



Bharatiya Vidya Bhavan's  
**SARDAR PATEL INSTITUTE OF TECHNOLOGY**  
Munshi Nagar, Andheri (W), Mumbai – 400 058.  
(Autonomous Institute Affiliated to University of Mumbai)

### **3.2: Resource Mobilization for Research**

3.2.2: Number of research projects per teacher funded by government, non-government, industry, corporate houses, international bodies during the last five years

#### Contents

<b>Sr. No</b>	<b>Description</b>	<b>Page No.</b>
1	Copies of the grant award letters for research projects sponsored by government agencies	AY 2022-23
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		AY 2021-22
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		AY 2020-21
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		AY 2019-20
		5
		AY 2018-19
		6

**AY 2022-23**

<b>Sr. No.</b>	<b>Name of the PI/ Co-PI/Name of the person holding the Chair</b>	<b>Title of the research project, endowments, Research Chairs</b>	<b>Name of the funding agency</b>	<b>Duration</b>	<b>Amount In Lakhs</b>	<b>Page No.</b>
1	Dr. S. S. Sawant	Design and Development of fully automated pressure and vacuum controlled Precision Induction casting machine	University of Mumbai	1 Year	70	7-9

**AY 2021-22**

<b>Sr. No.</b>	<b>Name of the PI/Co-PI/Name of the person holding the Chair</b>	<b>Title of the research project, endowments, Research Chairs</b>	<b>Name of the funding agency</b>	<b>Duration</b>	<b>Amount In Lakhs</b>	<b>Page No.</b>
1	Dr. Deepak Karia	Real Time Signal Processing Laboratory	University of Mumbai	1 Year	1.4176	10
2	Dr. Y. S. Rao	Development of Renewable Energy Laboratory	University of Mumbai	1 Year	8.8	11-12

**AY 2020-21**

<b>Sr. No.</b>	<b>Name of the PI/ Co-PI/Name of the person holding the Chair</b>	<b>Title of the research project, endowments, Research Chairs</b>	<b>Name of the funding agency</b>	<b>Duration</b>	<b>Amount In Lakhs</b>	<b>Page No.</b>
1	Dr. Deepak Karia	Medicine Delivering Smart Autonomous Vehicle	University of Mumbai	1 Year	0.15	In Processing
2	Dr. K. T. Talele	IoT Lab Development	University of Mumbai	1 Year	10	13

**AY 2019-20**

<b>Sr. No.</b>	<b>Name of the PI/ Co-PI/Name of the person holding the Chair</b>	<b>Title of the research project, endowments, Research Chairs</b>	<b>Name of the funding agency</b>	<b>Duration</b>	<b>Amount In Lakhs</b>	<b>Page No.</b>
1	Prof.Surekha Dholay	Improving Dropouts Rates using Adaptive Learning System in MOOC Courses	University of Mumbai	1 Year	0.3	14
2	Prof. Anand Mane	Study of electromagnetic radiations in urban areas and its health hazzards	University of Mumbai	1 Year	0.25	15
3	Prof. Manish Parmar	Autonomous package dispatcher bot using video processing	University of Mumbai	1 Year	0.25	16
4	Prof. Dayanand Ambawade	PRIMA: product for instant malarial assessment	University of Mumbai	1 Year	0.25	17
5	Dr. Pooja Raundale	IoT based biomedical waste classification, quantification and management system	University of Mumbai	1 Year	0.6	18
6	Dr. Aarti Karande	Smart iot based water monitoring system	University of Mumbai	1 Year	0.55	19
7	Prof. Pallavi Thakur	Helping Hand	University of Mumbai	1 Year	0.25	20
8	Prof. Priya Deshpande	LabVIEW based automatic data acquisition system for detection of type of Tumor cells using Electrical Impedance Tomography	University of Mumbai	1 Year	0.2	21
9	Prof. Payal Shah	Design of IOT enabled multi-parameter measurement system for water Quality Monitoring	University of Mumbai	1 Year	0.15	22
10	Dr. Surendra Rathod	Development of advanced digital laboratory	University of Mumbai	1 Year	8.8	23-24
11	Prof. Jignesh Sisodia	Drug quality check throughout supply chain using block chain	University of Mumbai	1 Year	0.4	25
12	Prof.Rupali Sawant	Personalised diet monitoring and control systems for healthy life	University of Mumbai	1 Year	0.3	26
13	Prof. Nikhahat Mulla	Autonomous Quadcopter using deep reinforced learning	University of Mumbai	1 Year	0.3	27
14	Prof. Sunil Ghane	Portfolio risk mitigation and assessment using market analysis	University of Mumbai	6 months	0.15	In Processing
15	Prof. Pramod Bide	Event detection in social media streams	University of Mumbai	6 months	0.25	In Processing

**AY 2018-19**

<b>Sr. No.</b>	<b>Name of the PI/ Co-PI/Name of the person holding the Chair</b>	<b>Title of the research project, endowments, Research Chairs</b>	<b>Name of the funding agency</b>	<b>Duration</b>	<b>Amount in Lakhs</b>	<b>Page No.</b>
1	Prof. Sheetal Chaudhari	Automated Intelligence surveillance system for detecting suspicious behaviour	University of Mumbai	1 Year	0.3	28
2	Prof. Swapnali Kurhade	Summarization and storage of Legal documents	University of Mumbai	1 Year	0.25	29
3	Prof. Renuka Pawar	Education Using Augmented Reality	University of Mumbai	1 Year	0.32	30
4	Prof. Reena Sonkusare	Image processing for facial and emotional and developing models for analyse and predict drivers behaviour	University of Mumbai	1 Year	0.25	31
5	Prof. Milind Paraye	Implementation of Maximum Power Point Tracker for solar system	University of Mumbai	1 Year	0.45	32
6	Prof. P V Kasambe	Design, Development and Automation of Bio-Sand Filter	University of Mumbai	1 Year	0.25	33
7	Prof. Najib Ghatte	Universal MODBUS Data Logger	University of Mumbai	1 Year	0.3	34

**SARDAR PATEL INSTITUTE OF TECHNOLOGY**

**Consumables for DST Project**

Sr. No.	Date	Invoice No.	Name of the Vendor	Particulars	Total Amount	Sr. no on bills
1	02-08-2023	2696	Anupam Tools & Equipments	Basic soldering tools & materials	3629	2
2	02-08-2023	2697	Anupam Tools & Equipments	CRO probe, Soldering tools & materials	4779	3
3	03-08-2023	2708	Anupam Tools & Equipments	Bga Flux	767	5
4	03-08-2023	Vi/23-24/812	Vopasha inc	Solder wire	2006	6
5	03-08-2023	PTS/23-24/295	Paramtronics	IPA solution & Hakko tip	1062	7
6	03-08-2023	1739	Nulite wire & insulation	Teflon wire single & Multi strand	1180	8
7	29-08-2023		Sai Stationary & Xerox	Stationary Purchases	40	9
8	04-09-2023	411	Omkar Electronics Lamination	Mouse Pad	100	12
9	09-09-2023	788	Fan shop	Blower Fan	500	14
10	14-09-2023		Fan shop	Blower Fan	50	16
11	14-09-2023		Gala Electronics	IC TC4420CPA x 2	400	17
12	25-09-2023		Ritu Electronics	MOSFET	1280	20
13	25-09-2023		Omkar Electronics Lamination	Mouse Pad	50	21
14	26-09-2023		Sai Stationary & Xerox	Stationary Purchases	287	22
15	06-10-2023	BOM5-1904560	Appario Retail Pvt Ltd.	Computer Mouse	897	23
16	06-10-2023	IN-2206	Alkon Plastics Pvt. Ltd.	Alkon Plastic racks * 2	5560	24
17	09-10-2023	122	Gala Electronics	component Purchase	1620	26
18	09-10-2023	QNCA-20538	Amicikart online services	Digital Energy Meter	1649	27
19	09-10-2023	BLR8-2538600	Appario Retail Pvt Ltd.	Writing note pad	679	28
20	09-10-2023	BLR8-1220	Menko online Trading	40 pcs PCB double sided	738	29
21	09-10-2023	IN-3899	Tayal Electronics	SMD resistors of different values	2888	30
22	10-10-2023	BOM7-1669079	Appario Retail Pvt Ltd.	SSD for computer	4510	31
23	15-10-2023	CA-T/18489	Shree Samarth Medical	Cotton for cleaning	95	32
24	16-10-2023	21236194	Shypme.com	SMD capacitors of different values	1799	33
25	16-10-2023	21236197	Shypme.com	SMD capacitors of different values	1635	34
26	21-10-2023	INV/23-24/54719	Electronicscomp	Schottky diode & Power MOSFET	1066	36
27	28-10-2023		CK electronics	Capacitor	100	38
28	28-10-2023		Gala Electronics	Diodes & Resistors	60	39
29	02-11-2023	818224	Element 14	Schottky diode	4255	47
30	24-10-2023	IN-17210	Amazon	schottky Diodes	398	48
31	09-11-2023	623196	PCB Power	PFC PCB making (PCB POWER)	4290	49
32	07-11-2023	VW/9744	Visha world	SSOP DIP PCB	50	51
33	17-11-2023		Ritu	IGBT's	2400	53
34	17-11-2023			Box capacitors	96	54
35	17-11-2023	2023-24/GST/5716	Glorious	Electrolytic capacitors 680uF 450V	590	55
36	18-11-2023	FY(2023-24)-372	Bhagwati International	Ferrite cores	4809	57
<b>Total</b>					<b>56314</b>	

The Payments for above consumables has been made from SPIT account. Now transfer this amount  
from DST project(PFMS) to SPIT account



# SARDAR PATEL INSTITUTE OF TECHNOLOGY

## Consumables for DST Project

Sr. No.	Date	Invoice No.	Name of the Vendor	Particulars	Total Amount	Sr. no on bills
1	11-11-2023	OMP-2938	Omatom Power	ESP32	1693	59
2	11-11-2023	T2324-5263	Sunrom Technologies	PCB for ESP32	608	60
3	02-12-2023			Electrolytic capacitors 330uF 450V	300	61
4	02-12-2023	3345	Anupam	Mini Dye Grinder & Tap 3mm set	4844	62
5	02-12-2023	333	American nut & bolt	Coller screws & spacers	997	63
6	02-12-2023	VW/10749	Visha world	TP4056 USB protection module	180	64
7	02-12-2023	IN-5142	Tayal Electronics	12V Relay	215	65
8	02-12-2023	IN-5463	Jimmy Jose	4.7uF capacitor	150	66
9	02-12-2023	BOM7-24520	Serplex Trading	Terminals SPL-1	777	67
10	02-12-2023	BOM7-4095730	Cocoblu Retail Limited	A4 paper	310	68
11	02-12-2023	BOM7-3547	Box wish	Wire stripper	725	69
12	02-12-2023	BOM7-4095731	Cocoblu Retail Limited	Ball pen	100	70
13	02-12-2023	IN-592	Guru Electro components	0.1uF capacitor	437	71
14	02-12-2023	IN-58413	Art Ifact	18 Gauge copper wire	499	72
15	02-12-2023	IN-8570	Alfadot Enterprises	To-220 Insulation bush	500	73
16	02-12-2023	IN1057	Sai Fair Brands	Heatsink Insulation pads	405	74
17	05-12-2023		Sai Stationery & Xerox	Double side tape	75	75
18	19-12-2023	O-23-24/10708	Var Tech	861DW SMD rework ststion	19824	76
19	20-12-2023		Hardware store	Drill bit 3mm	80	77
20	20-12-2023	101880253	Digikey	Capacitor & TVS diode	7526	78
21	22-12-2023	INV2324/218743	Robu.in	Components & wires	1593	79
22	26-12-2023	829447	Element14	SIC MOSFET's & Digital IC's	20272	81
23	28-12-2023	BLR8-6894068	Cocoblu Retail Limited	USB Extension cable	399	82
24	28-12-2023	BOM7-4507388	Cocoblu Retail Limited	Fevicryl 3D outliners for PCB	125	83
25	28-12-2023	IN1304	Easy Power	12V 2A power supply x 5	995	84
26	28-12-2023	BOM7-558778	Clicktech Retail Pvt Ltd	Safety Goggles	276	85
27	28-12-2023	IN-1306	Easy Power	15V 800mA power supply	588	86
28	28-12-2023		DHL Express	Custom clearance for Digikey	2603	87
29	29-12-2023	64	V M S Engineers	Aluminium Heatsink	3587	88
30	29-12-2023		Hardware store	Copper winding wire 10 meters	250	89
31	01-01-2024		Ramdev Electric & Hardware	Paint remover	180	90
32	03-01-2024	832145	Element14	Diodes & zeners	4542	91

Total 75655

... has been made from SPIT account. Now transfer this amount from DST

# SARDAR PATEL INSTITUTE OF TECHNOLOGY

## Consumables for DST Project

Sr. No.	Date	Invoice No.	Name of the Vendor	Particulars	Total Amount
1	04-01-2024		Nakoda	winding wire 18 gauge	750
2	05-01-2024		Gala Electronics	lm317	95
3	05-01-2024	3575	Anupam tools & Equipment	tools	1770
4	06-01-1900		Amar Electronics	resistor	25
5	06-01-1900	VW/12481	Visha world	boost converter	245
6	08-01-2024		Hazari tech connect	die grinder cutting tool	150
7	09-01-2024	TY-009797	toyo connectors	connectors	463
8	09-01-2024	VW/12610	Visha world	can modules	450
9	09-01-2024		Porter service	porter delivery	113
10	09-01-2024		Stationary	Stapler	80
11	16-01-2024		Electrical shop	fuse	50
12	17-01-2024	9015	Perfect Electronics	cable HDMI	1357
13	19-01-2024		Porter service	porter delivery	104
14	25-01-2024		Porter service	delivery porter	283
15	25-01-2024	5930567521	Texas Instruments	F280049CPZS microcontroller	3317
16	25-01-2024	5930567530	Texas Instruments	LAUNCHXL-F280049C	16174
17	01-02-2024	T-002583	Sharmica Electricals	cables and contactors	-8243
18	02-02-2024	INV2324/254302	Robu.in	Shunt Resistors	980
19	05-02-2024	VW/13934	Visha world	CAN Controller(MCP2515)	700
20	12-02-2024	VW/14323	Visha world	Buck Converter	340
21	13-02-2024	5930567893	Texas Instruments	UCD3138A64 microcontroller	12367.86
22	13-02-2024	INV2324/264659	Robu.in	HMI Components	1911
<b>Total</b>					<b>49967.86</b>

The Payments for above consumables has been made from SPIT account. Now transfer this amount from DST project(PFMS) to SPIT account

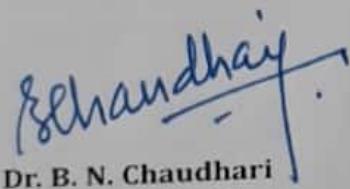
## ANNEXURE - IX

### AUDITED UTILISATION CERTIFICATE

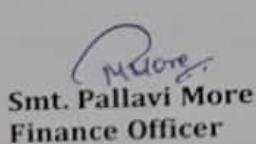
Certified that out of Rs. 1,41,176/- (Rs. One Lakh Forty One Thousand One Hundred Seventy Six Only) of Grant-in-aid sanctioned to Sardar Patel Institute of Technology Bhavans Campus, Munshi Nagar, Andheri(W) Mumbai-58 during the year 2019-20 vide Letter No.:9-181/IDC/MODROB/Policy-1/2019-20 (Application ID), Rs 1,12,941/- (Rs. One Lakh Twelve Thousand Nine Hundred Forty One Only) has been received during the year 2020-21 and Interest earn on received grant was 7,906/- (Rs. Seven Thousand Nine Hundred Six Only). Total Fund available was 1,20,847/- (Rs. One Lakh Twenty Thousand Eight Hundred Forty Seven Only).

An amount of Rs. 1,81,170/- (Rs. One Lakh Eighty One Thousand One Seventy Only) has been utilized for the purpose of Real Time Signal Processing laboratory setup for which it was sanctioned and the balance amount of Rs. 28,235/- (Rs. Twenty Eight Thousand Two Hundred Thirty Five Only) receivable by the institute from AICTE and Rs 32,088/- (Rs. Thirty Two Thousand Eighty Eight Only) was spent by Institute from its own fund.

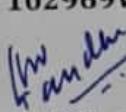
Certified that the grant has been utilized as per laid down terms and conditions for which it was sanctioned.



Dr. B. N. Chaudhari  
Head of Institution

  
Smt. Pallavi More  
Finance Officer

For Gandhi & Lakhani  
Chartered Accountants  
F.R. No. 102969W

  
CA Hemali V Gandhi  
Partner  
M. No. 131175

Date : 03.08.2023  
Place : Mumbai  
UDIN : 23131175BGYBTU4316

Bharatiya Vidya Bhavan's  
Sardar Patel Institute of Technology  
Munshi Nagar, Andheri(W),  
Mumbai- 400 058.



(Founded in 1938 by Kulapati Dr. K. M. Munshi with the blessings of Mahatma Gandhi)

आ नो भद्रा : कृतवो यन्तु विश्वतः !  
Let noble thoughts come to us from every side



Tel : 91-22- 2670 8520  
2670 7440  
2628 7250  
Mob: 9930309463  
9930362014

## SARDAR PATEL INSTITUTE OF TECHNOLOGY

(Autonomous Institute)

Bhavan's Campus, Munshi Nagar, Andheri (west), Mumbai - 400058, India

E mail: principal@spit.ac.in website: www.spit.ac.in

Ref. No.: EST/SPIT/AICTE/2023/1033

Date: 25/05/2023

To  
The Chairman,  
AICTE, New Delhi

Kind Attention: Office of MODEROB Scheme, AICTE, New Delhi

Subject: Submission of Audited Utilization Certificate and other relevant documents in prescribed format pertaining to AICTE- MODROB Project (ID-1-4179174248) sanctioned during Financial Year 2018-19.

Dear Sir,

We applied for AICTE MODROB grant under AICTE's AQIS scheme to develop two different laboratories at Bhartiya Vidya Bhavan's Sardar Patel Institute of Technology, Mumbai, during the academic year 2018-19. The application details are given as follows.

Sr. No.	Application ID	Scheme	Name of Laboratory	Coordinator	Year
1	1-4246759966	MODROB	Renewable energy lab.	Dr. Y.S.Rao	2018-19
2	1-4179174248	MODROB	Digital Electronics lab.	Dr. S.S.Rathod	2018-19

1. Subsequently both the schemes sanctioned by AICTE under file No. 9-319/RIFD/MOD/Policy-1/2018-19. We have received an amount of Rs. 8,80,000.00 per laboratory (a sum of Rs. 17,60,000.00) on dated 23<sup>rd</sup> January 2020 as first installment of grant. However, our institute did not receive any official sanction letter for these projects. With reference to this we have communicated our requirement of sanction letter as per the following correspondence to AICTE. Please refer Table 1 on page 2/2 for correspondence details. Copy of all correspondences are attached herewith separately for your ready reference.

2. Meanwhile, our institute had to close regular office and academic business from 15<sup>th</sup> March 2020 due to novel Corona virus pandemic and as per government notification thereof. The academic business of the institute in offline mode remains closed for subsequently two years since then. The supply chain for electronic equipment were completely disrupted until 2022. Therefore, institute authority took the decision in March 2020 not to purchase any hardware equipment for the laboratories as the equipment would have remained dumped. Nonetheless the procured equipment are now being used effectively.

3. The institute has started in full offline mode February 2022, the MODROB project evaluation committee (PEC) is formed and stated functioning from 14<sup>th</sup> March 2022. The coordinator has invited the relevant quotations and made the comparative statements and submitted to PEC. The PEC reviewed the quotations and finalized the items and vendors on 21<sup>st</sup> October 2022 as per AICTE norms. The MoMs of PEC is attached for your kind reference.

4. Subsequently the purchase orders of the lab items were issued in the month October 2022. The complete process of purchase, procurement and delivery of the material was completed by March 2023.

5. The utilization certificates were generated by the institute-chartered accountant and attached herewith for your reference.

6. The details of the purchase order of the equipment procured, verified copies of the bills and vouchers (Tax Invoice), photographs of the equipment purchased, and verified stock entry are attached for your kind approval.

Table 1:

Sr. No.	Nature of correspondence	Subject line	Date
1	Email	Request to release sanction letter and amount under AICTE AQIS scheme. Attachments 1. AICTE AQIS sanctioned request letter. 2. AICTE AQIS Application screenshot	27 <sup>th</sup> Aug 2020
2	Email	Gentile Reminder: Request to release sanction letter and amount under AICTE AQIS scheme. Attachments 1. AICTE AQIS sanctioned request letter. 2. AICTE AQIS Application screenshot.	5 <sup>th</sup> Oct 2020
3	Speed Post	Resubmission of AICTE-ISTE FDP 2017-18 Data and MODROB request to release sanction letter	4 <sup>th</sup> Feb 2021
4	Email	Resubmission of AICTE-ISTE FDP 2017-18 Data and MODROB request to release sanction letter	5 <sup>th</sup> Feb 2021
5	Email	Submission of mandatory documents under MODROB scheme for the year 2018-19	18 <sup>th</sup> March 2021
6	Email	Submission of mandatory documents under MODROB scheme for the year 2018-19	25 <sup>th</sup> March 2021
7	Email	Submission of mandatory documents under MODROB scheme for the year 2018-19	9 <sup>th</sup> April 2021

Thanking you.

Dr. B. N. Chaudhari  
Principal

**Principal**  
**Bharatiya Vidya Bhavan's**  
**Sardar Patel Institute of Technology**  
**Munshi Nagar, Andheri (W),**  
**Mumbai-400 058.**



**Annexure:**

1. Audited Utilization Certificate
2. Correspondences to AICTE, New Delhi
3. PEC formation and Minutes of Meetings
4. Purchase Orders and Tax Invoices



## SARDAR PATEL TECHNOLOGY BUSINESS INCUBATOR

 <http://sptbi.com>

 [managertbi@spit.ac.in](mailto:managertbi@spit.ac.in)

 +91-8291842971

8<sup>th</sup> Feb 2022

### Utilization Certificate

1. Name of the scheme: IoT Lab development at SP-TBI under CSR initiative of SIDBI Venture Capital Limited
2. Total CSR amount received in year 2020-21: INR 10,00,000 INR
3. Total CSR amount spent: INR, 10,17,318
4. Total amount contributed by SP-TBI: INR 17,318
5. Unspent balance of CSR received: nil
6. Receipt and Investment Account as below:

S.No.	Receipt	Amount Received (INR)	S.No.	Expenditure (Vendor)	Amount (INR)	Date
1	CSR from SIDBI Ventures	10,00,000	1.	Emtron Technologies	3,05,148	23 <sup>rd</sup> Sept 2021
			2.	Brilliant Electro System	2,55,771	27 <sup>th</sup> Dec 2021
			3.	Karvy Tech	1,62,250	11 <sup>th</sup> Nov 2021
			4.	Vitronics(India)	41,300	9 <sup>th</sup> Nov 2021
			5.	Element 14	56,029	23 <sup>rd</sup> Dec 2021
			6	DigiKey	77,819	16 <sup>th</sup> Dec 2021
			7.	Amazon	1,19,001	18 <sup>th</sup> Dec 2021
	Grand Total	10,00,000	Grand Total		10,17,318	

Note: The excess amount of INR 17,318 will be contributed by SP-TBI

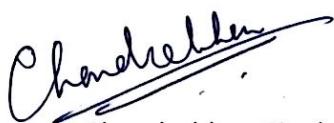
Signature

Signature

Signature



Kiran Talele  
Head of Academic Relations-SPTBI



Chandrabhan Singh  
CEO



B.N. Chaudhari  
Chairperson



Bharatiya Vidya  
**Bhavan's**

(Founded in 1938 by Kulapati Dr. K. M. Munshi with the blessings of Mahatma Gandhi.)

आ नो मद्दा : क्रतवो यन्तु विश्वतः ।

Let noble thoughts come to us from every side

## SARDAR PATEL INSTITUTE OF TECHNOLOGY

(Autonomous Institute)

Bhavan's Campus, Munshi Nagar, Andheri (west), Mumbai - 400058, India  
E mail: principal@spit.ac.in website: www.spit.ac.in

### Utilization Certificate

Certified that the grant of Rs. 30,000/- (Thirty Thousand Only) received from the Mumbai University under the scheme of support for Minor Research Project entitled "Improving Dropouts Rates Using Adaptive Learning System in MOOC Courses", vide letter No. Ref. No. APD/ICD/2019-20/762 of 2019 dated 17<sup>th</sup> March 2020, has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the Mumbai University. Further it is requested to kindly release the amount (Which I already spent and the said bills are also attached) to the principal investigator as early as possible.

*Surekha Dholay*

Prof. Surekha Dholay  
Principal Investigator



*B.N. Chaudhari*

Dr. B.N Chaudhari  
Principal, S.P.I.T, Andheri (W)



Bharatiya Vidya  
**Bhavan's**

Inaugurated on 15/3/1953 by Dr. K. M. Munshi with the blessings of Mahatma Gandhi)

आ नो भद्रा कृतयो धन्तु विश्वतः।

Let my efforts come to be from every side

## SARDAR PATEL INSTITUTE OF TECHNOLOGY

(Autonomous Institute)

Bhavan's Campus, Munshi Nagar, Andheri (west), Mumbai - 400058, India

E-mail: principal@spit.ac.in website: www.spit.ac.in

### UTILISATION CERTIFICATE

Certified that the 100% amount (25,000/-) of the grant sanctioned Rs.25000/- (Rs. Twenty Five Thousand) from the Mumbai University under the scheme of support for Minor Research Project (Project No.1098) entitled "Study of Electromagnetic Radiations in urban areas and its health hazards," vide Ref. No APD/ICD/2019-20/762 of 2019 dated 17<sup>th</sup> March 2020 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the Mumbai University. Further it is requested to kindly release the amount (which I already spent and the said bills are also attached) to the principal investigator as early as possible.

Prof. Anand D. Mane  
Principal Investigator

*Chaudhary*  
Dr. B.N.Chaudhary

Principal, S.P.I.T, Andheri(W)



*Chaudhary*



Bharatya Vidya  
**Bhavan's**

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(Autonomous Institute)

Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai - 400 058, India  
E mail: principal@spit.ac.in Website: www.spit.ac.in

### UTILISATION CERTIFICATE

Certified that the 100% amount (25000/-) of the grant sanctioned Rs.25000/- (Rs. Sixty Thousand) from the Mumbai University under the scheme of support for Minor Research Project (Project No:1141) entitled "**Autonomous Package Dispatcher Bot using Video Processing**" vide Ref. No. APD/ICD/2019-20/762 of 2019 dated 17<sup>th</sup> March 2020 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the Mumbai University. Further it is requested to kindly release the amount (which I already spent and the said bills are also attached) to the principal Investigator as early as possible.

Prof. Manish Parmar  
Principal Investigator

Dr. B.N. Chaudhari  
Principal, S.P.I.T, Andheri(W)





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### UTILISATION CERTIFICATE

Certified that the 100% amount (25000/-) of the grant sanctioned Rs.25000/- (Rs. Sixty Thousand) from the Mumbai University under the scheme of support for Minor Research Project (Project No:1143) entitled "**PRIMA: Product for Instant Malaria Assessment**" vide Ref. No. APD/ICD/2019-20/762 of 2019 dated 17<sup>th</sup> March 2020 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the Mumbai University. Further it is requested to kindly release the amount (which I already spent and the said bills are also attached) to the principal Investigator as early as possible.

Prof. Dayanand Ambawade

Principal Investigator

Dr. B.N.Chaudhari

Principal, S.P.I.T, Andheri(W)





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### UTILISATION CERTIFICATE

Certified that the 97% amount (57103/-) of the grant sanctioned Rs.60000/- (Rs. Sixty Thousand/-) from the Mumbai University under the scheme of support for Minor Research Project (Project No:1158) entitled "IoT Based Biomedical Waste Classification, Quantification and Management" vide Ref. No. APD/ICD/2019-20/762 of 2019 dated 17<sup>th</sup> March 2020 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the Mumbai University. Further it is requested to kindly release the amount (which I already spent and the said bills are also attached) to the principal investigator as early as possible.

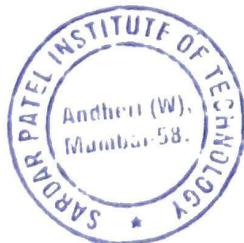
*Raundale*

Dr. Pooja Raundale

Principal Investigator

Dr. B.N.Chaudhari

Principal, S.P.I.T, Andheri(W)



*Chaudhari*



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Ref:- SPIT/MR/21  
Date:- 25/01/2022

Date: 25/01/2022

### UTILISATION CERTIFICATE

I certify that the 100% amount (Rs. 55000/-) of the grant sanctioned Rs. 55000/- (Rs. Fifty-Five thousand) from the Mumbai University under the scheme of support for Minor Research Project (Project no. 1160) entitled "Smart IoT based Water Monitoring System" vide ref. No. AAMS/ICD/106 dated 23rd July 2021 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by Mumbai University. Further, it is requested to kindly release the remaining amount which is already spent and the said bills are also attached to the principal Investigator as early as possible.

Dr. Aarti M. Karande

Aarti Karande



Chaudhary

Dr. B. N. Chaudhary  
Principal





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### UTILISATION CERTIFICATE

Certified that the 66% amount (16500/-) of the grant sanctioned Rs.25000/- (Rs. Twenty five Thousand) from the Mumbai University under the scheme of support for Minor Research Project (Project No:1161) entitled "Helping Hand" vide Ref. No. APD/ICD/2019-20/762 of 2019 dated 17<sup>th</sup> March 2020 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the Mumbai University. Further it is requested to kindly release the amount (which I already spent and the said bills are also attached) to the principal Investigator as early as possible.

Prof. Pallavi Thakur  
Principal Investigator

Dr. B.N. Chaudhari  
Principal, S.P.I.T, Andheri(W)





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### UTILISATION CERTIFICATE

Certified that the 50% amount (Rs. 10,000/-) of the grant sanctioned Rs. 20,000/- (Rs. Twenty Thousand) from the Mumbai University under the scheme of support for the Minor Research Project (Project no. 1056) entitled "LabVIEW based automatic data acquisition system for detection of type of Tumor cells using Electrical Impedance Tomography" vide Ref. No. AAMS/ICD/106 of 2021 dated 23<sup>rd</sup> July 2021, has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the Mumbai University. Further it is requested to kindly release the 50% of spent amount to Principal Investigator as early as possible.

Prof. Priya Deshpande

Principal Investigator

Dr. B. N Chaudhari

Principal, S.P.I.T, Andheri (W)





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### UTILISATION CERTIFICATE

This is certified that the 100% amount (Rs. 15,000/-) of the grant sanctioned Rs. 15,000/- from Mumbai University under the scheme of support for the Minor Research Project (Project no. 1058) entitled "Design of IOT enabled multi-parameter measurement system for water Quality Monitoring" vide Ref. no. APD/ICD/2019-20/762 dated 17<sup>th</sup> March 2020, has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the Mumbai University. Further it is requested to kindly release the 100% of spent amount to Principal Investigator as early as possible.

Rishabh  
Prof. Payal Shah  
Principal Investigator

B. N. Chaudhari  
Dr. B. N. Chaudhari  
Principal, S.P.I.T, Andheri (West)



B. N. Chaudhari



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E mail: principal@spit.ac.in website: www.spit.ac.in

Ref. No.: EST/SPIT/AICTE/2023/1033

Date: 25/05/2023

To  
The Chairman,  
AICTE, New Delhi

Kind Attention: Office of MODEROB Scheme, AICTE, New Delhi

Subject: Submission of Audited Utilization Certificate and other relevant documents in prescribed format pertaining to AICTE- MODROB Project (ID-1-4179174248) sanctioned during Financial Year 2018-19.

Dear Sir,

We applied for AICTE MODROB grant under AICTE's AQIS scheme to develop two different laboratories at Bhartiya Vidya Bhavan's Sardar Patel Institute of Technology, Mumbai, during the academic year 2018-19. The application details are given as follows.

Sr. No.	Application ID	Scheme	Name of Laboratory	Coordinator	Year
1	1-4246759966	MODROB	Renewable energy lab.	Dr. Y.S.Rao	2018-19
2	1-4179174248	MODROB	Digital Electronics lab.	Dr. S.S.Rathod	2018-19

1. Subsequently both the schemes sanctioned by AICTE under file No. 9-319/RIFD/MOD/Policy-1/2018-19. We have received an amount of Rs. 8,80,000.00 per laboratory (a sum of Rs. 17,60,000.00) on dated 23<sup>rd</sup> January 2020 as first installment of grant. However, our institute did not receive any official sanction letter for these projects. With reference to this we have communicated our requirement of sanction letter as per the following correspondence to AICTE. Please refer Table 1 on page 2/2 for correspondence details. Copy of all correspondences are attached herewith separately for your ready reference.

2. Meanwhile, our institute had to close regular office and academic business from 15<sup>th</sup> March 2020 due to novel Corona virus pandemic and as per government notification thereof. The academic business of the institute in offline mode remains closed for subsequently two years since then. The supply chain for electronic equipment were completely disrupted until 2022. Therefore, institute authority took the decision in March 2020 not to purchase any hardware equipment for the laboratories as the equipment would have remained dumped. Nonetheless the procured equipment are now being used effectively.

3. The institute has started in full offline mode February 2022, the MODROB project evaluation committee (PEC) is formed and stated functioning from 14<sup>th</sup> March 2022. The coordinator has invited the relevant quotations and made the comparative statements and submitted to PEC. The PEC reviewed the quotations and finalized the items and vendors on 21<sup>st</sup> October 2022 as per AICTE norms. The MoMs of PEC is attached for your kind reference.

4. Subsequently the purchase orders of the lab items were issued in the month October 2022. The complete process of purchase, procurement and delivery of the material was completed by March 2023.

5. The utilization certificates were generated by the institute-chartered accountant and attached herewith for your reference.

6. The details of the purchase order of the equipment procured, verified copies of the bills and vouchers (Tax Invoice), photographs of the equipment purchased, and verified stock entry are attached for your kind approval.

Table 1:

Sr. No.	Nature of correspondence	Subject line	Date
1	Email	Request to release sanction letter and amount under AICTE AQIS scheme. Attachments 1. AICTE AQIS sanctioned request letter. 2. AICTE AQIS Application screenshot	27 <sup>th</sup> Aug 2020
2	Email	Gentile Reminder: Request to release sanction letter and amount under AICTE AQIS scheme. Attachments 1. AICTE AQIS sanctioned request letter. 2. AICTE AQIS Application screenshot.	5 <sup>th</sup> Oct 2020
3	Speed Post	Resubmission of AICTE-ISTE FDP 2017-18 Data and MODROB request to release sanction letter	4 <sup>th</sup> Feb 2021
4	Email	Resubmission of AICTE-ISTE FDP 2017-18 Data and MODROB request to release sanction letter	5 <sup>th</sup> Feb 2021
5	Email	Submission of mandatory documents under MODROB scheme for the year 2018-19	18 <sup>th</sup> March 2021
6	Email	Submission of mandatory documents under MODROB scheme for the year 2018-19	25 <sup>th</sup> March 2021
7	Email	Submission of mandatory documents under MODROB scheme for the year 2018-19	9 <sup>th</sup> April 2021

Thanking you.

Dr. B. N. Chaudhari  
Principal

**Principal**  
**Bharatiya Vidya Bhavan's**  
**Sardar Patel Institute of Technology**  
**Munshi Nagar, Andheri (W),**  
**Mumbai-400 058.**



**Annexure:**

1. Audited Utilization Certificate
2. Correspondences to AICTE, New Delhi
3. PEC formation and Minutes of Meetings
4. Purchase Orders and Tax Invoices



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Date : 10/02/2022

### Utilization Certificate

Certified that the grant of Rs. 30,000/- (Thirty Thousand Only) received from the Mumbai University under the scheme of support for Minor Research Project entitled "Drug Quality Check throughout Supply Chain using Blockchain Concept", vide letter No. Ref. No. APD/ICD/2019-20/762 of 2019 dated 17<sup>th</sup> March 2020 with Project No.1014, has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the Mumbai University.

Jignesh Sisodia  
Signature of the Principal  
Investigator

Bhalchandra Chaudhari  
Dr. Bhalchandra Chaudhari  
Principal

Bhavan's Sardar Patel Institute of Technology

Principal

Bharatiya Vidyा Bhavan's  
Sardar Patel Institute of Technology  
Munshi Nagar, Andheri (W),  
Mumbai-400 058.





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E mail: principal@spit.ac.in website: www.spit.ac.in

Date : 10/02/2022

### Utilization Certificate

Certified that the grant of Rs. 30,000/- (Thirty Thousand Only) received from the Mumbai University under the scheme of support for Minor Research Project entitled “**A Personalized Diet Monitoring & Control System for healthy life**” with Project No-1015, vide letter No. Ref. No. APD/ICD/2019-20/762 of 2019 dated 17<sup>th</sup> March 2020, has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the Mumbai University.

  
RUPALI SAWANT  
Signature of the Principal

Investigator

  
Dr. Bhalchandra Chaudhari

Principal

Bhavan's Sardar Patel Institute of Technology

  
Bharatiya Vidya Bhavan's  
Sardar Patel Institute of Technology  
Munshi Nagar, Andheri (W),  
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E mail: principal@spit.ac.in website: www.spit.ac.in

Date :10/02/2022

### Utilization Certificate

Certified that the grant of Rs. 45,000/- (Forty Five Thousand Only) received from the Mumbai University under the scheme of support for Minor Research Project entitled "Autonomous Quadcopter using Deep Reinforcement Learning" with Project No. 1013, vide letter No. Ref. No. APD/ICD/2019-20/762 of 2019 dated 17<sup>th</sup> March 2020, has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the Mumbai University.

Nikahat Mulla

Signature of the Principal

Investigator

Dr. Bhalchandra Chaudhari

Principal

Bhavan's Sardar Patel Institute of Technology  
**Principal**

Bharatiya Vidya Bhavan's  
Sardar Patel Institute of Technology  
Munshi Nagar, Andheri (W).  
Mumbai-400 058.






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E mail: principal@spit.ac.in website: www.spit.ac.in

Date: 28<sup>th</sup> March 2019

### UTILISATION CERTIFICATE

Certified that more than 40% (80%) (Rs. 25000/-) of the grant sanctioned Rs. 30,000/- (Thirty thousand only) from the Mumbai University under the scheme of support for **Minor Research Project (No. R-113)** entitled **Automated Intelligence Surveillance System for Detecting Suspicious Human Behaviour**, vide Ref No. APD/ICD/2018-19/593 , dated 16<sup>th</sup> March 2019, has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the Mumbai University. Further it is requested to kindly release the 40% amount (Rs. 12,000/-) to the Principal Investigator as soon as possible. Also request you to release remaining 60% amount as soon as possible.

Sheetal Chaudhari  
Principal Investigator  
Technology

Dr. Prachi Gharpure  
Principal  
Sardar Patel Institute of



*Sheetal Chaudhari*

Planned in equal by Prashant Ch. S. & Anil M. under the guidance of Prof. Dr. S. D. Deshpande  
on 22nd Feb 2019  
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Date: 28<sup>th</sup> March 2019

## UTILISATION CERTIFICATE

Certified that more than 40% i.e (96%) (Rs. 23944/-) of the grant sanctioned Rs. 25,000/- (Twenty five thousand only) from the Mumbai University under the scheme of support for **Minor Research Project (No. R-224)** entitled "**Summarization and Storage of Legal Documents**", vide Ref No. APD/ICD/2018-19/593, dated **16<sup>th</sup> March 2019**, has been utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the Mumbai University. Further it is requested to kindly release the 40% amount (Rs. 10000/-) to the Principal Investigator as soon as possible. Also request you to release remaining 60% amount as soon as possible.

*Swarnali R. Kurhade*  
Swarnali R. Kurhade  
Principal Investigator

*Dr. Prachi Gharpure*  
Dr. Prachi Gharpure  
Principal

Sardar Patel Institute of Technology  
**Principal**  
Bharatiya Vidya Bhavan's  
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Mumbai - 400 058.



*Bchaudhary*





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Date: 19<sup>th</sup> September 2019

### UNIVERSITY OF MUMBAI MINOR RESEARCH PROJECT Utilization Certificate

1.	Name of Principal Investigator	Renuka Pawar			
2.	University minor research project no and date	Project no 207, APD/ICD/2018-19 dated 16 <sup>th</sup> March 2019			
3.	Title of the research	“ Education Using Augmented Reality Application”			
4.	Period of the Project	2018-19			
5.	Details of the expenditure				
Sr. No	Items	Sanctioned Amount(Rs.)	Amount Received (Rs.)	Expenditure incurred (Rs.)	Balance (Rs.)
1.	Equipment's and contingencies	28897/-	14000/-	28897/-	21000/-
2.	Books ,peripheral and Consumable	6103/-		6146/-	
	Total	35,000/-			

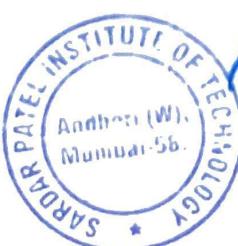
Note-i) \* 40% of the total sanctioned amount and 60% amount yet to be received.

ii) The details of the expenditure have shown in the statement of expenditure which is attached with this certificate.

It is certified that the grant of Rs. 35,000/- (Rupees thirty five thousand only) received from the University of Mumbai under the scheme of support for Minor research project entitled “Education Using Augmented Reality Application”, out of total amount sanctioned Rs. 35,000/- (Rupees thirty five thousand only) vide university letter, APD/ICD/2018-19 dated 16<sup>th</sup> March 2019 Research Project Number R-207, out of which amount Rs. 35,000/- has been utilized for the purpose for which it was sanctioned in accordance with the terms and conditions laid down by the University of Mumbai and out of the total sanctioned amount, outstanding amount Rs 21,000/- has to be received from the University of Mumbai.

Renuka Pawar  
19/9/19

Renuka Pawar  
Principal Investigator



*S. Chaudhary*



*S. S. Rao*

Dr. Y. S. Rao

Principal  
Principal

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Date: 28<sup>th</sup> March 2019

### UTILISATION CERTIFICATE

Certified that 40% (Rs. 10,000/-) of the grant sanctioned Rs. 25,000/- (Twenty five thousand only) from the Mumbai University under the scheme of support for Minor Research Project (No. R-124) entitled **Image processing for facial and emotion recognition and developing models to analyze and predict driver behaviour**, vide Ref No. APD/ICD/2018-19/593, dated 16<sup>th</sup> March 2019, has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the Mumbai University. Further it is requested to kindly release the 40% amount (Rs. 10,000/-) to the Principal Investigator as soon as possible. Also request you to release remaining 60% amount as soon as possible.

R. Sonkusare

Reena Sonkusare  
Principal Investigator

① 46

Dr. Prachi Gharpure

Principal

Sardar Patel Institute of Technology

Principal

Sardar Patel Institute of Technology

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Date: 28<sup>th</sup> March 2019

### UTILISATION CERTIFICATE

Certified that 40% (Rs. 18,000/-) of the grant sanctioned Rs. 45,000/- (Forty Five thousand only) from the Mumbai University under the scheme of support for Minor Research Project (No. R-144) entitled Implementation of maximum power point tracker in solar system, vide Ref No. APP/ICD/2018-19/593 , dated 16<sup>th</sup> March 2019, has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the Mumbai University. Further it is requested to kindly release the 40% amount (Rs. 18,000/-) to the Principal Investigator as soon as possible. Also request you to release remaining 60% amount as soon as possible.

  
Milind Pandurang Paraye

Principal Investigator

  
Dr. Prachi Ghpure

Principal  
Sardar Patel Institute of Technology



  
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## SARDAR PATEL INSTITUTE OF TECHNOLOGY

( Autonomous Institute )

Bhavan's Campus, Munshi Nagar, Andheri (west), Mumbai - 400058, India

E mail: principal@spit.ac.in website: www.spit.ac.in

Ref:-SPIT/2019-20/810

Date: 23<sup>rd</sup> Sept 2019

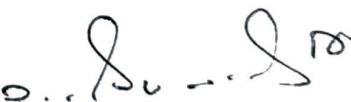
### Utilization certificate

Certified that the grant of Rs. 25000/- (Twenty Five Thousand Rs. only) received from the Mumbai University under the scheme of support for **Minor Research Project (No.R-169)** entitled **Design, Development and Automation of Bio-Sand Filter**, vide letter No. APD/ICD/2018-19/593 of 2019 dated 16<sup>th</sup> Mar 2019, has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the Mumbai University.

Also request you to release remaining 60% amount (Rs. 15000) as soon as possible.

  
PRINCIPLE INVESTIGATOR

Prashant V. Kasambe

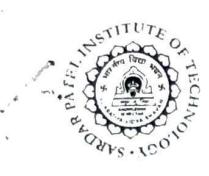
  
PRINCIPAL

Dr. Y.S.Rao

Sardar Patel Institute of Technology



  
Schaudhajit



Bharatiya Vidya  
**Bhavan's**

(Founded in 1938 by Kulapati Dr. K. M. Munshi with the blessings of Mahatma Gandhi)

आ नो मदा : क्रतवो यन्तु विश्वतः ।

Let noble thoughts come to us from every side

Tel: 91-22-2670 8520  
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Ref:- SPIT/2019-20/811

Date: 23<sup>rd</sup> Sept 2019

### Utilization certificate

Certified that the grant of Rs. 30,000/- (Rupees Thirty Thousand only) received from the Mumbai University under the scheme of support for **Minor Research Project** (No.R-170) entitled **Universal MODBUS Data Logger**, vide letter No. APD/237/601 of 2019 dated **27<sup>th</sup> Mar 2019**, has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the Mumbai University. Also requesting you to release the balance 60% of the sanctioned amount i. e. Rs. 18,000/- (Rupees Eighteen Thousand only) at your earliest possible convenience.

*Mr. Ghatte*  
23/sep/2019  
PRINCIPAL INVESTIGATOR

Mr. Najib Ghatte  
Asst. Prof; Electronics Department  
Sardar Patel Institute of Technology



*Dr. Y. S. Rao*  
PRINCIPAL

Sardar Patel Institute of Technology

