

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (PHASE - III)

Equity Action Plan for (Jan 2020 to Sept 2020)

Name of Institute: BVB'S Sardar Patel College of Engineering (Annexure III)

Part A: For soft activities

Sl. No.	Activity	Action to be taken	Coordinator from the institute	Executing agency	Date & duration	Frequency	Whether continuing from last action plan or new activity	Indicator to measure outcome (should be quantifiable)	Estimated Expenditure In Rs.
CIVIL ENGINEERING DEPARTMENT									
1.	Basic Mix Design Workshop	1.3.2.1	Dr.A.A.Bage Dr. P.G. Gaikwad	SPCE &Ambuja Cements	Jan 2020 2 Days	Every Semester	Continue from last plan	Improvement in Job placement	Rs. 1.0 lakh
2.	Basic & Advanced Concrete Mix Design Workshop	1.3.2.1	Dr.A.A.Bage Dr. P.G. Gaikwad Prof. S.J. Kumbhar	SPCE &Ambuja Cements	Feb. 2020 3 Days	Every Semester	Continue from last plan	Improvement in Job placement	Rs. 1.0 lakh
3.	5Days Training for Students under Twinning	1.3.2.7	Dr.A.A.Bage Dr. P.G. Gaikwad	SPCE	Jan 2020 5 Days	Every Semester	Continue from last plan	Improvement in Job placemen	Rs. 1.5 lakh
4.	Software Training on ETABS/STAAD/ MIDAS	1.3.2.1	Dr.A.A.Bage Prof. A.Deshpande	Computer Help, Mumbai	March 2020 5 Days	Every Semester	Continue from last plan	Improvement in Job placement	Rs.2.0 lakh

5.	Training on Numerical Methods	1.3.2.4	Dr.A.A.Bage Prof. A.Deshpande	SPCE	6 th Jan – 11 th Jan 2020 6 Day	Every Semester	Continue from last plan	Improvement in domain Knowledge.	Rs. 6 lakh
6.	Advanced Concrete Mix Design Workshop	1.3.2.4	Dr. P.G. Gaikwad Prof. S.J. Kumbhar	SPCE & Ambuja Cements	May 2020 2 Days	Every Semester	Continue from last plan	Improvement in Job placement	Rs. 1 lakh
7.	Advanced Technics in Environmental Engineering	1.3.2.11	Dr.HandaJeswani	SPCE	June 2020 3 Days	Once in a year	New	Improvement in Job placement	Rs. 0.5 lakh
8.	Industry Visit Visit to RMC Plant Visit to Dam Visit to water Treatment plant Visit to CWPRS Pune Visit to Model Village	1.3.2.1	Dr.A.A.Bage Dr.A.R.Kambekar Dr. P.G. Gaikwad Dr.HansaJeswani Dr.A.N.Ghadge Prof. S.J. Kumbhar	SPCE	Jan to Sept. 2020	Every Semester	Continue from last plan	Improvement in Job placement	Rs. 2.0 lakh
9.	Guest lecture from Industry Person	1.3.2.6 1.3.2.7	Dr.M.M.Murudi All faculty members	SPCE	Jan to Sept 2020	Every Semester	Continue from last plan	1.Improvement in students learning 2. Better Transition rate placement	Rs. 0.5 lakh
10.	MOOC's and Digital Learning (NPTEL/SWA YAM)	1.3.2.1	Dr. P.G. Gaikwad	All Faculty members of Civil Engineering	Jan to May 2020 & July to Sept 2020	Every Semester	Continue from last plan	1.Improvement in students learning 2. Better Transition rate placement	Rs. 0.66 lakh

11.	Remedial Coaching	1.3.2.1	Dr.M.M.Murudi	All Faculty members of Civil Engineering	Jan to May 2020 & July to Sept 2020	Every Semester	Continue from last plan	1.Improvement in students learning 2. Better Transition rate placement	Rs. 0.5 lakh
12.	Workshop on Water Gems	1.3.2.1	Dr.HansaJeswani	SPCE	May 2020	Every Semester	Continue from last plan	Improvement in Job placement	Rs. 0.5 lakh
13.	One day workshop on Importance of Civil Engineering Infrastructure Development	1.3.2.1	Dr.A.R.Kambekar	SPCE	May 2020	Every Semester	New	Improvement in Job placement	Rs. 0.5 lakh
14.	GATE Coaching	1.3.2.1 1.3.2.3	Prof.Ushma Shah	All students Final year Students (C/M/E)	Jan 2020 to Sept 2020	Every Year	Continue from last plan	1Improvement in students learning 2Improvement in Job placement	Rs. 3.6 lakh
15.	Induction Programme for the F.Y.B.Tech students	1.3.2.1 1.3.2.3	Dr.A.A.Bage	SPCE	Aug. to Sept. 2020	Once in year	Continue from last plan	Improvement in students learning	Rs. 3 lakh
16.	Induction Programme for faculty (3 Days)	1.3.2.4	Dr.A.A.Bage	SPCE	Jan. 2020	Once in year	New	To become trainers for other Institutes.	Rs. 0.5 lakh
17.	Induction Programme for faculty (7Days)	1.3.2.4	Dr.A.A.Bage	SPCE	Jan/ March 2020	Once in year	New	To become trainers for other Institutes.	Rs. 1.5 lakh

18.	Training for students (SELP) Student excellence learning Programme	1.3.2.3	Dr.A.A.Bage	SPCE	Jan to March 2020 & Aug to Sept 2020	Once in year	New	Improvement in students learning	Rs. 1.5 lakh
19.	MCEP for faculty 6	1.3.2.9	Dr.A.A.Bage	SPCE	Jan to Sept 2020	Once in year	New	Improvement in overall administration of the department.	Rs. 1.5 lakh
ELECTRICAL ENGINEERING DEPARTMENT									
20.	workshop	The following topics are selected for one day workshops: 1. Introduction to Python 2. LATEX 3. Advanced Processors 4. Android Application development 5. PCB design 6. Introduction to LAB VIEW 7. Introduction to ETAP 8. PLC	1. Dr. Anupa Sabnis 2. Prof. V. P. Joshi 3. Dr. Sangeeta Daingade 4. Dr. Swati Lavand 5. Prof. Ushma Shah	SPCE/RCE	One to five days	Each workshop will be conducted as per the enrollment from students. The maximum thirty students will be accommodated in one batch	YES	The number of mini projects/ B. Tech. projects based on knowledge gained in these workshops Participation of students in inhouse as well as outside competitions such as project display, technical paper presentation, publications etc.	Approx. 3,00,000/-

		applications 9. Automation (Association with industry)							
21.	Remedial Coaching	Remedial coaching for academically weak students in all courses after test1 test 2 and end semester	All faculty members conduct remedial coaching for their courses.	SPCE/RCE	Maximum 10 hrs per course per semester as per requirement		YES		150000/-
22.	STTP for faculty	1.Linear and Non linear optimization 2. Numerical protection 3. Pedagogy	Dr. AnupaSabnis Dr. Swati Lavand Prof. V. P. Joshi	SPCE/RCE	One week	1. and 2. Once 3. Once in each semester	NO		8,00,000/-
MECHANICAL ENGINEERING DEPARTMENT									
23.	Industry training to faculty on Process Plant Operation and Engineering	Arrange Industry visit	Dr. N. R. Raykar Prof. MeghaJanbandhu	SPCE & RCF	Jan 2020 2 Days	Every Semester	Continue from last plan	Faculty development	Rs. 0.25 lakh
24.	Training on Thermal Power Plant Engineering and Operations	Arrange Industry training	Prof. Parag Muley	SPCE and Adani Dahanu Thermal Power Plant	May 2020 5 days	Every Semester	Continue from last plan	Improvement in Job placement	Rs. 3.5 lakh

25.	Training program on 'Advanced Mechanical Equipment and Best Maintenance practices in industry'	Arrange Industry training	Dr. N. R. Raykar Prof. MeghaJanbandhu	SPCE & RCF	May 2020 3 Days	Every Semester	Continue from last plan	Improvement in Job placement	Rs. 1.5 lakh
26.	Training on Product design an Engineering Simulation	Arrange Industry training	Dr. Kiran Bhole Dr. B. N. Bhasme	SPCE & CEMS	Jan 2020 6 days	Every semester	New	Improvement in Job placement	Rs. 3.5 lakh
27.	5 Day STTP for Students under Twinning	Arrange STTP	Dr. S. B. Rane	SPCE	May 2020 (5 days)	Every Semester	Continue from last plan	Improvement in Job placement	Rs. 3 lakh
28.	Software Training on 1. PYTHON for Mechanical Engineers 2. Solid Modelling using CATIA for Mech. Engineers ANSYS software	Arrange training	Dr. N. R. Raykar Prof. KunalBhavsar Prof. Sharad Valvi	SPCE	Jan- May 2020 1-2 days	Every Semester	Continue from last plan	Improvement in Job placement	Rs. 3.0 Lakh

29.	STTP on Six Sigma	Arrange training	Dr. S. B. Rane	SPCE	May 2020 5 Days	Every Semester	Continue from last plan	Improvement in Job placement	Rs. 3.5 lakh
30.	FDP on Introduction to Augmented Reality	Arrange training	Dr. R. B. Buktar	SPCE	May2020 3 days	Every Semester	Continue from last plan	Improvement in Job placement	Rs. 1.5 lakh
31.	Industry Visit Visit to Dahanu Power plant Visit to RCF Trombay Visit to Mahindra & Mahindra Visit to Mahananda Dairy	Arrange industry visit	Dr. S.S. Umale Prof. Parag Muley Prof. MeghaJanbandhu Prof. Haseen Shaikh	SPCE	Jan-Sep. 2020 1-2 days	Every month	Continue from last plan	Improvement in Job placement	Rs. 3 lakh
32.	Guest lecture from Industry Person	Arrange guest lecture	Department faculty	SPCE	Jan-Sep 2020	Every month	Continue from last plan	1.Improvement in students learning 2.Better Transition rate.	Rs 0.50 Lakh
33.	MOOC's and Digital Learning (NPTEL/SWAYAM)	Facilitate MOOC registration	HOD-MED	All students & Faculties of Mechanical Engineering	Jan-Sep. 2020	Every Semester	Continue from last plan	1. Improvement in students learning. 2. Better Transition rate.	Rs. 0.50 lakh
34.	Remedial Coaching	Conduct remedial coaching	HOD-MED	All students & Faculties of Mechanical	Jan-Sep. 2020	Every Semester	Continue from last plan	1. Improvement in students learning & transition rate	Rs. 0.50 lakh

35.	Workshop on MEMS	Arrange workshop	Dr. K. S. Bhole	SPCE	May 2020 1-2 days	Every Semester	Continue from last plan	Improvement in Job placement	Rs. 1 lakh
36.	Training on experimental techniques for fatigue and fracture testing	Arrange training	Dr. N. R. Raykar and Prof. D. N. Jadhav	SPCE & BISS	May 2020 2 days	Every semester	New	Improvement in student learning	Rs. 1 lakh
37.	Training on Machine Learning	Arrange training	Dr. N. R. Raykar	SPCE	May 2020 5 days	Every semester	New	Improvement in student learning	Rs. 2.5 lakh
								Total =Rs 70.51 lakh	

Part B: For Minor Civil works

Sl. No.	Activity	Coordinator from the institute	Executing agency	Date& duration	Indicator to measure outcome	Estimated Expenditure
1.						
2.						

Total Part A +B= Rs 70.51 Lakh