

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (PHASE - III)
Equity Action Plan for (April 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	Aug 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	Sept. 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	Sept 2020 5 Days	Every Semester	Continue from last plan	Improvement in Job placement	Rs. 1.5 lakh
4.	Software Training on ETABS/STAA	1.3.2.1	Dr.A.A.Bage Prof. A.Deshpande	Computer Help, Mumbai	Aug 2020 5 Days	Every Semester	Continue from last plan	Improvement in Job placement	Rs.2.0 lakh

	D/ MIDAS								
5.	Advanced Concrete Mix Design Workshop	1.3.2.4	Dr. P.G. Gaikwad Prof. S.J. Kumbhar	SPCE & Ambuja Cements	August 2020 2 Days	Every Semester	Continue from last plan	Improvement in Job placement	Rs. 1 lakh
6.	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
7.	Industry Visit Visit to Port 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. P. P. Nagrale Dr.A.A.Bage Dr.A.R.Kambekar Dr. P.G. Gaikwad Dr.HansaJeswani Dr.A.N.Ghadge Prof. S.J. Kumbhar	SPCE	Aug to Sept. 2020	Every Semester	Continue from last plan	Improvement in Job placement	Rs. 4.0 lakh
8.	Guest lecture from Industry Person	1.3.2.6 1.3.2.7	Dr.M.M.Murudi All faculty members	SPCE	July to Sept 2020	Every Semester	Continue from last plan	1.Improvement in students learning 2. Better Transition rate placement	Rs. 0.5 lakh
9.	MOOC's and Digital Learning (NPTEL/SWAYAM)	1.3.2.1 1.3.2.6 1.3.2.7	Dr. P.G. Gaikwad	All students & Faculty members of Civil Engineering	April to Sept 2020	Every Semester	Continue from last plan	1.Improvement in students learning 2. Better Transition rate placement	Rs. 0.5 lakh

10.	Remedial Coaching	1.3.2.1	Dr.M.M.Murudi	All Faculty members of Civil Engineering	April to Sept 2020	Every Semester	Continue from last plan	1.Improvement in students learning 2. Better Transition rate placement	Rs. 0.5 lakh
11.	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
12.	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
13.	GATE Coaching	1.3.2.1 1.3.2.3	Prof.Ushma Shah	All students Final year Students (C/M/E)	April 2020 to Sept 2020	Every Year	Continue from last plan	1Improvement in students learning 2Improvement in Job placement	Rs. 3.6 lakh
14.	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
15.	Induction Programme for faculty (3 Days)	1.3.2.4	Dr.A.A.Bage	SPCE	July. 2020	Once in year	New	To become trainers for other Institutes.	Rs. 0.5 lakh
16.	Induction Programme for faculty (7Days)	1.3.2.4	Dr.A.A.Bage	SPCE	Aug 2020	Once in year	New	To become trainers for other Institutes.	Rs. 1.5 lakh

17.	Training for students (SELP) Student excellence learning Programme	1.3.2.3	Dr.A.A.Bage	SPCE	Aug to Sept 2020	Once in year	New	Improvement in students learning	Rs. 1.5 lakh
18.	MCEP for faculty 6	1.3.2.9	Dr.A.A.Bage	SPCE	Aug/ Sept 2020	Once in year	New	Improvement in overall administration of the department.	Rs. 1.5 lakh
19.	3 Day Training on MSP& Primavera	1.3.2.3	Dr.A.N. Ghadge	SPCE	Aug to Sept 2020	Once in year	New	Improvement in students learning	Rs. 0.51 lakh
20.	2 Day Training on BIM	1.3.2.3	Dr.A.N. Ghadge	SPCE	Aug to Sept 2020	Once in year	New	Improvement in students learning	Rs. 0.5 lakh
21.	2 Day Training on Autoscan ,Auto steel & Newton Software	1.3.2.3	Dr.A.N. Ghadge	SPCE	Aug to Sept 2020	Once in year	New	Improvement in students learning	Rs. 0.6 lakh
22.	2 day Training on Waste water Treatment at RCF	1.3.2.3	Dr.A.N. Ghadge	SPCE	June 2020	Once in year	New	Improvement in students learning	Rs. 1.0 lakh
23.	Software demo: FREW and GRETA	1.3.2.3	Kshitija Nadgouda	Oasys	August 2020	One time	New	Use of software for B Tech project	Rs. 0.3 lakh
24.	One Day Visit	1.3.2.3	Dr Hansa Jeswani	SPCE	Sept 2020	Once in year	Continue from	Improvement	1.2 Lakh

	to RCF						last plan	in students learning	
25.	Software training on Teaching Learning	1.3.2.4	Dr Hansa Jeswani	SPCE	Sept 2020	Once in year	New	Improvement in Teaching & Learning process	0.1 Lakh
ELECTRICAL ENGINEERING DEPARTMENT									
26.	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 applications 9. Automation (Association with industry)	1.3.2.1 1.3.2.3	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 July to Sept 2020	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.	Rs.3.0 Lakh
27.	Remedial	1.3.2.1	All faculty	SPCE/RCE	Maximum 10		Continue from		

	Coaching		members conduct remedial coaching for their courses.		hrs per course per semester as per requirement June 2020		last plan		Rs. 1.5 lakhs
28.	STTP for faculty 1.Linear and Non linear optimization 2. Numerical protection 3. Pedagogy	1.3.2.4	Dr. AnupaSabnis Dr. Swati Lavand Prof. V. P. Joshi	SPCE/RCE	One week June to Sept 2020	. Once in each semester	New		Rs. 8.0 Lakhs
29.	MOOC's and Digital Learning (NPTEL/SWAYAM)	1.3.2.1 1.3.2.6 1.3.2.7	Dr. Anupa Sabnis	All Faculty members & Students of Electrical Engineering	April to Sept 2020	Every Semester	Continue from last plan	1.Improvement in students learning 2. Better Transition rate placement	Rs. 0.5 lakh
MECHANICAL ENGINEERING DEPARTMENT									
30.	Industry training to faculty on Process Plant Operation and Engineering	1.3.2.1 1.3.2.3	Dr. N. R. Raykar Prof. MeghaJanbandhu	SPCE & RCF	May2020 2 Days	Every Semester	Continue from last plan	Faculty development	Rs. 0.25 lakh
31.	Training on Thermal Power Plant Engineering and Operations	1.3.2.1 1.3.2.3	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
32.	Training	1.3.2.1	Dr. N. R. Raykar	SPCE	May 2020		Continue from	Improvement	Rs. 1.5 lakh

	program on 'Advanced Mechanical Equipment and Best Maintenance practices in industry'	1.3.2.3	Prof. MeghaJanbandhu	& RCF	3 Days	Every Semester	last plan	in Job placement	
33.	Training on Product design an Engineering Simulation	1.3.2.1 1.3.2.3	Dr. Kiran Bhole Dr. B. N. Bhasme	SPCE & CEMS	May 2020 6 days	Every semester	New	Improvement in Job placement	Rs. 3.5 lakh
34.	5 Day STTP for Students under Twinning	1.3.2.1 1.3.2.3	Dr. S. B. Rane	SPCE	May 2020 (5 days)	Every Semester	Continue from last plan	Improvement in Job placement	Rs. 3 lakh
35.	Software Training on 1. PYTHON for Mechanical Engineers 2. Solid Modelling using CATIA for Mech. Engineers ANSYS software	1.3.2.1 1.3.2.3	Dr. N. R. Raykar Prof. KunalBhavsar Prof. Sharad Valvi	SPCE	May-September 2020 1-2 days	Every Semester	Continue from last plan	Improvement in Job placement	Rs. 3.0 Lakh
36.	STTP on Six Sigma	1.3.2.1 1.3.2.3	Dr. S. B. Rane	SPCE	May 2020 5 Days	Every Semester	Continue from last plan	Improvement in Job	Rs. 3.5 lakh

								placement	
37.	FDP on Introduction to Augmented Reality	1.3.2.1 1.3.2.3	Dr. R. B. Buktar	SPCE	May2020 3 days	Every Semester	Continue from last plan	Improvement in Job placement	Rs. 1.5 lakh
38.	Industry Visit Visit to Dahanu Power plant Visit to RCF Trombay Visit to Mahindra & Mahindra Visit to Mahananda Dairy	1.3.2.1 1.3.2.3	Dr. S.S. Umale Prof. Parag Muley Prof. MeghaJanbandhu Prof. Haseen Shaikh	SPCE	May-Sep. 2020 1-2 days	Every month	Continue from last plan	Improvement in Job placement	Rs. 3 lakh
39.	Guest lecture from Industry Person	1.3.2.1	Department faculty	SPCE	May-Sep 2020	Every month	Continue from last plan	1.Improvement in students learning 2.Better Transition rate.	Rs 0.50 Lakh
40.	MOOC's and Digital Learning (NPTEL/SWAYAM)	1.3.2.1 1.3.2.6 1.3.2.7	HOD-MED	All students & Faculties of Mechanical Engineering	July-Sep. 2020	Every Semester	Continue from last plan	1.Improvement in students learning. 2.Better Transition rate.	Rs. 0.50 lakh
41.	Remedial Coaching	1.3.2.1	HOD-MED	All students & Faculties of Mechanical Engineering	June-Sep. 2020	Every Semester	Continue from last plan	1.Improvement in students learning. 2.BetterTransiti on rate.	Rs. 0.50 lakh

42.	Workshop on MEMS	1.3.2.1 1.3.2.3	Dr. K. S. Bhole	SPCE	May 2020 1-2 days	Every Semester	Continue from last plan	Improvement in Job placement	Rs. 1 lakh
43.	Training on experimental techniques for fatigue and fracture testing	1.3.2.1 1.3.2.3	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
44.	Training on Machine Learning	1.3.2.1 1.3.2.3	Dr. N. R. Raykar	SPCE	May 2020 5 days	Every semester	New	Improvement in student learning	Rs. 2.5 lakh
45.	FDP on domain subject	1.3.2.4	Prof. Haseen Shaikh	SPCE	June 2020	Every semester	New	Faculty development	Rs. 0.5 lakh
46.	In-House Laboratory Development	1.3.2.1	Prof. P K Muley	SPCE	Apr-Sep 2020	This Year	New	Improvement in student learning	Rs. 2.5 lakh
								Total =Rs 73.06lakh	

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 73.06 Lakh