

CHAPTER-13

DEPARTMENT OF TRAINING & TECHNICAL EDUCATION

TECHNICAL EDUCATION

The Government has accorded high priority to the development of technical education and skill development and for this purpose, has initiated a number of measures to augment higher education infrastructure, increasing intake capacity of students, introducing new courses, developing entrepreneurship abilities among students, setting up of Incubation Centers etc. In the recent years, GNCTD has put concerted efforts for expansion in higher education institutions and technical institutions such as ITI, Polytechnics, and World Class Skill Development Centers, setting up of Delhi Skill and Entrepreneurship University for better access and to improve quality of higher and technical education. Institutions are to attain competitiveness at the global level by narrowing quality gaps in terms of equipment, teaching methods, infrastructure, curriculum, etc. MoU has been signed with NITTTR Chandigarh for revamping of curriculum of all the diploma courses being offered in Institute of Technology under the National Skills Qualification Framework. GNCTD has been promoting technical Institutes and Universities to do more and more researches by providing exclusive research grants..

Delhi has 05 state technical universities and 92 technical institutes imparting technical education and professional education ranging from pharmacy to engineering, management and vocational programmes. Seat availability in technical education with respect to the number of aspirants is limited. Delhi government has been constantly working to address this issue by augmenting the available infrastructure for accommodating increased intake capacity. A number of initiatives taken by the Govt. of NCT of Delhi in recent years are setting up of Incubation centres, increasing intake capacity, faculty development programmes etc. The Government is in process of setting up of 25 World Class Skill Development Centers (06 centres has already been set up), setting up a new University namely “Delhi Skill and Entrepreneurship University”. This University will focus on providing employment oriented education to the students through collaboration with industry in various streams. Government has taken a new initiative and started a scheme viz “Seed money to Students for Entrepreneurship Development” for students of Polytechnics and ITIs to inculcate enterprising attitude among students and to motivate them to become job creator rather than being job seekers.

1. Replacement and Modernization of Machinery & Equipments, Continuing Education and Centre of Excellence

Budget Allocation 2020-21 : ₹ 860 Lakhs

The Institute of Technology functioning under DTTE are to be modernised with sophisticated and advanced control system, modern equipments etc. for increasing the technical competence and skill enhancement of students. Activities included in the scheme are as under:-

- Replacement of the obsolete and outdated machinery & equipment and training furniture which have out lived its life with the latest type.
- 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.
- Modernization of Labs as per change in curricula & updated technology.
- Setting up of Communication Skills Labs.
- Setting up of World Class test houses
- Setting up of labs enabling students to get dual certification.
- 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.

2. Facilities to Students of SC/ST/OBC/Minorities Communities (SCSP)

Budget Allocation 2020-21 : ₹ 13 Lakhs

The objective of the ongoing scheme is to give assistance to SC/ST/OBC/Minorities students to motivate them, 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 are assisted 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 the scheme requisite items are provided on the basis of requirement received from the students of these communities irrespective of the income of the parents.

3. Setting up of new Polytechnics and Renovation/ Addl. /Alteration in the Existing Institutional Buildings (PWD)

Budget Allocation 2020-21 : ₹ 8000 Lakhs

The funds under this scheme is provided to PWD for construction of buildings for new Institutions / 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, TTE & BTE buildings.
- 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/ campuses including the procurement of land for new Institutions.
- Construction of G B Pant Integrated Technical Campus.

4. Expansion of existing facilities in Bhai Parmanand Institutes of Business Studies.- (Machinery & Equipments)

Budget Allocation 2020-21 : ₹ 50 Lakhs

The institute had been upgraded as a management institute and started new UG/PG courses of 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.

The fund is proposed for the Setting up of up-graded 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.

Digitalization of class rooms.

Development of Training & Placement cell.

5. Staff Development / Professional Development

Budget Allocation 2020-21 : ₹ 50 Lakhs

Main objective of the staff development activities is to upgrade the expertise, qualifications and capabilities of the faculty members at various levels of Institutes of Technology by capacity building as per the AICTE recommendations. 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 also includes professional development grant to be given in two ways.

- i) New faculty entrants may be 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 may be given a 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.

6. Takniki Shiksha Sansthan Kalyan Samiti

Budget Allocation 2020-21 : ₹14 Lakhs

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 Institute of Technology 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 upto ₹2 Lakh is provided to each Institute under this scheme, and power is delegated to the principal concerned after approval of the respective Committee.

7. Technical Education Community Outreach Scheme

Budget Allocation 2020-21 : ₹5 Lakhs

The objectives 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 mainly implemented in ITIs. It 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.

8. Sharda Ukil School of Arts (SUSA)

Budget Allocation 2020-21	:	₹75 Lakh
Revenue	:	₹65 lakh
Capital	:	₹10 lakh

Sharda Ukil School of Arts is running three year Diploma course in Art for Drawing teacher course with intake capacity of 20 students. The Diploma is recognized and affiliated with Board of Technical Education, Delhi.

9. State Project Facilitation Unit for Technical Education Quality Improvement Programme (TEQIP):-

Budget Allocation 2020-21	:	₹4 Lakh – CSS – State Share
		₹10 Lakh – CSS – Centre Share

Ministry of HRD, GOI has approved the proposal of Delhi Technological University for participation under the Programme “Technical Education Quality Improvement Programme (TEQIP)-III” as mentor institute. The objectives of TEQIP-III project are:-

- Strengthening PG Education, Research and Innovation for mentor and mentee institutions.

- Industry Partnership in education and research for joint collaboration.
- Building Quality Faculty Capacity – Faculty “ inspired to teach and driven to research” for mentee institutions.
- Strengthening Employability of students.

GNCTD will mainly be responsible for implementing and monitoring the project with the assistance of ‘The State Project Facilitation Unit’.

10. Community Development through Polytechnic (CDTP)

Budget Allocation 2020-21 : ₹40 Lakh

This is centrally sponsored scheme (CSS) with 100% central share. The objective of the scheme to provide Non formal training to rural youth, women, school dropout, SC/ST & Weaker section of society under privilege group. MHRD has selected 05 Govt. Polytechnics in Delhi i.e. Kasturba Institute of Technology, GND Institute of Technology, Aryabhat Institute of Technology, Meera Bai Institute of Technology and Chhotu Ram Rural Institute of Technology. The target for year 2020-21 is fixed for about 3500 nos of beneficiaries.

11. Training of Trainer

Budget Allocation 2020-21 : ₹50 Lakhs

This Scheme has been introduced to work on thrust areas 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. Programme in various Polytechnics aligning to NSQF.

Department of Training and Technical Education created a scheme to train the trainers involved in transference of knowledge and skills in various Institutes with association of Industries. The faculties of these Institutes will be trained to teach revised industry relevance course curricula as per requirement of Institution and also to make them conversant with Ultra Modern facilities with machines & equipment as used by the industries. The faculty can be promoted for knowledge creation and capacity building under the scheme.

12. Setting up of New Polytechnics (CSS)

Budget Allocation 2020-21 : ₹400 Lakhs

Five new Polytechnics in New Delhi, West, Central, North and North West District were proposed to setup in Rajokari, Bakkarwala, Kadipur, Jharoda Mzara (Burari) & Mandoli Village respectively. Under this scheme, Govt. of India to provide Rs.12.30 crores per Polytechnic and the remaining expenditure to be borne by the State Government. In all the cases except Rajokari, the construction works is yet to be started however the Possession of land is at initial stage. The land cost will be borne by State Government. The Institute of Technology at Rajokari in New Delhi District has been started from Academic Session 2016-17.

13. Research Grant Scheme

Budget Allocation 2020-21 : ₹1000 Lakhs

The objective of the scheme is

- 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 both undergraduate and postgraduate levels, engineering/professionals of outstanding ability who can become innovators and new product creators
- It aims to encourage innovation and entrepreneurship in specified domain areas. Towards this end it plans to organize itself as a conglomerate of R&D Centers, some of which would be in partnership with different companies and global organizations. All centers will also be engaged in teaching and thesis guidance. These centers, with various labs, will be the hub of activity, with active contribution from faculty and students.
- To support research, the Government to provide a yearly grant which will be equal to the funds / grants the Institute receive in that year from external sources, i.e. source other than tuition / hostel fee and grant from Government of Delhi. The funds from external source will include research projects, fellowships, grants to the Institute from UGC/DST etc. donations and grants from corporations, personal donations to the Institute, etc. The maximum grant of ₹10 Crores in One Financial year will be allowed.

14. Industry Institute Interaction

Budget Allocation 2020-21 : ₹.50 Lakhs

The standards of Training & Technical Education need to match with Industrial

Standards so that Industry ready skill workforce pass through the portals of our training and technological Institutions. People from Industries may be invited in the Institutions for sharing their experience of actual work scenario. Study tours to Industry may be organised to give exposure to students as well as faculty. Industry Association 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.

In order to increase the placement avenues for the students of various Institutes of Technology, the institute can be associated with Institutions in other ways also like faculty exchange programme etc. The expenses can be covered under this scheme.

15. Infrastructure Projects of Autonomous Institutions/ Universities

Budget Allocation 2020-21 : ₹17000 Lakhs

The scheme has been introduced with the objective to facilitate Infrastructure Projects (Building Construction) in autonomous institutions (DTU, NSUT, IGDTUW & DPSRU) through PWD. This scheme will cover all EOR and major projects as the minor repair works will be made by the institute at their level. The project of construction of DTU Phase-II of ₹291.88 crore was approved by Cabinet in 2018-19 and construction work has already been started by PWD. The project of construction of smart class rooms with approved cost of ₹26 crore in NSUT is also in progress.

16. Entrepreneurship Development Programme for Students

Budget Allocation 2020-21 : ₹500 Lakh (Revenue)

To promote culture of entrepreneurship, start-ups and intellectual property creation, a guideline was issued for establishment of incubation centers in educational institutions. Initially the incubation centers are established in University/Degree level institutions under Department/Higher Technical Education. This is only helping few students having innovative ideas and after going through scrutiny, allowed as incubate to work with these incubation centers. However, these centers still not established in polytechnics (Now, Institute of Technology) and ITIs to promote culture of entrepreneurship, startup in these institutions. Therefore, it has been decided to involve all the students in thought process of entrepreneurship program to become a good entrepreneur.

Under the scheme, ₹5000 to be given as seed funding to each student of Institute of Technologies and ITIs, So that the students consolidate their innovative ideas and forward to work with group of team as incubates with the incubation centres already existing or available in the market.

17. Delhi Technological University (DTU)

Budget Allocation 2020-21	:	₹2900 Lakh
Revenue	:	₹2600 lakh
Capital	:	₹300 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 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. At present, the University (DTU) is having total student strength around 11945 in 2019-20 and target for 2020-21 is 13000 students.

The expansion of the existing campus of DTU has been approved at a cost of ₹291.88 crore to accommodate the increased strength of students. The East Delhi Campus of DTU has started functioning from the academic session 2017-18.

Proposed targets for 2020-21:

- 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
- To increase the bandwidth of the internet speed.
- To expand its functioning through WI-MAX.
- Deploying IT based service for the workflow and academic activities and to ensure E-Governance.

Technical Education Quality Improvement Programmes (TEQIP-(CSS) State & Centre Share

Budget Allocation 2020-21 : ₹100 Lakhs – CSS- State

Ministry of HRD, GOI has approved the proposal of Delhi Technological University for participation under the Programme “Technical Education Quality Improvement

Programme (TEQIP)-III” as mentor institute. The objectives of the project are:-

- Strengthening PG Education, Research and Innovation for mentor and mentee institutions.
- Industry Partnership in education and research for joint collaboration.
- Building Quality Faculty Capacity – Faculty “inspired to teach and driven to research” for mentee institutions.
- Strengthening Employability of students.

The project is 100% funded by Government of India.

GNCTD will mainly be responsible for implementing and monitoring the project with the assistance of ‘The State Project Facilitation Unit’.

18. NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY (NSUT)

Budget Allocation 2020-21	:	₹3000 Lakh
Revenue	:	₹2700 lakh
Capital	:	₹300 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 now reconstituted and upgraded to University as “Netaji Subhash University of Technology” vide Delhi at 06 of 2018 w.e.f. 26th September 2018 and to provide for Education and Research in branches of Engineering, Technology, Sciences, Humanities, Social Sciences and Management and for advancement of learning and dissemination of knowledge in such branches and for certain other matters connected therewith and incidental thereto. At present, the NSUT is having total student strength around 4495 in 2019-20 and target for 2020-21 is 4901 students.

Proposed activities / target for 2019-20:

- Strengthening of Library and Book Bank.
- Strengthening of Centre for Electronics Design & Technology (CEDT).
- Purchase of Machinery & Equipment.
- Expansion of existing campus of NSUT.

19. COLLEGE OF ART

Budget Allocation 2020-21	:	₹212 Lakh
Revenue	:	₹12 lakh
Capital	:	₹200 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.

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

EXPANSION / STRENGTHENING OF COLLEGE

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

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.

Professional Development Fund

Under the scheme grant is given to the faculties for purchase of computers, teaching materials including books, research

20. GIA to DELHI PHARMACEUTICAL SCIENCES & RESEARCH UNIVERSITY

Budget Allocation 2020-21	:	₹2300 lakh
Revenue	:	₹2050 lakh
Capital	:	₹250 lakh

The University (DPSRU) has been made functional from academic session 2015-16. The following UG & PG courses introduced :-

- B. Pharma
- B. Physiotherapy

- M. Pharma
- B. Sc. Sports Science

At present, the University (DPSRU) is having a total student strength around 1472 in 2019-20 and target for 2020-21 is 1550 students.

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

Budget Allocation 2020-21	:	₹ 195 lakh
Revenue	:	₹20 lakh
Capital	:	₹175 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 runs UG & PG programme in Engineering & Technology. In FY 2019-20, AIACTR is having a total student strength of 789 and target for 2020-21 is 918 students.

Proposed Targets for Annual Plan 2020-21 are as under.

- 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
- Professional Development

22. CHAUDHARY BRAHM PRAKASH GOVT. ENGINEERING COLLEGE, JAFARPUR

Budget Allocation 2020-21	:	₹92 Lakhs
Revenue	:	₹2 Lakhs
Capital	:	₹90 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 but due to poor response, it was closed and now college has introduced B.Tech (Mech) from 2019-20. 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 2020-21. The college has its expansion programme with construction of additional building and hostel block.

23. G.B.PANT ENGINEERING COLLEGE, OKHLA

Budget Allocation 2020-21	: ₹630 Lakh
Revenue	: ₹30 Lakh
Capital	: ₹600 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.

The proposal for construction of GB Pant Integrated Technical Campus for Engineering College and Polytechnic has been approved at an estimated cost of ₹ 526.66 crore. It is proposed to upgrade Engineering labs and replacement of obsolete and outdated machinery/equipments/furniture etc. The students strength in FY 2019-20 was 800 and targeted to 800 students for 2020-21.

24. INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN

Budget Allocation 2020-21	: ₹2000 lakh
Revenue	: ₹1800 lakh
Capital	: ₹200 lakh

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. The University has commenced B.Arch. programme from the Academic Session 2015-16. University is having a total student strength of 2161 in 2019-20 and target for 2020-21 is 2693 students. The University also has plan to start integrated programme from 2020-21.

25. Indraprastha Institute of Information Technology –Delhi (IIIT-D)

Budget Allocation 2020-21 : ₹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. Presently Institute is running B.Tech, M.Tech and PhD in CSE and ECE and having a total student strength around 2142 and target for 2020-21 is 2549 students. IIITD has introduced new course “Computer Science and Artificial Intelligence” from academic session 2019-20. 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 centers, some of which may be in partnership with different companies and global organizations.

The construction work under phase-II at a cost of ₹320 Crore has been completed.

26. GIA to Delhi Skill and Entrepreneurship University (Earlier University of Applied Sciences/Delhi Skill University)

Budget Allocation 2020-21	:	₹1500 Lakh
Revenue	:	₹1000 lakh
Capital	:	₹500 lakh

MHRD, GOI has notified NSQF on 19th Dec-2013. This cover the competency acquired through skill development & recognized in formal education set up. To promote the vocational education & awarding the certificates, diplomas, bachelor Degrees, the University has been set up. 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 Vocational Education of different Trades of one to two years.
3. Vocational Diploma Programmes in various disciplines of two to three years.
4. Bachelor Degree Programmes in Vocational Education and also vertical levels as per NSQF.
5. Post Graduate, M.Phil and Ph.D. Programmes in Vocational Education.
6. Bachelor Degree Programme and Master Degree Programmes in the area of Culture, Business, Health Care and Social Science and Technology.

27. Setting up of Incubation Centre:-

Budget Allocation 2020-21 : ₹400 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.

The Scheme will promote entrepreneurship in education as suggested by the Committee. The overall monitoring and support to be provided by the DTTE.

11 Incubation centres has been setup in Higher & technical Institution / Universities. 122 Start Ups / Enterprises being provided work space and mentorship through these Incubation centres.

28. Delhi Institute of Tool Engineering

Budget Allocation 2020-21	:	₹1750 Lakh
Revenue	:	₹1550 lakh
Capital	:	₹200 lakh

The Societies of Tool Room & Training Center, Wazirpur Industrial Area, Delhi-110052 and Hi-Tech Vocational Training Center, 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 started B.Tech in Tool Engineering from the academic year 2008-09, B.Tech in Mechatronics from 2013-14 and M.Tech in Tool Engineering from the academic year 2014-15 under affiliation to GGSIP University. DITE has carried out fabrication of sleds for TBRL (DRDO) testing of missiles at higher speed at a cost of ₹1.20 crore for 12 sleds. During 2019-20, DITE has total students strength of 1309 and targeted to 1273 students for 2020-21.

DEPARTMENT OF TRAINING & TECHNICAL EDUCATION

(Craftsmen & Apprenticeship Training)

1. Modernization and Restructuring of ITI's / BTCs(Machinery & Equipment)

Budget Allocation 2020-21 : ₹ 950 Lakh

There are lot of machinery consisting of lathes, milling machines, shapers, slotters, electric generators, motors etc. besides light to heavy tools which have outlived their normal life and needs replacement. Consequent upon the revision of syllabus by Govt. of India from time to time, tools and equipments those are obsolete, unserviceable or deficient in training are required to be replaced /procured as and when required.

The objective of this scheme is :

- To remove the obsolescence.
- To provide I.T.Is Tools, Machinery & Equipments to the existing as well as new ITIs.
- To replace the unserviceable Tools, Machineries & Equipment.

Besides above a large number of machinery & equipments are lying unutilized due to lack of routine maintenance and repairs. To avoid any unnecessary breakdown/idling of machines & equipments, wherever possible each institute shall enter into Annual Maintenance Contract (AMC) preferably with the manufacturers or their authorized dealers.

To strengthen and improve the overall functioning of ITIs/ BTCs, It is proposed to provide sufficient number of CNC Machines, Lathe Machines, computers, printers and Internet facility in each Institute and also modernize the other labs as per latest technology and DGT norms issued from time to time.

2. Welfare Programme for SC/ST Student- SCSP

Budget Allocation 2020-21 : ₹ 60 Lakhs

Coaching-Cum-Guidance facilities are provided to SC/ST Students to increase their representation in public services and promote their employability. It was thus decided to conduct regular training in typing and stenography including General Knowledge and English for these candidates and to provide them guidance for career planning and confidence building by arranging special lectures. The training is now being imparted under SCVT for twelve months duration for full day. Two batches are running concurrently with an intake capacity of 20 students each.

Other Provisions of the Schemes: i) The Training is free of cost, ii) Stipend @ ₹ 75/- per month per trainee is paid, iii) Free stationery is provided to the trainees, iv) Vocational guidance is provided to the trainees by arranging special lectures.

3. Setting up of New ITI's and Renovation of ITI's

Budget Allocation 2020-21 : ₹5000 Lakh

The buildings of six, out of the eighteen I.T.Is, were constructed before 30 to 45 years and need improvements, additions and alterations to cope up with the expansion and modernization programme being undertaken as a part of the Craftsman Training Scheme. Environment improvement is also required to be given attention for the campus of these old ITIs so as to provide a congenial atmosphere for training of trainees of the ITIs.

The existing workshops blocks and administrative block of ITI Shahdara are in dilapidated conditions. It is proposed to construct new building of the ITI Shahdara. Proposal for which is under process. The department has also plan for redevelopment of ITI Pusa/Pusa Polytechnic complex.

The department is also having the staff quarters. Renovation of the old quarters which are 25-30 years old, is required. Besides, these residential campuses, ITI buildings require continuous maintenance and renovations in the Labs/Workshops like providing false ceiling, sound proof partitions, providing of Bus-bars, repairs of electrical installations and various other civil works.

Setting up of new Industrial Training Institutes

The existing eighteen Industrial Training Institutes & one Basic Training Centre (BTC) in Delhi, which are imparting training under the Craftsmen Training Scheme of DGE&T, Govt. of India, are functioning in the National Capital Territory of Delhi. To overcome the scarcity of the skilled manpower in the coming years, it is proposed to set up new I.T.I.s in the National Capital Territory of Delhi.

Keeping in view the population of NCT of Delhi, the assessed requirement of intake is of about 15000 trainees. The settings up of ITIs at Ranhola village & Bakkarwala Village etc. are under process besides new WCSC at this site.

4. World Class Skill Development Centre

Budget Allocation 2020-21 : ₹840 Lakh
Revenue : ₹240 lakh
Capital : ₹600 lakh

The Government of NCT of Delhi is setting up a world class skill development centre at Jonapur, Delhi in collaboration with Institute of Technical education, Singapore.

The project was approved by Delhi Cabinet and MoU was signed with ITE, Singapore on 11th July 2012. The project, on completion will train around 5,000 trainees per annum.

The main aim of setting up World Class Skill Centre

- To enhance the training skills of aspirants in Delhi and create skilled manpower as per the requirement of Indian and global industries.
- To enhance the training standards and upgrade the skill of the trainees.
- To cater the need of the population of Delhi as well as rest of the country.
- To change the mindset among the aspirants and to provide a methodological approach towards vocational training in Delhi.

The Center has started functioning from 2013-14 its temporary campus at ITI Vivek Vihar. The courses offered are : Hospitality operations, Retail Services, Information Technology & Account Banking Finance Sector with intake capacity of 800 students.

5. Takniki Shiksha Sansthan Kalyan Samiti (TASSKS)

Budget Allocation 2020-21 : ₹10 Lakh

A committee in all institutes has been constituted through participation from 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 of Building of the institutes, Minor repair of electrical work of the institutes, Maintenance of Equipment, tools, machineries, Purchase of raw material required urgently, Repair of signage boards, replacement of window panes, repair of furniture viz. dual desks, chairs, tables etc. An amount of ₹2 Lakhs (ceiling) is provided to each institute / ITI under this scheme.

6. Technical Education Community Outreach Scheme (TECOS)

Budget Allocation 2020-21 : ₹ 60 Lakhs

Approximately 200 courses are run in participation with NGO in the field of basic needs of the community and funds are given to NGOs for each course for 50 students (2 batches of 25 students per batch). Each course is of 3 months 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 NGOs. At present 15 NGOs are running the courses. The number of beneficiary in 2019-20 were 700 and target for 2020-21 is 3000 students. The scheme is under review to provide more beneficiaries.

7. World Bank Assisted Vocational Training Improvement Project (VTIP)

Budget Allocation 2020-21 : ₹ 60 Lakh (CSS)

The objective of the scheme was to upgrade selected ITIs under a Centrally Sponsored project, entitled Vocational Training Improvement Project with financial assistance from the International Development Association within the World Bank through DGE&T, Ministry of Labour, by introducing new multi-skilling modular courses, improving physical infrastructure facilities, adopting new training methodology with close involvement of industry and other stakeholders; and, empowering ITIs by providing adequate managerial, administrative and financial autonomy, building up partnership with the nearby industries and setting up of Institute Management Committees.

Four ITIs had been upgraded into Centre of Excellence in different Sectors under Domestic Funding of DGE&T Ministry of Labour, Government of India. These are ITI Pusa (Automobile Sector), ITI Arab-Ki-Sarai (Production and manufacturing Sector), Sir CV Raman ITI (Electrical Sector) and ITI Jail Road (Information Technology Sector).

ITI Pusa was upgraded with funding by DGE&T, Ministry of Labour and other three ITI have been upgraded with World Bank Assistance released through Ministry of Labour. The funding pattern as per the existing scheme is 75% of the total expenditure would be reimbursed by DGE&T, under World Bank Project. The scheme was formulated by Govt. of India for 5 years and has been closed on completion of tenure. Budget provision has been made for refund of unspent balance.

8. GIA to Delhi Skills Mission Society (DSMS)

Budget Allocation 2020-21 : ₹5Lakh

Delhi Skills Mission Society (DSMS) under the chairpersonship of Hon'ble Chief Minister has been set up as a part of National Skills Development Programme in 2009. The aim of the DSMS is to contribute to Delhi's development and to seek economic growth through skill up-gradation in the areas having high market demand and to help the youth in getting gainful employment. DSMS receives Central Government grants for onward distribution to respective Institutes like model ITI Pusa.

In order to achieve the vision envisaged in the preamble the Delhi Skills Mission will have the following objectives:

- To generate marketable skills and to enable 25% of the needy population to become skilled in three years and to have 50 % of the needy population skill empowered in five years.
- To upgrade the existing Industrial Training Institutes into Centers of Excellence by suitably upgrading the infrastructure facilities, revamping obsolete programmes and introducing new programs of relevance and demand.
- To encourage establishment of new Industrial Training Institutes as fully autonomous entities - having administrative, financial and academic autonomy.
- To encourage private participants to establish skill and vocational training centers, so as to train larger numbers of needy youth.
- To develop skills training providers to conduct programmes under multiple modes like, modular employable Skills programme, entrepreneurial skill programmes, etc.
- To support institutions and organizations both in the Government and Private sectors, to conduct Modular Employable skills training programmes. To encourage all concerned entities to train the youth towards Self Employment and Entrepreneurship skills, with emphasis on bankable skills and to encourage formation of Self help Groups/Multipurpose Job Clubs; to provide necessary subsidies to the trainees, where there is a viability gap in the funding available to self-help groups of trainees.
- To bring all the Government initiatives related to vocational/skill development training programmes and related activities under the common umbrella of the Skills Mission, like the initiatives of the Departments of Training and Technical Education, Social welfare, Industries, Labour, SC/ST/OBC/ Minority Welfare and other vocational training providers (Private Initiatives), so as to achieve a coordinated target within a specified timeframe and to support /supplement / subsidize such initiatives.

9. Delhi Smart Career Scheme(Earlier Known as Skill Development Initiative Scheme (SDIS)

Budget Allocation 2020-21 : ₹.10 Lakhs

Delhi Smart Career Scheme launched under Society for Skills Promotion in Delhi; a registered society functioning under Department of Training and Technical Education, Govt. of NCT of Delhi and registered under the societies Registration Act 1860. It may help youth of Delhi to choose various career options through appropriate level of training. The scheme was launched to impart 'Modular Employable Courses'(MES) to the youth of Delhi in close consultation with Industry, Business, Government Department, PSUs, Autonomous Bodies and Sector Skill Councils. The Scheme is not operative.

10. Society for Self Employment

Budget Allocation 2020-21 : ₹230 Lakh
Revenue : ₹200 lakh
Capital : ₹30 lakh

The Society for self-Employment a registered Society was established in the year 1986. The Society became functional on 1st April 1987. The aims and objectives of the society are:-

- To impart training in different technical course to the young Generation of weaker section of the Society so that they may earn their livelihood by getting themselves Self Employed or get gainful employment.
- To identify skills and manpower requirement of the industry and accordingly develop skilled manpower to cater the need of Industry.
- To identify opportunity in the sector of self employment, micro small and medium scale enterprises.
- To develop various training modules based on upcoming opportunities and implement training programmes for the employment youth.

The society conducts skill development programme in Fashion Designing, repair and maintenance of household electrical appliances, electrical gadget, Electronic gadgets, Refrigeration and Air-condition and Plumbing. The society is imparting training through three centers viz. Jhandewalan, Nandnagri & Wazirpur. During the year 2019-20, a total of 521 candidates have been trained by SSE in various Vocational Training Programme. The Society planned to train about 600 trainees during 2020-21.

11. Training of Trainers

Budget Allocation 2020-21 : ₹30Lakhs

This Scheme has been introduced to work on thrust areas 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 fulfill the obligation of preparing manpower with industrial skills.

With this background, Department of Training and Technical Education formulated the scheme to train the trainers involved in transference of teacher / knowledge and skills in various Institutes with association of Industries. The faculties of these Institutes will be trained to teach revised industry relevance course curricula as per requirement of Institution and also to make them conversant to Ultra Modern facilities with machines & equipment as used by the industries. The association of industries in other ways may also be covered under the scheme.

12. Setting up of 25 World Class Skill Centers

Budget Allocation 2020-21 : ₹7700 Lakh

Revenue : ₹2000 lakh

Capital : ₹5700 lakh

The WCSC Vivek Vihar has emerged as a bench mark institute not only in Delhi but in India. To provide opportunities in the field of Skill Development & Vocational Education for the youth of Delhi to cater the demand of skilled manpower in Delhi and NCR. Govt. has planned to expand the model of WCSC Vivek Vihar by setting up 25 new World Class Skill Development Centres in Delhi. Existing institutes have been identified where 25 World Class Skill Centers will be started. Initially 6 WCSC are started in March 2019. The remaining centres are planned to be started at different locations /Instts.

Following sectors have also been identified in which the training is proposed to be imparted:

1. Health & Wellness, 2. IT & IT enable Services, 3. Retail Management, 4. Hospitality & Tourism 5. Accouts, Banking & Finance, 6. Logistics, 7. Automobiles, 8. Electronics, 9. Media & Event Management, 10. Apparel, 11. Production & Manufacturing.

Mostly the sectors are service sector and placement is expected to be high.

The funds under capital is earmarked for construction of new buildings /renovation of existing building and procurement of machineries and equipments for the centers., DTTDC has been engaged for renovation/ construction work.

The Budget provision under revenue is for making payment of salaries/wages for the staff , Office Expenses , raw materials, consumables for training purpose, machineries, tools & equipments, furniture etc.

13. Upgradation of Govt ITIs into Model ITIs

Budget Allocation 2020-21 : ₹ 295Lakhs-CSS
₹127Lakh-State Share

Under the Scheme “Upgradation of Govt. ITIs into Model ITIs”, 29 ITIs one from each state are assisted under the scheme. ITI Pusa has been selected on the merit in the Delhi State. The cost sharing between Centre and State is in the ratio of 70:30. The key objective is to develop a benchmark for industry oriented ITI which would serve as a model for other ITIs and would also raise dignity of ITI education. The ITI Pusa has a functioning Institute Management Committee registered as a Society. Other members in Institute Management Committee from industry also represent various trades in ITI Pusa. The Society is required to take up reassessment of all existing trades and new requirement for their relevance with local market demand for preparation of implementation plan.

Keeping the above development scenario in view, a tripartite Memorandum of Agreement has been signed between Government of India, Govt. of Delhi and M/s. Maruti Suzuki India Limited on 05.09.2016. The Ministry of Skill Development & Entrepreneurship, National Implementation Unit, Govt. of India has approved an outlay of 843.00 Lakh. The 70% of total outlay of ₹590.00 Lakh has been sanctioned as Central Share and 30% of total outlay i.e. ₹253 Lakh shall be State Share to be borne by State Government. The first installment of Central Share i.e. ₹295 Lakh has been released by the Govt. of India in the year July 2016.

14. Entrepreneurship Development Programme for Students

Budget Allocation 2020-21 : ₹500 Lakh (Revenue)

To promote culture of entrepreneurship, start-ups and intellectual property creation, a guideline was issued for establishment of incubation centers in educational institutions. Initially the incubation centers are established in University/Degree level institutions under Department/Higher Technical Education. This is only helping few students having innovative ideas and after going through scrutiny, allows as incubate to work with these incubation centers. However, these centers still not established in polytechnics (Now, Institute of Technology and ITIs) to promote culture of entrepreneurship, start ups in these institutions. Therefore, it has been decided to involve all the students in thought process of entrepreneurship program to become a good entrepreneur.

Under the scheme, ₹5000 to be given as seed funding to each student of Institute of Technologies and ITIs, So that the students consolidate their innovative ideas and forward to work with group of team as incubates with the incubation centres already existing or available in the market.

15. Skill Strengthening for Industrial Value Enhancement (STRIVE)

Budget Allocation 2020-21	:	₹150 Lakh
Revenue -CSS	:	₹66 lakh
Capital -CSS	:	₹84 lakh

Skill Strengthening for Industrial Value Enhancement (STRIVE) is centrally sponsored scheme (CSS). On the basis of performance, 100% funds will be released by the DGT, MSDE, GOI. After signing of MoU/Performance Based Funding Agreement (PBFA) with DGT, funds will be transferred online to the state/UT's. The concerned State/UT shall transfer the funds received from Govt of India to the designated bank account of the State Society. Later on State Society transfer the same to the performing Institutes/organizations.

Approval of the scheme STRIVE has already been accorded by the Hon'ble Dy. C.M of Delhi. Under the STRIVE scheme, two Industrial Training Institutes viz. SCVR ITI Dheerpur and SGHK Pvt ITI Tilak Nagar have submitted the Institutional Strategic Plan (ISP) to the DGT. STRIVE scheme shall be implemented through society for Skill Promotions in Delhi a registered society under DTTE, CNCT of Delhi