

## FACULTY PROFILE

1. Name : Dr.A.Chitti Babu
2. Designation :Associate professor
3. Department : First Year Engineering Dept
4. Date of of Joining :02/08/2023
5. Nature of Employment:Regular
6. Date of Birth : 18/06/1982
7. Unique ID (AICTE FID) :
8. Email : [chittiphy@gmail.com](mailto:chittiphy@gmail.com),[chittipsix@gmail.com](mailto:chittipsix@gmail.com)
9. Phone 9963501456



10. Address For Communication: s/o Narasimha Murthy

chintalapudi(post), chintalapudi (Mandal),

Eluru (Dist)

Andhra Pradesh.

11.Educational Qualification:

Qualification	Institute	University/ Board	Specialization	Year of Passing	Division/ Class
Ph.D.	Acharya Nagarjuna University	Acharya Nagarjuna University	Glass science	2018	
M.Phil	Acharya Nagarjuna University	Acharya Nagarjuna University	Glass science	2010	I
PG	Acharya Nagarjuna University	Acharya Nagarjuna University	Physics	2006	I
UG	Govt.Degree college	Andhra University	B.Sc (MPC)	2004	I
Inter/Diploma	Govt.Junior college	Board of Intermediate	M.P.C	2000	II
SSC	Govt.High School	Secondary school education	ALL	1998	II

11. Work Experience: 16

Teaching: 10      Research: 06      Industry:      Total:16

Name of the Organization	Designation	Date From	Date To
SIR C R Reddy College Of Engineering	Associate Professor	02/08/2023	Till Date
Krishna University	Assistant Professor ©	01/01/2022	01/08/2023

Ramachandra college of Engineering	Assistant Professor	20/10/2020	31/12/2021
IIIT,Nuzvid	lecturer	04/09/2019	30/05/2020
Sree vahini institute of science and technology	Assistant Professor	26/07/2013	28/02/2017
Vikas Degree college (PG Courses)	lecturer	01/6/2008	31/05/2012
Narayana College	lecturer	01/6/2006	31/05/2008

### 13. Courses taught:

S.No.	Name of the subject	UG/PG
1	Applied Physics	UG
2	Engineering physics	UG
3	Material Science	PG
4	Solid State Physics	PG
5	Mathematical Physics	PG
6	Non linear optics and Lasers	PG

### 14. Administrative Responsibilities:

S.No.	Description	College/ Department level
1	Class teacher	Department
2	Counsellor	Department

### 15. Research Guidance:

M.Sc		Ph.D.	
Completed	Ongoing	Completed	Ongoing
02			

### 16. Research Publications in Journals (National/International):

S.N o.	Author(s) Name	Title of the Paper	Name of the Journal	National/ International	Month & Year	Volume, Issue No, Page Nos	UGC/ Web of Sciences/ Scopus/ SCI/ Others
1	K.Lokeswararao,lalitha devi,g.Raju Moturu,Anand Rao,k,PES Bhaskar, <b>A.ChittiBabu</b>	Physical,spectroscopic propertiesof PbO-GeO <sub>2</sub> glasses doped with Cr <sub>2</sub> O <sub>3</sub>	Juni Khyat	National	August 2023	Vol-13,Issue-08,No.01	UGC
2	K.R.Kandula,T.Shet,Mohan.N ,K.LRao,A.A.Ansari,K.M,Alota ibi,A.A,Alotaibi, <b>A.ChittiBau</b> , N.NRao,S.Vadnala,P.R.Rao,R. Bhimireddi	Structural Phase Modulation in Lanthanum and Tin cobstituted Pb(Zr,Ti)O <sub>3</sub> Ceramics and its Energy and Pyroenergy Storage Properties	PSS a -Wiley	International	Dec &2022	202200421	SCI
3	P. Naresh, N.Narasimha rao,P.Ramesh Babu, <b>A.Chitti Babu</b>	Physical and elastic properties of ZnO-Sb <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> : V <sub>2</sub> O <sub>5</sub> glasses	Dickensian	International	2022	Vol-4,Issue-22 Page No;915	Scopus
4	Kumara Raja Kandula, Sai Pavan Prashanth Sadhu , Mohan Nuthalapati <b>A.Chitti Babu</b> , Tirupathi Patri “	Effect of kinetic growth on polar dynamics under electric field and temperature in eco-friendly NBTMn-BAl-NaNb	Ceramic International -Elsevier	International	15 March 2022,	Volume 48, Issue 6, Pages 8620-8626	SCI

		pyroelectric ceramics					
5	N.Narasimha rao,P.Raghava rao,B.J.R.S.N.Swamy. <b>A.Chitti Babu</b> ,T.Sambasiva rao,N.Ch.Ramesh Babu	The influence of Vanadium ions in spectral properties of ZnO-Sb <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> glasses	IJMTST060930	National	2020	6(9): 201-207, doi.org/10.46501	UGC
6	P.Raghava rao N.Narasimha rao, B.J.R.S.N.Swamy. <b>A.Chitti Babu</b> ,N.Ch.Ramesh Babu, T.Raghavendra rao,T.Sambasiva Rao	Optical Properties of Tm <sup>3+</sup> Ions in MO (M= Li, Na and K) - Al <sub>2</sub> O <sub>3</sub> - P <sub>2</sub> O <sub>5</sub> Glass Systems	Journal of Advanced Research in Polymer and Textile Engineering	National	2020	Volume 1, Issue 1 - 2020, Pg. No. 21-29	UGC
7	K. S. K. R. Chandra Sekhar, Kumara Raja Kandula ,K. Sowri Babu, N. Narasimha Rao <b>A. Chitti Babu</b> ·K. Chandra Mouli1 · Tirupathi Patri	Co-substitution of Er/Yb on structural and electrical properties of NKBT-BCZT solid solutions	SN Applied sciences- Springer nature journal	International	2019	doi.org/10.1007/s42452-019-1691-x,	SCI
8	P. Naresh, A. Chitti Babu L. Srinivasa Rao G. Nagaraju	Effect of TiO <sub>2</sub> modifier oxide on a B <sub>2</sub> O <sub>3</sub> glass system	i-manager`s Journal on Physical Sciences (JPHY)	National	2019	Volume 1, Issue 1 - 2019	Others
9	<b>A. Chitti Babu</b> , T.Sambasiva Rao, D.V.Krishnareddy, M. Rami Reddy	Spectroscopic Properties of Sm <sub>2</sub> O <sub>3</sub> -V <sub>2</sub> O <sub>5</sub> Co-Doped PbO-As <sub>2</sub> O <sub>3</sub> Glasses	(IJESI)	National	2018	Volume 7 Issue 3 Ver. VI    March 2018    PP13-22	UGC
10	<b>A. Chitti Babu</b> , T.Sambasiva Rao, D.V.Krishnareddy, M. Rami Reddy	Reddish-orange emission from Samarium doped PbO-As <sub>2</sub> O <sub>3</sub> glasses	(IJCESR)	National	2018	VOLUME-5, ISSUE-2	UGC

### 17. Research Papers in Conferences (National/International):

S.N o.	Author(s) Name	Title of the Paper	Name of the Conference/Journal	National/ International	Month & Year	Page Nos
1	N. Narasimha Rao, P. Raghava Rao, B. J. R. S. N.	Influence of Ti <sup>3+</sup> ions on spectroscopic	NCPCM2020 ,AIP Conference Proceedings	National	Volume 2369, Issue 1 13 September	

	Swamy, P. Naresh, <b>A. Chitti Babu</b> , N. Ch. Ramesh Babu	properties of PbO-Al <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> glasses systems			2021	
2	N. Aruna, K. Chandra Mouli, P. V. N. Kishore, J. Ashok, N. Rajeswara Rao, D. Vijaya Lakshmi, <b>A. Chittibabu</b>	Monitoring of pH by using stimulus responsive hydrogel and Fiber Bragg grating for bioreactor application	Biomedical Imaging and Sensing Conference 2021, Proc. of SPIE	International	Vol. 11925, 119251B doi: 10.1117/12.2615861	SPIE · 0277-786X
3	P. V. N. Kishore, N. Aruna, J. Ashok, N. Rajeswara Rao, D. Vijaya Lakshmi, A. Chittibabu	Carcinogenic chromium (VI) sensing using swelling characteristics of hydrogel on Fiber Bragg grating	Biomedical Imaging and Sensing Conference 2021, Proc. of SPIE	International	Vol. 11925, 119251B doi: 10.1117/12.2615861	SPIE · 0277-786X
4	P. Naresh, S. K. Fkruddin Babavali, <b>A. Chitti Babu</b> , P. Raghava Rao, N. Narasimha Rao,	Optical Studies of Chromium doped zinc oxyfluoro borate glasses – A Possible disordered material for tunable LASERS	Elsevier publications, Materials Today: Proceedings 5 (2018) 26389–26396	International	(2018)	26389–26396
5	A. Chitti Babu, D. V. Krishna Reddy, T. Sambasiva Rao, M. Rami Reddy	The role of vanadium ions in PbO-As <sub>2</sub> O <sub>3</sub> glasses	Elsevier publications, Materials Today: Proceedings 5 (2018) 26223–26231.	National	(2018)	26223–26231.
6	T. Sambasiva Rao, D. V. Krishna Reddy, <b>A. Chitti Babu</b> , A. Lakshmi Prasanna, M. Rami Reddy	Spectroscopic characteristics of chromium ions in PbO-Al <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> glass system	Elsevier publications, Materials Today: Proceedings 5 (2018) 26389–26396.	National	(2018)	26389–26396.
7	. Raghava Rao, N. Narasimha Rao, B. J. R. S. N. Swamy, <b>A. Chitti Babu</b> & Kumara Raja Kandula	Renewable energy sources	<i>NSSIHSNENRM-2019</i>	National	2019	
8	<b>A. Chitti Babu</b> , D. V. Krishna Reddy, T. Sambasiva Rao, P. Arun Kumar, B. Shiva Rami Reddy, M. Rami Reddy	Spectroscopic studies on PbO-As <sub>2</sub> O <sub>3</sub> glasses doped with V <sub>2</sub> O <sub>5</sub>	ICSEMF-2015 Proceedings	International	2015	ISBN 978-1-329-77555-8 (e-book)

### 18. No of Books Published:

S.No.	Author(s) Name	Title	Publisher	ISBN	Year of Publishing

**19. Workshops/ FDPs/STTPs /etc., (Organised):**

S.No.	Name of the Workshop/ FDP/STTP/ etc.,	Place	Period	
			From	To
1	One week FDP on recent advances on material characterizations	Machilipatnam	29/08/2022	03/09/22

**20. Workshops/ FDPs/STTPs/ etc., (Attended):**

S.No.	Name of the Workshop/ FDP/STTP/ etc.,	Place	Period	
			From	To
1	Nanoscience and Technology for Better Future	Vaddeswaram	30th June 2023	30th June 2023
2	“Synthesis, Characterization and Applications of Nano-Materials”	Lucknow	October-28, 2021	October-28, 2021
3	Dimensions of wellness	Mumbai	October-14, 2022	October-20, 2022
4	“An Overview of the Characterization Techniques”	Vaddeswaram	Dec-01, 2021	Dec-01, 2021
5	Recent advances in Engineering Physics	Ongole	13/07/2021	17/07/2021

**21. Sponsored Projects:**

S.No.	Title	Sponsored by	Amount	Period	Ongoing/ Completed

**22. Consultancy Projects:**

S.No.	Title	Agency	Amount	Period	Ongoing/ Completed

**23. No of Patents (Filed/Granted):**

S.No.	Title	Application Number	Year	Filed/Granted
1	APPARATUS FOR SANITIZING ARTICLES WITH ROTATABLE INNER CHAMBER TO EVENLY DISTRIBUTE UV RADIATION	202141022452 A	2021	Filed
2	A Study of Magnetic Properties of Dy doped YFeO3 Multiferroics	202241003612 A	2022	Filed

**24. Awards/HonoursReceived:**

S.No.	Award Name	Awarded by	Contribution	Date Received

**25. Professional Memberships:**

S.No.	Name of the Professional Body	Membership No.	Membership Type

**26. Membership in BOS/ Editorial Boards:**

S.No.	Name of the University/ Journal	Member/ Editor/ Reviewer	Period

**27. Details of Personal Blogs/ Educational Youtube Channels/ e content (if any):**

**28. Details of Innovative Design/ Development of Product or Model (if any):**

**29. Technology Transfer:**

**30. Special Achievements (If any):**

**31. Personal Details:**

- (a) Father's Name : Narasimha Murty  
(b) Mother's Name : Satyavathi  
(c) Gender : Male  
(d) Marital Status : Married  
(e) Religion : Hindu  
(f) Nationality : Indian



Signature