college started functioning in the new building constructed for a new polytechnic. It is proposed to augment all Engineering labs and strengthening of library during 2017-18. Five students received Campus Placement offer during 2016-17.

I. **G.B.PANT ENGINEERING COLLEGE, OKHLA**

Budget Allocation 2017-18   :   ₹ 250 Lakh

Revenue   :   ₹ 100 Lakh
Capital   :   ₹ 150 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 started with an intake of 120 students 60 each in Mechanical and Automation Engineering (MAE) and B.Tech in Electronics and Communication Engineering (ECE). The institute has expanded the horizon by commencing Computer Science Engineering Branch in 2009. It has been conceived and designed to be a super- specially institute in Mechanical Engineering, with focus on Advanced/Flexible Manufacturing Systems (AMSs/FMSs), Automation & Robotics, CAM/CIM, Nano Technology, Mechatronics etc. Forty eight (48) students received campus placement offer during 2016-17.

J. **INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN**

Budget Allocation 2017-18   :   ₹ 2200 Lakh

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Revenue              :        ₹ 1600 Lakh
Capital              :        ₹ 600 Lakh
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The University has been established under "The Indira Gandhi Delhi Technical University for Women Act, 2012" (Delhi Act 09 of 2012) by upgrading the erstwhile Indira Gandhi Institute of Technology (IGIT), a constituent college of Guru Govind Singh Indraprastha University (GGSIPU). The University has started functioning in 2013-14 with 10 programmes including 06 programmes run by erstwhile IGIT and 04 new programmes as well as PHD programmes in various branches of Engg. Science &Technology. The University has commenced B.Arch. programme from the Academic Session 2015-16.

The total strength of students at the Kashmere Gate Campus of IGDTUW shall be around 2000 from the Academic Session 2016-17. Land allocation for permanent Campus of IGDTUW shall be pursued.

Work relating to (i) infrastructure upgradation for National knowledge Network (NKN) connectivity; (ii) Establishment of Communication System Lab; (iii) Establishment of CIM & Robotic Lab in MAE Department; (iv) Renovation of Architecture Block; and (v) Renovation of ECE and CSE Block shall be completed during the financial year 2016-17. New labs, classrooms and studios are being developed for new PG and Architecture programs of the University.

The University has already taken up the process of setting up an Incubation Centre and Entrepreneurship Department Cell for nurturing start-ups in the University Campus. 260 students received campus placement offer during 2016-17.

K. **INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY – DELHI (IIIT-D)**

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Budget Allocation 2017-18   :    ₹ 6000 Lakh (Loan)
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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 993. 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 and ITES. It is planned to be organized as conglomerate of R &D centres, some of which may be in partnership with different companies and global organizations.

The 1st phase of construction of campus completed comprising R&D Block, Lecture Hall, Library & Information Centre, hostels and faculty accommodation. The Cabinet of GNCTD has approved the proposal for construction of IIIT Campus under phase-II of the project at an estimates cost of Rs.250Crore. The project is in advance stage of completion and likely to be completed by end of 2017. During 2016-17, 225 students received campus placement offer.

L.   GIA to Delhi Skill/ Vocational University:-

Budget Allocation 2017-18   :   ₹ 100 Lakh (Revenue)

MHRD, GOI has notified NSQF on 19th Dec, 2013. This cover the competency acquired through skill development & recognized in formal educational set up. To promote the vocational education & awarding the certificates, diplomas, bachelor Degrees, the University to be created under the scheme. This will benefit the youth who are employed & also dropouts from the formal education programmes, can join the level of programme under NSQF.

The following programmes are tentatively planned to be run in the University:-

1. Skill Development Modular Programmes, three months to twelve months depending upon the trade.
2. Certificate Programmes in Vocation Education of different Trades of one to two years.
3. Vocation Diploma Programmes in various disciplines of two to three years.
4. Bachelor Degree Programmes in Vocation Education of four years & also vertical levels as per NSQF.
5. Kaushal Kendra's to cover Post Graduate, M.Phil & Ph.D Programmes in Vocational Education.

The framework and action plan about the University has been suggested by the Committee constituted for the purpose and is being incorporated in the Bill accordingly.

The expenditure will be incurred on various activities is as under:-

- To facilitate pre-establishment activities of University and expenditure on such activity.
- After, the establishment of the University, the expenditure to be incurred by the University.

M.   Setting up of Incubation Centre:-

Budget Allocation 2017-18   :   ₹ 1000 Lakh

1. Promoting interactions with, and technology / expertise resourcing from, the members of academic staff and research scholars of the Departments and Centres of the Institute, and Incubating novel technology and business ideas into viable commercial products or services.
2. Provide work space for start up companies by faculty / students / alumni.
3. Develop a network of experienced entrepreneurs, technology and management experts to mentor the start-ups.
4. Facilitate start-up funding from venture capitalist, angle investors, banks and NBFCs.

Govt, if NCT of Delhi has approved the State Incubation Policy for promotion of entrepreneurship among youth for setting up of start- ups and creating abilities to make them job providers instead of job seekers. During 206-17 6 Incubation centre had been setup in Technical and Higher Education Institutions/ Colleges 5 more institutions have been in process for setting up of incubation centre.

N. **Delhi Institute of Tool Engineering**

Budget Allocation 2017-18   :   ₹ 1800 Lakh

Revenue   :   ₹ 1300 Lakh
Capital   :   ₹ 500 Lakh

The Societies of Tool Room & Training Centre, Wazirpur Industrial Area, Delhi-110052 and Hi-Tech Vocational Training Centre, Okhla Industrial Area, New Delhi, have been amalgamated and upgraded as "DELHI INSTITUTE OF TOOL ENGINEERING" (DITE). The Delhi Institute of Tool Engineering has come into existence with effect from 28 -11-07 and is functioning from Wazirpur and Okhla Industrial Areas. DITE has been imparting training in various regular and short term courses in special subjects of Tool making and Tool designing. Considering the demand, the intake in 4 year diploma in tool & die making, one year advance technician course and one year condensed course in tool and die making has been enhanced. The DITE is pioneer in starting a degree level new engineering course of B.Tech in Tool Engineering from the academic year 2008-09 under affiliation to GGSIPU. DITE has started B.Tech course in Mechatronics from 2013-14 and M.Tech in Tool Engineering from the academic year 2014-15 under affiliation to GGSIP University.   The Institute also conducts various short term courses in the field of Tool Engineering, operation & maintenance of CNC machines.

DITE is conceived with the objective of developing professional expertise and skilled manpower in the field of Tool Engineering (TE) and allied disciplines. The brief objectives are:

i. Development of MSME sectors through supply of trained manpower in the field of Tool designing, Tool making & supplies of sophisticated Tools such as

dies, moulds, jigs etc.

ii. To meet the skill deficit in the area of Tool Engineering and allied trades include skill up-gradation of existing manpower.

iii. To enhance skill of the trainees from the weaker section of society for improving employment potential.

During 2016-17, 180 students received campus placement offer.