

Dr. Davit B. Dhruv

Young Innovative Technologist
Assistant Professor, (Physics),
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PART - A

GENERAL INFORMATION AND ACADEMIC BACKGROUND

- 1) Name (in Block Letters) :- DHRUV DAVIT BIPINCHANDRA
- 2) Father's Name / ~~Mother's Name~~ :- Dhruv Bipinchandra Ishwarlal
- 3) Current Designation & Grade Pay :- Assistant Professor, 42,474/- (Fixed Pay)
- 4) Date of Birth :- October 07, 1987
- 5) Birth Place :- Rajkot
- 6) Sex :- Male
- 7) Marital Status :- Married
- 8) Nationality :- Indian
- 9) Category :- General (GEN)
- 10) Address for Correspondence :- Dr. Davit B. Dhruv
(With Pin Code) "Shree Saurashtra University Karmachari Society,
lock No: 29/B, University Road, Rajkot – 360005.
- 11) Permanent Address :-Dr. Davit B. Dhruv
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Tel. No. / Mobile No.

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Email Address

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12) Academic Qualifications (Metric Till Post Graduation):-

Examinations	Name of the Board / University	Year of Passing	Percentage of Marks Obtained	Division / Class / Grade	Subject
High School / Metric	G.S.E.B.	2003	56.86 %	Second Class	Maths Science English
Intermediate / Higher Secondary	G.S.H.E.B.	2005	39.38 %	Pass Class	Maths Physics Chemistry Biology
Graduation (B.Sc.)	Saurashtra University	2008	59.14 %	Second Class	Physics
Post Graduation (M.Sc.)	Saurashtra University	2011	64.87 %	First Class	Physics
Other Examinations	NIL				

13) Research Degree(s):-

Degrees	Title	Date of Award	University
Ph. D.	“STUDIES ON STRUCTURAL TRANSPORT, ELECTRONIC AND MAGNETIC PROPERTIES OF FUNCTIONAL OXIDE”	24-07-2015	Saurashtra University

14) Appointments held Prior to this Application:-

Designation	Type of Appointment	Name of Employer	Period		Salary With Grade	Reason of Leaving
			Joining	Leaving		
Lecturer	Adhoc	V.V.P. Engineering College	02/01/2012	31/07/2012	15000/- (Fixed pay)	Promoted for post of Assistant Professor
Assistant Professor	Adhoc	V.V.P. Engineering College	01/08/2012	31/07/2018	42,474/- (Fixed Pay)	Closer of Department

15) Period of teaching experience: P.G. Classes (in years):-NIL

U.G. Classes (in years):- 6 years & 1 month

16) Research Experiences excluding years spent in Ph.D.(in years):-2 Years & 7 months

17) Fields of Specialization under the Subject / Discipline:-

- a) Physics
- b) Applied Physics
- c) Material Science
- d) Nano Science
- f) Functional Oxide Materials

18) Research Publications :-

Publication	International Level	National Level
UGC Referred Journal	15	00
UGC Non – Referred Journal (With ISSN/ISBN No.)	09	02
Full Length Paper In Conference Proceeding	14	02
TOTAL	38	04

(Detail attached in [Annexure – A](#))

19) Conference / Seminars / Workshops / etc. :-

Research paper in conference	International Level	National Level
Presented Research Paper In Conference	07	07
Contributed Research Paper In Conference	22	14

(Detail attached in [Annexure – B](#))

20) Books Publications :- **02**

(Detail attached in [Annexure – C](#))

21) **Research Projects**

:- **06**

Sr. No	Title of Project	Funding Agency	Status	Period With dates	Grant Mobilized (Rs.)
1.	Synthesis and characterization of carbon Nano - dot based dye sensitized solar cell	Gujarat Council Of Science and Technology	Approved	2 Years (June 2016 to June 2018)	7,90,000/-
2.	investigation on influence of swift heavy ion irradiation effect on poly(3-hexyl thiophene) and nanostructure Tio2 composite based thin film for solar cell applications	Inter University Accelerator Center- New Delhi	Approved	2 Years (July 2017 To July 2019)	Provide Facility.
3.	Investigation on the effect of shape and size of nano metal oxide on perovskite solar cell and their efficiency	UGC-DAE Consortium for Scientific Research, Indore	Presented	----	Provide Facility.
4.	Enhancement of Microstrip radiator's parameters using Nano Materials	Indian Space Research Organisation (ISRO)	Submitted	----	14,20,000/-
5.	Synthersise and characteristion of Nano structured Room Temperature valcanisation (RTV)	Gujarat Council Of Science and Technology	Submitted	-----	5,10,000/-
6.	Fabrication and Characterization of nanostructure metal oxide thin film for solar cell application	Gujarat Council Of Science and Technology	Submitted	----	8,50,000/-

22) **Patents**

:- **03**

1	“Carbon nano-dot based lycopersicum solar cell”	
	Application No:	201721000819.
	Publised	
2	Advanced Application of Industrial Carbon Black	
	Application No:	523/mum/2015
	filled	
3	Advanced Application of Industrial Nano Silica Grase	
	Application No:	2401/mum/2015
	filled	

23) **Scientific/Academic Event Organize** :- **05**

1	Frontiers of Astronomy, Astrophysics & Space Science	
	Saurashtra University	
	Student Volunteer	
	21 – 23 December 2010	
2	Nanostructure and Thin Film Coating – 2014 (NSNTC - 2014)	
	Department of Nanotechnology, V.V.P. Engineering College	
	Co - Convener	
	24 January 2014	
3	Role of Informatics in Modern Life Science - 2015	
	Department of Bio and Nano Technology	
	Coordinator	
	December 14 – 18, 2015	
4	Training Programme on Synthesis and Characterization Techniques	
	Center For Nanoscience & Nanotechnology, Sathyabama University, Chennai	
	Coordinator	
	September 12-14, 2016	
5	Recent Trends In Bio Nano Technology for Societal Benefits	
	Department of Bio technology and Nanotechnology, V.V.P. Engineering College	

	Organizing Member
	November 20- 24 2017

24) **Expert lectures** :- **08**

1	“Expert talk on future scope of nanotechnology”
	M.D. Science College
	2 nd Jul 2016
2	“Micro teaching on life science”
	UGC MHRD Saurashtra University
	20 st Jun 2016
3	Expert Talk On “Computer Lab Online : Tools of Computer Based Teaching”
	UGC MHRD Saurashtra University
	27 th Dec. 2016
4	Expert Talk in Short Term Training Program on MEMS/NEMS and sensor
	Department of Nanotechnology, V.V.P. Engineering College
	20 Dec 2016
5	Expert Talk On “Preparation of PLM”
	UGC MHRD Saurashtra University
	28 th Dec. 2016
6	Expert Lecture On “Condensed Matter Physics”
	UGC NET Exam Coaching Center, Department of Physics, Saurashtra University
	1 st Feb. 2017
7	Expert Lecture On “Condensed Matter Physics”
	UGC NET Exam Coaching Center, Department of Physics, Saurashtra University
	2 nd Feb. 2017
8	Expert Lecture On “Condensed Matter Physics”
	UGC NET Exam Coaching Center, Department of Physics, Saurashtra University
	3 rd Feb. 2017

25) **Awards** :- **05**

1	“Gandhian Young Technological Innovation (GYTI) Awards”
	Festival of Innovation
	Rashtrapatibhavan, New Delhi
	March 13, 2016
2	1st rank winner
	6 th national science symposium-2013 on “recent trend in science and technology”
	Christ College Rajkot.
	20th January 2013
3	1st rank winner
	7 th national science symposium-2014 on “recent trend in science and technology”

	Christ College Rajkot.
	23 rd February 2014
4	2nd rank winner
	8 th national science symposium-2014 on “recent trend in science and technology”
	Christ College Rajkot.
	22 rd February 2015
5	Best poster award
	Global Green Nanotechnology Conclave (GiGaNTiC 2015)
	Center of Excellence in Nanotechnology (CoE-NT)- Ahmedabad
	August 6-7, 2015

26) **Faculty Development Programme** :- **05**

1.	Interdisciplinary Faculty Development Programme
	Jyoth – 2014, V.V.P. Engineering College
	June 23 -24, 2014
2.	"Faculty Development Program for Design Engineering"
	GTU Innovation Council, Gujarat Technological University
	October 28 - 30, 2014.
3.	Role of Informatics in Modern Life Science - 2015
	Department of Bio and Nano Technology
	December 14 – 18, 2015
4.	Short Term Training Program on MEMS/NEMS and Sensor
	Department of Nanotechnology, V.V.P. Engineering College
	December 19-23 2016
5.	Training Programme On Synthesis And Characterization Techniques
	Center of Nanoscience & Nanotechnology, Sathyabama University, Chennai, India
	September 12 – 14, 2016

27) **Project Guided (UG Level)** :- **03**

1.	Application of Nano Material to Analyze The Strength of Concrete
	Dhrafrani Ishita Mayurkumar (120470106028)
	Gujarat Technological University
	Academic Year 2015-2016
2.	Manufacturing of Brick Using Nanomaterials
	Thummar Nikhil Pravinbhai (120470106006)
	Gujarat Technological University
	Academic Year 2015-2016
3.	Green Synthesis of Gold Nanoparticles Using citric Acid
	Bhatt Payal Vijay (130470139003)

Gujarat Technological University
Academic Year 2016-2017

28) Examiner Duty by UGC or State level Exam Body :- 05

1	Appointed as Invigilator for National Eligibility Test
	University Grant Commission (UGC)
	Appointed By Saurashtra University
	Rajkot Center
	24 June 2012
2	Appointed as Superintendent for National Eligibility Test.
	University Grant Commission (UGC)
	Appointed By Saurashtra University
	Rajkot Center
	30 th December 2012
3	Appointed as Invigilator in IIT JEE 2012
	IIT -JEE
	Appointed By V.V.P. Engineering College
	Rajkot Center
	8 th April 2012
4	Appointed as Invigilator for National Eligibility Test
	University Grant Commission (UGC)
	Appointed By Saurashtra University
	Rajkot Center
	30 th June 2013
5	Appointed as a center Dy Superintendent for Gujarat State Eligibility test
	GUJARAT STATE ELIGIBILITY TEST
	Appointed By Saurashtra University
	Rajkot Center
	27 th August 2017

29) University Examination Duties as Paper Setter :- 18

No.	Subject Code	Subject Name	Allotted Date	University name
1	2133901	Fundamentals Of Solid State Technology	24-09-2014	Gujarat Technological university
2	2133903	Synthesis of Nanomaterials - 1	24-09-2014	Gujarat Technological university
3	2133901	Fundamentals Of Solid State Technology	18-03-2015	Gujarat Technological university
4	2133903	Synthesis of Nanomaterials - 1	18-03-2015	Gujarat Technological university
5	2143902	Physics of Nanomaterials	18-03-2015	Gujarat Technological

				university
6	182104	Nano-Materials & Technology	27-03-2015	Gujarat Technological university
7	2153902	NanoCeramic And Application	28-08-2015	Gujarat Technological university
8	2153905	Nanotechnology And Enviroment	28-08-2015	Gujarat Technological university
9	2163902	Nanopolymers and Nano composite	16-04-2016	Gujarat Technological university
10	2163903	Nanotechnology and Medicine	16-04-2016	Gujarat Technological university
11	2163906	Nanomagnetism and Nanofluids	16-04-2016	Gujarat Technological university
12	182104	Nano Materials & Technology	22-08-2016	Gujarat Technological university
13	2133901	Fundamental of Solid State Technology	22-08-2016	Gujarat Technological university
14	2133903	Synthesis of Nanomaterials – I	22-08-2016	Gujarat Technological university
15	2143902	Physics of Nanomaterials	22-08-2016	Gujarat Technological university
16	2153902	Nano Ceramics and applications	22-08-2016	Gujarat Technological university
17	2153905	Nano Technology and Enviroment	22-08-2016	Gujarat Technological university
18	2163906	Nano Magnetism And Nano Fluids	22-08-2016	Gujarat Technological university

30) Cultural / Sports / NSS / NCC (National/State level participation only):- 08

Sr. No.	Details
1.	Scout Guide Training “ Pratham Sopan”
2.	Scout Guide Training “ Dvitya Sopan”
3.	Participate in District Scout Guide rely
4.	Gujarat State level drawing competition

5.	Served duty in "RAJKOT LOK MEDO" as scout.
6.	Attended state level Drawing competition by Gujarat Government
7.	Cleared Intermediate Drawing competition Examination.
8.	Cleared "Bharatiya Sanskruti Gyan Parixa-2001"