

## St. Joseph Technical School

Established in 1963

Don Bosco Centre for Learning, Opp. Premier Automobile Road, Kurla (West), Mumbai – 400 070.

www.boscotech.in

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Annual Report Aug 2019 – July 2020

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#### **Brief of Institution**

St. Joseph Technical School (St. Joseph Industrial Training Institute) which is a Don Bosco Institution, its establishment was inspired by the mission of the Salesians which is to provide livelihood skills to the youth especially the poor and deprived. The Salesians are a worldwide religious congregation who source their inspiration from their founder St. Don Bosco.

It was established in the year 1965 with formal recognition sought in the year 1972 from National Council for Vocational Training (NCVT) for the trade of Turner & Fitter. Subsequently other trades like Machinist, Electricians, Electronic Mechanics, Mechanic Motor Vehicle & Draughtsman (Mechanical) were added.

In the year 2015 S.J.I.T.I. got affiliation from MSBVEE for diploma & certificate courses in Automobile and certified course in Refrigeration & Air-Conditioning.

Apart from the above S.J.I.T.I. conducts many non-formal courses of 1 year duration like Fitter, Machinist. Domestic Wireman, Electronics Mechanic, Mechanic 4 Wheeler, Draughtsman Mechanical.

SJITI also conducts various short term courses for Autocad, Plumbing (Grohe), Solidworks, CNC Programming & Operating (Siemens), Earn while you & Service Advisor (Volkswagen).

In recent times SJITI has also added a new vertical of enhancing the skill of existing workers, for which short term programs are developed as per the industry requirements and delivered as per industry standards.

SJITI already has tie-ups with various industries for training & placement namely:

- 1. Toyota (GT) 03/04/2006 Toyota (BP)– 04/02/2015
- 2. Grohe 7/11/2009
- 3. Acme 17/09/2011
- 4. Godrej 5/8/2013
- 5. Volkswagen 30/08/2013
- 6. Tata motors 19/09/2013
- 7. Siemens 17/04/2014
- 8. Schneider Electric 30/07/2014
- 9. Ford 10/12/2014
- 10. Mahanagar Gas 29/07/2015
- 11. CUMI 1/11/2016
- 12. Daikin 17/01/2017
- 13. Tata Hitachi 31/05/2017
- 14. Supreme Enterprises 20/11/2016
- 15. Motul 30/04/2018
- 16. Mahindra & Mahindra 30/09/2019
- 17. Schueco 01/02/2020

#### Memberships

- 1. Skills for Progress (SKIP)
- 2. Indian Society of Heating Refrigerating and Air Conditioning (ISHRAE)
- 3. Indian Plumbing Association (IPA)
- 4. Association of Non-Government ITI (ANGITI)
- 5. Confederation of Indian Industries (CII)
- 6. Don Bosco Tech. India (DB Tech)

#### **Achievements and Reflection**

**Achievement 1:** MoU with Mahindra & Mahindra for implementation partner for DST trades – 30/09/ 2019

#### **Achievements**

St. Joseph ITI collaborated with Mahindra & Mahindra, Kandivli Plant for executing the DST MoU for the trades of Mech. Auto Body Repair & Mech. Auto Body Painting.

#### Reflection

 Through this MoU the trainees will get an exposure / On Job Training in various Mahindra & Mahindra plants. In turn this will enhance the skills, knowledge and employability of the trainees and also giving them an opportunity to get placed in the organistaion.

**Achievement 2:** Setting up of Electronic System Maintenance (CCTV Security System) training facility in collaboration with Godrej -

#### **Achievements**

Godrej & Boyce has set up an Electronics System Maintenance Lab.

#### Reflection

This will be an add on program for the trainees of Electrician & Electronics Mech.
 This program will open avenues of Entrepreneurship and enhance the employment opportunity.

Achievement 3: Upgradation of Refrigeration and Air-Conditioning Lab & upgradation of Automation Lab by grant of Rs 97 lakhs received from BPCL – 27/01/2020

#### **Achievements**

BPCL has sponsored for upgradation of SJITI facilities for the 3<sup>rd</sup> straight year by giving a grant in aid to the institute of Rs 97 lakhs.

#### Reflection

- Due to this intervention SJITI was able to formally affiliate its Refrigeration & Air-Conditioning Course under NCVT.
- This grant in aid has helped the institute to enhance the automation facility and further will help to affiliate a Technician Mechatronics course under NCVT, starting from new session in August 2021.

**Achievement 4:** MoU with Schueco for introducing module on façade installation (Add on for Fitter trade) - 01/02/2020

#### **Achievements**

This is a add on program that skills the trainees of Fitter and Draughtsman Mechanical by integrating a special focus on the planning and fabrication of aluminum windows and doors. This collaboration was initiated by Don Bosco Mondo, Germany. To initiate this project Schueco, Germany has sponsored Rs 26 lakhs.

#### Reflection

- 1<sup>st</sup> phase of the project has completed in June 2020.
- 5 trainees from Fitters were short-listed for On Job Training, with a stipend of Rs 15,000/- p.m.

**Achievement 5:** Scholarships from Mahanagar Gas Ltd. – 01/07/2020

#### **Achievements**

 Mahanagar Gas Ltd. sponsored the training fees of 75 trainees from the underprivileged/low income background with a scholarship of Rs.18.5 lacs.

#### Reflection

• This was a welcome relief to the parents who were struggling with their finance due to the pandemic and were unable to pay the institute training fees.

#### Achievement 6: Grading of 3.33 received - 27/07/2020

#### **Achievements**

St Joseph ITI was awarded a grade of 3.33 by the Ministry of Skill Development & Entrepreneurship, Govt. of India. As per current rating Institute ranked second in Maharashtra.

#### Reflection

• Initial institute had received the grading of 1.94. Later institute raised its grievance to the grievance committee, after which the grading was revised to 3.33. However, institute is not happy with the grading awarded; hence one more grievance has been raised to the appellate committee. With the current rating of 3.33, institute stands at 3<sup>rd</sup> position in the state of Maharashtra.

#### **Achievement 7:** Training program through Online Mode – 01/04/2020 – On Going

#### **Achievements**

Institute overcame the challenges caused by the pandemic, by offering online training to its trainees by using various digital platforms.

#### Reflection

 Currently institute is using following training platforms (Zoom, Google Meet, Google Class, WebEx etc.). It is need of the hour that institute has a robust learning management system, coupled with blending learning system. In future institute will continue with its online mode of training for certain subjects at certain percentage.

## **Courses Offered Intake, Filled & Dropout Rate**

Sr.	NCVT	Session 2	2019-2020	Under	Drop out
No.	NCVT	Intake	Filled	Training	Drop out
1	Fitter	20	20	20	0
2	Machinist	20	19	14	5
3	Electrician	20	20	19	1
4	Electronics Mech.	24	23	22	1
5	Draughtsman Mech.	20	10	10	0
6	Mech. Motor Vehicle	48	48	48	0
7	Refrigeration and Air Conditioning Technician	24	24	24	0
8	Mechanic Auto Body Repair	20	4	3	1
9	Mechanic Auto Body Painting	20	9	7	2
10	Mechanic Two and Three Wheeler	20	17	16	1
11	Plumber	24	21	21	0
	Sub Total (A)	260	215	204	11
	Percentage		82.69%	94.88%	5.12%

Sr. No.	MSBVEE	Intake	Filled	Under Training	Drop out
1	Ref & A.C.	30	16	15	1
2	CC A.M.T.	30	30	30	0
	Sub Total (B)	60	46	45	1
	Percentage		76.66%	97.82%	2.22%

Sr. No.	Non-Formal	Intake	Filled	Under Training	Drop out
1	Fitter	5	0	0	0
2	Machinist	5	0	0	0
3	Domestic Wireman	10	6	6	0
4	Electronics Mech.	5	0	0	0
5	Draughtsman Mech.	5	0	0	0
6	Mech 4 Wheeler	5	1	1	0
7	Auto Body Repair	5	1	0	1
8	Auto Paint Repair	5	2	2	0
9	2 & 3 Wheeler	5	4	4	0
10	Ref & A.C.	5	0	0	0
11	Sanitary Hardware	5	0	0	0
	Sub Total (C)	60	14	13	1
	Percentage		23.33%	92.85%	7.69%

Sr. No.	Short Term	Intake	Filled	Under Training	Drop out
1	CNC Programming & Operating (Siemens)	N.A.	16	16	0
2	Plumbing	N.A.	1	1	0
3	Service Advisor (Volkswagen).	N.A.	N.A.	0	0
4	Schneider Advanced Industrial Electric	N.A.	N.A.	0	0

Sr. No.	Corporate Training	Intake	Filled	Trained	Drop out
1	Mahanagar Gas	N.A.	N.A.	3556	N.A.
	Grand Total (Sub Total A+B+C)	380	275	262	13
	Percentage			95.27%	4.96%

#### **Additional Events & Activities:**

- Conducted a Group Instructor Training Programme for Govt. ITI's from 25th to 29th February 2020
- Pre Vocational Instructor Training Programme for Govt & Govt aided schools on Elements of Mechanical Technology - V2 & V3 New Syllabus (NSQF Base) from 11th February to 07th March 2020

#### **Staff Status**

Sr. No.	Designation	Sanctioned Post	Filled Post	Vacant
1	Principal	1	1	0
2	Group Instructor / Supervisory Staff	1	1	0
3	Placement Officer	1	1	0
4	Trade Instructor	17	17	0
5	Subject Instructor	7	7	0
6	Trade Instructors (Private course)	3	3	0
7	Project	4	4	0
8	Store Keeper	1	1	0
9	Office Staff	2	2	0
10	Maintenance	2	2	0
11	Support Staff	1	1	0

#### **Support for Staff Development**

St. Joseph I.T.I. believes in professional & personal development of its staff, because it ensures them to be competent in their profession. Below mentioned list of programs were conducted to ensure the same.

Sr. No.	Name of Program	No. of Staff trained
1.	F.D.P.	0
2.	TOT Toyota	1
3.	Instructor Sponsorship for higher education	1
4.	Management Development Plan	0
5.	Instructor Industry Training	0
6.	Online Training Program	5

#### **Support for Trainee Development**

St. Joseph's I.T.I. believes in a holistic development of our trainees. Every year along with academics, S.J.I.T.I. celebrates different events & development programs in our Institute namely.

- 1. Mass animation for catholic trainees and prayer service for trainees of other faith
- 2. Counselling Session
- 3. Inauguration of new scholastic year
- 4. Teachers Day
- 5. Entrepreneurship Development Program
- 6. Sports Festival
- 7. Karjat Leadership Camps
- 8. Annual Day
- 9. Industrial Visit
- 10. Guest Lectures by Industry Professionals
- 11. On Job Training
- 12. Road Saftey
- 13. Safety poster competition
- 14. Kaizen Competition etc.

#### **Trainee Performance**

During this academic year below is the count of trainees passed.

Sr. No.	Particulars	Count of Trainees Passed	Passing Percentage
1	NCVT	*	*
2	MBSVEE	*	*
3	Private/Joint Certification	14	100.00%
		Overall Percentage	100.00%

<sup>\*</sup> Results are yet to be declared

#### **Scholarships**

Rs 11,50,000/- received from Mahanagar Gas Ltd. benefiting 50 trainees & Rs 18,50,000/- received from Mahanagar Gas Ltd. benefiting 75 trainees.

#### **Placements**

SJITI has a placement cell managed by a dedicated placement officer, who keeps on liaising with various industries for apprenticeship and placement opportunities. During the academic year 2019-2020 our placement percentage was below:

- 1. NCVT Certified Trades 73.08%
- 2. MSBVEE Certified Trades 70.83%
- 3. Private/Joint Certified Trades 53.22%

A pre-placement aspiration form is filled by all the trainees, wherein the trainees express their desire for placement through the placement cell, self-employment, higher education or not interested in placements. This year 25.41% of trainees have opted not to seek for employment, whereas 7.08% of trainees wish to seek for higher education.

#### **Financial Summary**

Institute manages its finances by the fees collected from its trainees and with the assistance / donations received from industries from its CSR programs. The fees details are given below

Fee Structure			
Trade	Annual Fee		
N.C.V.T. Certified Courses (Machine Trade)	33,000.00		
N.C.V.T. Certified Courses (Non -Machine Trade)	27,500.00		
M.S.B.V.E. & Bosco Tech. Certified Courses	22,000.00		

A/c's are being audited by the auditor appointed by the trust. Anil Thakrar & Co. is the auditor for the current financial year.

**Projects - Planned vs Executed 2019-2020** 

Sr. No.	Planned	Executed	Remark
31. NO.	Fiailleu	Executed	
1.	Setting up of Solar Lab	Extended	Planned last year but extended due to pandemic for 2021-22
2	Upgradation of	23/07/2020	
2.	Automation Lab	25/01/2020	-
	Upgradation of		
3.	Refrigeration & Air-	23/07/2020	-
	conditioning Lab		
	Starting Mech.		
4.	Mechatronics NCVT	Delayed	Delayed due to Pandemic
	affiliated program		
	Change of institute name		
5.	from St. Joseph I.T.I. to	07/12/2020	-
	Don Bosco I.T.I.		
6.	Separate entrance for	Delayed	Delayed due to lack of finance
<u> </u>	SJITI	Dolayou	2014,04 dae to laok of financo

#### **Future Planning 2020-2021**

- Setting up of Solar Lab
- Upgradation of Automation Lab
- Starting Mech. Mechatronics NCVT affiliated program
- Separate entrance for SJITI.

- \* Future Planning 2021-2025
- Partnering with industry for offering Skill Enhancement programs
- Tracer study to be done for the existing courses
- Establishing a career guidance cell
- Establishing Entrepreneurship cell
- Initiating school connect program
- Starting E-Vehicle MSBVEE/ASDC/Institute/Industry affiliated program
- Setting up an Incubation and Innovation cell
- Collaboration with a foreign vocational institute

#### **Projects in Pipeline 2020-2021**

Livelihood generation through skill training for the economically weaker sections of society
 & Capacity Building of Govt. ITI's in collaboration with Mahindra

## **Appendix** I

### **Result Summary of AITT July 2019**

1<sup>st</sup> Annual \* (2018-2020)

Trade	Appeared	Pass	Fail	Pass %
Fitter	19	19	0	100.00%
Machinist	12	9	3	75.00%
Electrician	20	16	4	80.00%
Electronic Mech.	25	22	3	88.00%
Draughtsman Mechanical	18	17	1	94.44%
Mech. Motor Vehicle	21	19	2	90.48%
Overall %	115	102	13	83.47%

4<sup>th</sup> Semester \* (2017-2019)

Trade	Appeared	Pass	Fail	Pass %
Fitter	19	17	2	89.47%
Machinist	15	14	1	93.33%
Electrician	20	20	0	100.00%
Electronics Mech.	21	21	0	100.00%
Draughtsman Mech.	21	21	0	100.00%
Mech. Motor Vehicle	39	37	2	94.87%
Overall %	135	130	5	96.29%

<sup>\*</sup> Published this year as exam results were not declared when last year's report was published

## **Appendix** II

## **Result Summary of AITT July 2020**

1<sup>st</sup> Year \*\* (2019-2021)

Trade	Appeared	Pass	Fail	Pass %
Fitter	-	-	-	-
Machinist	-	-	-	-
Electrician	-	-	-	-
Electronics Mech.	-	-	-	-
Draughtsman Mech.	-	-	-	-
Mech. Motor Vehicle	-	-	-	-
Refrigeration and Air Conditioning Technician	-	-	-	-
Mechanic Auto Body Repair	-	-	-	-
Mechanic Auto Body Painting	-	-	-	-
Mechanic Two and Three Wheeler	-	-	-	-
Plumber	-	-	-	-
Overall %	-	-	-	-

<sup>\*\*</sup> Exams are yet to be scheduled

2<sup>nd</sup> Year \*\*\* (2018-2020)

			/	
Trade	Appeared	Pass	Fail	Pass %
Fitter	19	-	-	-
Machinist	14	-	-	-
Electrician	20	-	-	-
Electronic Mech.	22	-	-	-
Draughtsman Mechanical	17	-	-	-
Mech. Motor Vehicle	20	-	-	-
Overall %	112	-	-	-

<sup>\*\*\*</sup> Partial exams have been conducted

## **Appendix** III

## Result Summary of MSBVEE 2019-2020

Trade	Appeared	Pass	Fail	Pass %
C.C. in Refrigeration & Air Conditioning Mech.	15	13	2	86.67%
C.C. in Automobile Mechanic Technician	30	-	-	-
Overall %	45	13	1	86.66%

<sup>\*\*\*\*</sup> Results are awaited

## **Appendix IV**

### **Result Summary of Private/Joint Certification 2018-2020**

Trade	Appeared	Pass	Fail	Pass %
Fitter	-	1	-	
Machinist	1	1	-	100.00%
Draughtsman Mech.	-	-	-	-
Overall %	1	1	-	100.00%

## **Result Summary of Private/Joint Certification 2019-2020**

Trade	Appeare d	Pass	Fail	Pass %
Fitter	-	-	-	-
Machinist	-	-	-	-
Domestic Wireman	6	6	0	100.00%
Electronics Mech.	-	-	-	-
Draughtsman Mech.	-	-	-	-
Auto Body Repair	-	-	-	-
Auto Paint Repair	2	2	0	100.00%
2 & 3 Wheeler	4	4	0	100.00%
Mech 4 Wheeler	1	1	0	100.00%
Plumbing	-	-	-	-
Ref & A.C.	-	-	-	-
Overall %	13	13	0	100.00%

## **Appendix V**

## Placement Summary for NCVT 2017-2019

Trade Appeared Eligible for Employment		ligible for nployment	Not	Employment	Wage Employment	Apprenticeship Engagement	Higher Studies	Self-Employment	Not-interested for placement
	`	9	Failed	Under Aged	Wag	Ap	ЭìН	JieS	Not-
Fitter	19	17	2	0	3	12	0	0	2
Machinist	15	14	1	0	2	11	0	0	1
Electrician	20	20	0	0	2	10	0	0	8
Electronics Mech.	21	21	0	0	2	16	0	0	3
Draughtsman Mech.	21	21	0	0	18	0	0	0	3
Mech. Motor Vehicle	39	37	2	0	14	5	0	0	18
Total	135	130	5	0	41	54	0	0	35
% against Eligible					31.54%	41.54%	0.00%	0.00%	26.92%

## **Appendix VI**

## Placement Summary for MSBVEE 2018-2019

Trade	Trade Appeared Eligible for Employment		Not Eligible	Employment	Employment	Apprenticeship Engagement	Higher Studies	Self-Employment	Not-interested for placement
	4		Failed	Under Aged	Wage	App	Hig	Self-	Not-i
C.C. in Refrigeration & Air Conditioning Mech.	30	25	5	0	18	N.A.	2	0	5
C.C. in Automobile Mechanic Technician	30	23	7	0	16	N.A.	2	0	5
Total	60	48	12	0	34	N.A.	4	0	10
% against Eligible					70.83%	N.A.	8.33%	0.00%	20.83%

### **Appendix VII**

## **Placement Summary of Private/Joint Certification 2017-2019**

Trade	Appeared	Eligible for Employment	Not Eligible	for Employment	Employment	Apprenticeship Engagement	ner Studies	Self-Employment	Not-interested for placement
	⋖	Er	Failed	Under Aged	Wage	App En	Higher	Self-	Not-ii pl
Fitter	5	4	1	0	2	0	0	0	2
Machinist	-	-	-	-	-	-	-	-	-
Draughtsman Mech.	-	-	-	-	-	-	-	-	-
Total	5	4	1	0	2	0	0	0	2
% against Eligible					50.00%	0.00%	0.00%	0.00%	50.00%

### Placement Summary of Private/Joint Certification 2018-2019

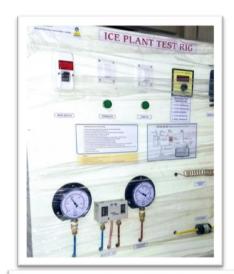
Trade	Appeared	ppeared	Eligible for Employment	Not Eligible	for Employment	Wage Employment	Apprenticeship Engagement	Higher Studies	Self-Employment	Not-interested for placement
		Elli	Failed	Under Aged	Wage	Appr Eng	High	Self-E	Not-in pl	
Fitter	1	1	-	-	1	-	-	-	-	
Machinist	-	-	-	-	-	-	-	-	-	
Domestic Wireman	5	4	1	-	3	-	1	-	-	
Electronics Mech.	-	-	-	-	-	-	-	-	-	
Draughtsman Mech.	-	-	-	-	-	-	-	-	-	
Auto Body Repair	13	13	-	-	8	-	3	-	2	
Auto Paint Repair	6	6	-	-	4	-	2	-		
2 & 3 Wheeler	19	17	2	-	7	-	3	-	7	
Mech 4 Wheeler	6	5	1	-	2	-	1	-	2	
Plumbing	6	6	-	-	1	-	3	-	2	
Ref & A.C.	6	6	-	-	5	-	-	-	1	
Total	62	58	4		31		13		14	
% against Eligible					53.45%	0.00%	22.41%	0.00%	24.14%	



# **Equipments Sponsored by Bharat Petroleum Corporation Ltd**



#### For Refrigeration & Air-conditioning & Automation Lab



































## **Guest Lectures**











# Leadership Camp







# **Annual Sports Day**















## **Christmas Celebration**





