



## Profile of the Faculty

### 1. General Information:

Name of the Faculty	:	Mrs. Gauri Umesh Patil
Name of the Department	:	Physics
Educational Qualifications	:	M.S.c, B.Ed, SET
Present Position	:	Assistant Professor
Address for Correspondence	:	Department of Physics, C.K.Thakur A.C.S College, Sec-11, Khanda colony , Panvel
E-mail	:	<a href="mailto:thakurmadhurivedant@rediffmail.com">thakurmadhurivedant@rediffmail.com</a>
Contact Number	:	9833246838
Specialization	:	Electronics
Total teaching experience	:	20 years
Courses taught	:	Physics

### 2. Publication of Research Papers:

UGC listed journals	:	06
Non-peer reviewed journals	:	04
Peer reviewed journals	:	01
Conference proceedings	:	04

### List of Publication of Research Papers:

1. G.U.Patil, Study of Dependence of Angle of Repose, Frictional forces acting on pulses of different species of family Fabacea on sliding time, International Journal of Innovative Knowledge Concept UGC Approved Journal No. 64094,2018-2019, ISSN 2454-2415,Vol 6, Issue 6, p 1-4
2. G.U.Patil, Sound barrier inside & outside house, International Journal for Research in

Engineering Application & Management UGC Approved Journal No 64077,2018-2019, ISSN 2454-9150,Vol 4, Issue 10, p 241-243

3. G.U.Patil, Study of correlation among different properties of pulses of Family Fabacea, International Journal of Research and Analytical Reviews UGC Approved Journal No 43602, ISSN 2348-1269 Vol 5, Issue 2, p 382-386,
4. G.U.Patil, Smartphones & College Learners : Case study, Asian Resonance, UGC Approved No. 40888, 2017-2018, ISSN 0976-8602, Vol 6, Issue 3, p 86-91
5. G.U.Patil,,Study of Coefficient of restitution of bouncing ball on different surfaces, Journal of Research and Development, UGC Approved No.64768, 2017-2018, ISSN 2230-9578,Vol 7, Issue 7, p 12-18
6. G.U.Patil,Impact of decomposition of different manures on soil resistivity in rainy season, Asian journal of Environmental Science,UGC Approved No.8785 ,2017-2018, ISSN 0973-4759, Vol 12, Issue 2, p138-140
7. G.U.Patil, Electrical conservation in kitchen ,Research Chronicler, ,2016-17, ISSN 2347-5021, Vol 4, Issue 6, p 22-28
8. G.U.Patil ,Conference Proceeding, To Study Refractive Index with respect to angle of Diffraction Grating using Laser pointer source,2013-14, Page nos.59 to 60 -
9. G.U.Patil ,Conference Proceeding, Review of technology behind Camera in Cinema, 2014-15, ISBN-978-93-83342-10-5Page nos.107 to 113
10. G.U.Patil , Conference Proceeding, ISBN 978-93-83342-26-6, Case study of awareness of ill effect of Mobile Radiation of Human Health among Learners, 2015-16, Page nos. 107 to 109
11. G.U.Patil, Pavan V.Khadekar, Sahil Patil, Conference Proceeding, ISBN 978-81-927130-6-9, Study of Effect of Decompositon on Soil Resistivity, 2016-17, Page nos.195-199.
12. G.U.Patil and P.S.Kamble, ANUGOONJ, ISSN 2348-9731, Issue-3, Awareness among Learners about hazardous element of electronic waste and their effect on human health, 2013-2014, Page nos.26 to 29
13. G.U.Patil , ANUGOONJ, ISSN 2348-9731, Issue 4, Screen Addiction, 2014-2015 ,P 25 to 29
14. G.U.Patil , ANUGOONJ, ISSN 2348-9731,Issue 5, Mobile Data Traffic, 2015-2016, Page nos. 28 to 32
15. G.U.Patil , ANUGOONJ, ISSN 2348-9731,Issue 6, Usage of Mobile Camera, 2016-2017,

### 3. Books Authored

International Publisher	:	-
National Publisher	:	02
Chapters in Edited Books	:	-

### 4. Minor Research Project Completed :

Title of Project	Date of Sanction	Duration	Grant Received	Funding agencies
Fabrication of Energy storage device using transition metal based compound	1 <sup>st</sup> January 2024	2 years	1,75,000/-	TIPL

### Patents

Status	Numbers
Granted	-
Published	01
Filed	-

### List of Patents :

Sr.No.	Patent Name	Title of Invention	Patent Number	Date & Year of Publication	Date & Year of Grant
1	Indian	Method and system for early detection of Lithium- Ion Battery Failure using Novel Combined Efficiency Factor (CEF)	202521055696	4/7/2025	-

### 5. **Membership:** Life Member , Indian Physics Association, Mumbai

Life Member , Indian Physics Teacher Association, Kolkatta

Sessional Membership of Indian Science Congress Association

**6. Faculty Development programmes like Orientation/ Refreshers courses/ Short Term Courses etc attended:**

Name of the Course	Place	Duration	Sponsoring Agency
Orientation Course	R.P Gogate College, Ratnagiri	19/02/2007-17/03/2007	UGC
Refresher Course	Academy Staff College, Mumbai	03/10/2008-23/10/2008	UGC
Refresher Course	Academy Staff College, Mumbai	07/01/2011-07/02/2011	UGC
Short Term Course	H.R.D.C, Mumbai	06/03/2017-11/03/2017	UGC
Refresher Course	H.R.D.C, Gujarat University	28/05/2018-17/06/2018	UGC
Faculty Development Programme	Ramanujan College, University of Delhi	25/05/2020-05/06/2020	M.H.R.D
Faculty Development Programme	Nagindas Khandwala College	04/06/2020-07/06/2020	Nagindas Khandwala College
Faculty Development Programme	Shri Pancham Khemraj Mahavidyalaya, sawantwadi	05/06/2020-10/06/2020	Shri Pancham Khemraj Mahavidyalaya, sawantwadi
Online Faculty Development Programme	Marian International Institute of Management, Kerala	06/06/2020	Marian International Institute of Management, Kerala
Faculty Development Programme	Satish Pradhan Dnyanasadhana college, Thane	30/05/2020-03/06/2020	Satish Pradhan Dnyanasadhana college, Thane

**7. Participation in conferences, symposia, seminars and workshops:**

Level	Presented paper	Only attended	Chaired session	Resource person
International	-	<b>04</b>	-	-
National	-	<b>22</b>	-	-
State	<b>01</b>	<b>2</b>	-	-
University	-	<b>13</b>	-	-

**8. Conferences, symposia, seminars and workshops organized as convenor/ co convener :**

Level	Convenor	Co-convenor
National	01	-
State	01	-
College	-	-

**9. Experience on the various committees at the college**

- Chairman, B.O.S in Physics, C.K.Thakur A.C.S College(Autonomous), Panvel
- Exam Cell: as member 2008-2009 till 2018-19, as coordinator 2019-20 till 2021-2022
- Science Association: 2002-2003 till 2017-2018
- Time Table Committee : 2011-2012 till 2017-2018, 2019-20- 2021-22
- Women Development Cell : 2008-2009, 2009-2010, 2013-2014 till 2017-18 Staff  
Welfare committee : 2008-2009 till 2010-2011
- Magazine Committee : 2010-2011 till 2020-2021, 2019-2020 till 2021-22

**10. Experience on the NAAC/ IQAC of the college Member,**

Criteria I , 2018-2019 till date Member,

Criteria VI 2012-2013 till 2016- 2017 Member,

Criteria II, 2005-2006 till 2011- 2012 Member,

Criteria IV , 1999 -2000 till 2004- 2005