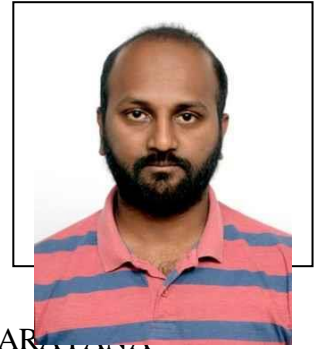


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Curriculum Vitae



Brief Profile: 1-2 paragraphs (not exceeding 500 words)

1. Name **VENKATA SURYANARAYANA MUMMIDI**
2. Designation: **Assistant Professor**
3. Office Address: **PH121, Department of Physics, OJAS Building, NIT Trichy**
4. Email (Primary): **venkata@nitt.edu**
5. Field(s) of Specialization: **Beyond Standard Model Physics in particular Supersymmetry breaking, Gauge mediation, phenomenology of low energy supersymmetric theories and Dark matter.**

7. **Employment Profile**

Job Title	Employer	From	To
Research Associate	Indian Institute of Science, Bangalore	Aug 2014	July 2015
Post-Doctoral Fellow	Harish-Chandra Research Institute (HRI), Allahabad	July 2015	July 2017
Post-Doctoral Fellow	Indian Institute of Science Education and Research, Mohali	Jan 2018	March 2019
Assistant Professor	NIT Trichy	June 2020	Till Date

8. **Academic Qualifications (From Highest Degree to High School):**

Examination	Board / University	Year	Division/ Grade	Subjects
PhD	Indian Institute of Science, Bangalore	2014	NA	Physics
Master of Science	University of Hyderabad	2009	NA	Physics
Bachelor of Science	Ideal College,	2006	First	Physics

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	Kakinada, India			
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9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
BTech Class Coordinator	Department	2022	Till Date
MSc Final Year Class Coordinator	Department	2020	July 2022
BoS Member	Department	2022	Till Date
DPEC member	Department	2020	July 2022
MIS Coordinator	Department	2020	Till Date

10. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2009	Gold medal	University of Hyderabad

11. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
2014	Council of Scientific and Industrial Research fellowship	CSIR	July 2014	Dec 2009

13. Details of Academic Work

(i) Courses taught at Postgraduate and Undergraduate levels
PG: ATOMIC AND MOLECULAR SPECTROSCOPY (PH633), PROBABILITY, STATISTICS, QUALITY AND RELIABILITY (PH616). UG: PHIR11 – Physics Theory
(ii) Projects guided at Postgraduate level
2020-2021
“THE UNRUH EFFECT” by Dayakrishn Purohit (213219004) “NEUTRINO OSCILLATION” by Deepu Singh (213219005)
2021-2022
“COMPARISON OF ACCURACY OF VARIOUS APPROXIMATION TECHNIQUES USING THE SPECTRUM OF 1-D DOUBLE-WELL POTENTIALS” by Jagadeesh A M

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(213220009)

“LITHIUM-ION BATTERY INSPECTION” by Shubham Singh Negi (213120019)

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
Abhishek	NA	Supervisor	Ongoing

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
V Suryanarayana Mummidi, Ketan M Patel	Leptogenesis and fermion mass fit in a renormalizable SO (10) model	Journal of High Energy Physics	2021 (12)	pp. 1-26	2021	5.81
V Suryanarayana Mummidi, Ketan M Patel	Precision unification and Higgsino dark matter in GUT scale supersymmetry	Physical Review D	101 (11)	115008	2020	5.296
V Suryanarayana Mummidi, Ketan M Patel	Pseudo-Dirac Higgsino dark matter in GUT scale supersymmetry	Journal of High Energy Physics	2019 (1)	pp. 1-36	2019	5.81
V Suryanarayana Mummidi, PK Vishnu, Ketan M Patel	Effects of heavy neutrinos on vacuum stability in two-Higgs-doublet model with GUT scale supersymmetry	Journal of High Energy Physics	2018 (8)	pp. 1-33	2018	5.81
Pritibhajan Byakti, Charanjit K	Higgs mass from neutrino-messenger	Journal of High Energy Physics	2017 (28)	pp. 1-55	2017	5.81

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Khosa, V Suryanarayana Mummidu, Sudhir K Vempati	mixing					
Abhishek M Iyer, V Suryanarayana Mummidu, Sudhir K Vempati	Gravitational rescue of minimal gauge mediation	International Journal of Modern Physics A	31 (10)	1650045 pp. 1-21	2016	1.381
V Suryanarayana Mummidu	Neutralino- Neutralino pair annihilation crosssections with flavour violation	High Energy Physics - Phenomenology	arXiv preprint arXiv:1412.8270	pp. 1-14	2014	NA
Eung Jin Chun, V Suryanarayana Mummidu, Sudhir K Vempati	Anatomy of Higgs mass in supersymmetric inverse seesaw models	Physics Letters B	736	470-477	2014	2.654
Abhishek M Iyer, V Suryanarayana Mummidu, Sudhir K Vempati	Gravitational rescue of minimal gauge mediation	High Energy Physics - Phenomenology	arXiv preprint arXiv:1408.4462	pp. 1-24	2014	NA
V Suryanarayana Mummidu, Sudhir K Vempati	A little more gauge mediation and the light Higgs mass	Nuclear Physics B	881	181-205	2014	1.683