

Web team Members have to submit the following document (both Hot and Soft) to the college web page updation team.

1. About the Department:

- i. 3 Photos related to department. (Ex. Dept. logo / dept. photo / Quotes)
- ii. Brief Description about your department.

2. Vision and Mission:

3. Academic Programmes (Submit on the following format)

S.No	Programme	No. of Sections	Syllabus	Year of Establishment
1	B.Sc -Physics	1	2011&2015	1970
	M.Sc - Physics	1	2011&2015	2003

4. Research Programmes:

S.No	Programme	Total Strength	Syllabus	Year of Establishment
1	M.Phil -Physics		2011	2003
2	Ph.D -Physics	14	-	2003

List of approved Research Advisors for M.Phil

Photo	Name : Dr.S.Kumararaman Designation : Associate Professor & HOD Area of Specialization : Crystal Growth e-mail :kumararaman2001@yahoo.co.in
Photo	Name : Prof. K. Nagarajan Designation : Associate Professor Area of Specialization : Nano Technology e-mail :venkatathan@gmail.com
Photo	Name : Dr. K. Gnanasekaran Designation : Associate Professor Area of Specialization : Liquid Crystals e-mail : kgganam@gmail.com
Photo	Name : Dr. A. Venkatesan Designation : Associate Professor Area of Specialization :Nonlinear Dynamics e-mail :av.phys@gmail.com
Photo	Name : Dr. A. Rajendran Designation : Associate Professor Area of Specialization : Embedded Systems e-mail :neelrajnmc@gmail.com
Photo	Name : Dr. P.Palaniyandi Designation : Assistant Professor Area of Specialization : Nonlinear Dynamics e-mail :pazhani99@gmail.com
Photo	Name : Mrs.R.Sangeetha Designation : Assistant Professor Area of Specialization : Spectroscopy e-mail : sangeethaashok78@yahoo.com

Photo	Name : Mr.P.R.Venkatesh Designation : Assistant Professor Area of Specialization : Non linear dynamics e-mail :venkatesh.sprv@gmail.com
Photo	Name : Dr. V.Pandiyan Designation : Assistant Professor Area of Specialization : Nano Materials e-mail :pandiyanphy@gmail.com
Photo	Name : Dr. K.Srinivasan Designation : Assistant Professor Area of Specialization : Non linear dynamics e-mail : ksrini1@gmail.com

List of approved Research Advisors for Ph.D

Photo	Name : Dr.S.Kumararaman Designation : Associate Professor & HOD Area of Specialization : Crystal Growth e-mail :
Photo	Name : Dr. K. Gnanasekaran Designation : Associate Professor Area of Specialization : Liquid Crystals e-mail : kggnanam@gmail.com
Photo	Name : Dr. A. Venkatesan Designation : Associate Professor Area of Specialization :Nonlinear Dynamics e-mail : av.phys@gmail.com
Photo	Name : Dr. A. Rajendran Designation : Associate Professor Area of Specialization : Embedded Systems e-mail : neelrajnmc@gmail.com
Photo	Name : Dr. V.Pandiyan Designation : Assistant Professor Area of Specialization : Nano Materials e-mail : pandiyanphy@gmail.com

PhD Scholars:

Photo	Name : Title :	Guide : Dr. S.Kumara raman
Photo	Name : Title :	Guide: Dr. S.Kumara raman
Photo	Name : Title :	Guide : Dr. S.Kumara raman
Photo	Name : Title :	Guide : Dr. S.Kumara raman
Photo	Name :Mr.Iqpal Title :	Guide: Dr. K. Gnanasekaran
Photo	Name :Mrs. S.Manimegalai Title :	Guide: Dr. K. Gnanasekaran
Photo	Name :Mr.P.R.Venkatesh Title :	Guide : Dr. A.Venkatesan
Photo	Name :Mr.R.Gopal Title :	Guide : Dr. A.Venkatesan
Photo	Name :Mr.R.Kabilan Title :	Guide: Dr. A.Venkatesan
Photo	Name :Mr.T.Kavitha Title :	Guide: Dr. A.Rajendran
Photo	Name :Mr.P.Ramesh Title :	Guide: Dr. A.Rajendran
Photo	Name :A.Shakila Title :	Guide : Dr. V.Pandiyan
Photo	Name :R.Rajalakshmi Title :	Guide: Dr. V.Pandiyan
Photo	Name :Gerald arokyaraj Title :	Guide : Dr. V.Pandiyan

Photo	Name :S.Mathi Title :	Guide: Dr. V.Pandiyan
Photo	Name :Gnanamozhi Title :	Guide: Dr. V.Pandiyan




5. Board of Studies Members:

6. Curriculum and Syllabus

Semester	S.No	Subject Code	Subject title	Syllabus
I semester	1			
	2			
	3			

7. Faculty:

Aided:

	Name : Dr.S.Kumararaman M. Sc., M. Phil., Ph. D., PGDCA, Designation : Associate Professor & HOD Area of Specialization : Crystal Growth e-mail :kumararaman2001@yahoo.co.in
	Name : Prof. K. Nagarajan M. Sc., M. Phil, Designation : Associate Professor Area of Specialization : Nano Technology e-mail :venkatathan@gmail.com
	Name : Dr. K. Gnanasekaran M. Sc., B. Ed., M. Phil., Ph. D, Designation : Associate Professor Area of Specialization : Liquid Crystals e-mail :kggnanam@gmail.com

	<p>Name : Dr. A. Venkatesan M. Sc., M. Phil., Ph. D, Designation : Associate Professor Area of Specialization :Nonlinear Dynamics e-mail :av.phys@gmail.com</p>
	<p>Name : Dr. A. Rajendran M. Sc., PGDMH., Ph. D Designation : Associate Professor Area of Specialization : Embedded Systems e-mail :neelrajnmc@gmail.com</p>
	<p>Name : Dr. P. Palaniyandi M. Sc., Ph. D, Designation : Assistant Professor Area of Specialization : Nonlinear Dynamics e-mail :pazhani99@gmail.com</p>
	<p>Name : Mrs. R. Sangeetha M. Sc., M. Phil., Ph. D, Designation : Assistant Professor Area of Specialization : Spectroscopy e-mail : sangeethaashok78@yahoo.com</p>








	<p>Name : Mr. P.R. Venkatesh M. Sc., M.Phil., PGDCA, Designation : Assistant Professor Area of Specialization : Non linear dynamics e-mail :venkatesh.sprv@gmail.com</p>
	<p>Name : Dr. V. Pandiyan M.Sc., Ph.D., Designation : Assistant Professor Area of Specialization : Nano Materials e-mail : pandiyanphy@gmail.com</p>

Photo	Name : Dr. K.Srinivasan M.Sc., Ph.D., Designation : Assistant Professor Area of Specialization : Non linear dynamics e-mail :ksrini1@gmail.com
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Un-Aided : **Teaching Staff:**



1		Name : Dr.G.Thilagavathi Msc.,Mphil.,B.Ed.,PhD., Designation :Assistant Professor e-mail : kssk0414@gmail.com Profile
2		Name: Mr.R.Kabilan Msc.,MPhil., PhD Designation : Assistant Professor e-mail : rajakabiklan82@yahoo.co.in Profile
3		Name : Mr.A.Jagadeesan MSc.,MPhil.,PGDCA.,PhD.,CSIR-NET Designation : Assistant Professor e-mail :mrajnmc@yahoo.com Profile
4		Name: Mr.P.Ramesh MSc., MPhil., PhD Designation : Assistant Professor e-mail : p.ramesh704@gmil.com Profile
5		Name : Mr.T.Kumaravel , M.Sc.,M.Phil,B.Ed., Designation : Assistant Professor e-mail : meen.vel80@yahoo.com Profile

6		<p>Name: Miss.S.Manimegalai M.Sc., M.Phil, $\overline{\text{PhD}}$ Designation : Assistant Professor e-mail : mscmanimegalai@gmail.com</p> <p style="text-align: center;">Profile</p>
7		<p>Name :Mr.P.Prabu., M.Sc., M.Phil, B.Ed., Designation : Assistant Professor e-mail : prabu.anp@gmail.com</p> <p style="text-align: center;">Profile</p>
8		<p>Name :Miss.C.Malini., M.Sc., M.Phil, B.Ed., Designation : Assistant Professor e-mail : cmalininmc@gmail.com</p> <p style="text-align: center;">Profile</p>
9		<p>Name: Mr.P.S.Mathi. M.Sc., M.Phil, B.Ed., $\overline{\text{PhD}}$ Designation : Assistant Professor e-mail : mathinmc@gmail.com</p> <p style="text-align: center;">Profile</p>
10		<p>Name: Miss.S.Vishnupriya M.Sc., M.Phil, Designation : Assistant Professor e-mail : vishnunmc@gmail.com</p> <p style="text-align: center;">Profile</p>
11		<p>Name :Mr.A.Veerapandiyan MSc., Ms., Designation : Assistant Professor e-mail : mathscien@gmail.com</p> <p style="text-align: center;">Profile</p>
12		<p>Name: Mr.M.Ashokkumar M.Sc., M.Phi.l, $\overline{\text{PhD.}}$, Designation : Assistant Professor e-mail : ashok_musiri@yahoo.co.in</p> <p style="text-align: center;">Profile</p>


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8. Supporting Staff :

Aided:

	<p>Name : Mr. S.Vaithesvaran Designation : P.G. Lab Assistant e-mail : Profile</p>
	<p>Name : Mr. N.Senthilkumar Designation : Junior mechanic e-mail : Profile</p>

Unaided:

1	Photo	<p>Name :Mr.D.Raghu Designation :Demonstrator e-mail : Profile</p>
2	Photo	<p>Name :Miss.R.Nathiya Designation : Demonstrator e-mail : Profile</p>
3	Photo	<p>Name : Miss.A.TamilSelvi Designation : Demonstrator e-mail : Profile</p>
4		<p>Name :Mr.R.Prabakaran Designation : Lab Assistant e-mail :prabakaranmc@gmail.com Profile</p>

5	Photo	Name :Mr.Sureshkumar Designation : Mechanic e-mail : Profile

9. Academic Activities :

(1) Workshops organized :

S. No	Date	Title	Resource Person	Participants

(2) Seminars organized:

S. No	Date	Title	Resource Person	Participants
1	14.02.2014	SEMINAR ON MATERIALS OF THIS MILLENNIUM		PG and research scholars

(3) Intra – Collegiate Competitions :

(4) Intercollegiate Competitions :

10. Alumni

Name	Designation	Organization / Institution

11. Placements

Name	Designation	Organization / Institution

12. MQAC:

(1) Objectives (2) Activities (3) MQAC Members

13. Facilities & Services :

(Create a Report with Photo)

14. Web Team:

Web team member Name and Designation. (If any students will involve give their name and class details with Photo)

1. Mrs.R.SANGEETHA

Aided

Assistant professor of Physics

Nehru Memorial College (A)

Puthanampatti.

2. Mr.A.Jagadeesan

Unaided

Assistant Professor of Physics

Nehru Memorial College

Puthanampatti

15. Photo gallery



Photos of department activities and others

16. Achievements :

Rank holders / achievements of students on the intra collegiate competition / inter collegiate competitions / achievements of staff members

- ❖ Our M. Sc. Student S.Sobhana got University First Rank with gold medal in the year 2014.
 - ❖ Miss V.Ranjitha of B. Sc Physics got University fourth rank in the year 2014.
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Web team members of every department have to submit the following documents in the given format.

1. Curriculum and Syllabus (pdf)
2. Major Research Projects
3. Minor Research Projects
4. Photo Gallery (Important Photos only)
5. Press News (with photos and Report)

Web team members of every department have to submit the following documents in the given format.

Document – 2

Curriculum and Syllabus (pdf)

Document – 3 Major Research Projects

(1) Completed Projects

Staff Name	Name of the Project	Funding Agency	Amount (Rs.)
Dr. S. Kumararaman	Growth and Characterization of $\dots\text{LaMnO}_3$ crystals (2007-2010)	7,49,100	UGC

(2) Ongoing Projects

Staff Name	Name of the Project	Funding Agency	Amount (Rs.)
Dr. S.Kumararaman	Kinetics Nucleation and Growth of amino acid based Bimetallic NLO crystals	UGC	11,78,000/-
Dr. K. Srinivasan	Design and study of regular and delayed chaotic circuits for emergent nonlinear phenomena	SERB-DST, New Delhi	24,65,000/-

Document – 4 Minor Research Projects

(1) Completed

Staff Name	Name of the Project	Funding Agency	Amount (Rs.)
Dr. A. Rajendran	Design and Development of Micro controller	UGC	70,000

	Based Systems for Measurement of Nitrate ion Levels in Water Samples (2007-2009)		
Dr. P. Palaniyandi	Stability of Synchronous Chaos and Generalized Turing Patterns in P-Neighbours Diffusive Coupled Dynamical Systems with their Applications to Image Compression (2008-2011)	DST	2,10,000
Dr. S. Muthukumaran	Preparation and characterization of Mn incorporated zinc sulfide (ZnS) nanostructure (2008 – 2010)	UGC	90,000
Mrs.G.Thilagavathi	“Studies Growth and Characterization of some NLO Crystals by S-R Method.”	UGC	1,10,000
Dr.A.Venkatesan	Strange non_choatic attractors in non linear circuits	UGC	1,10,000

(2) On going Projects

Staff Name	Name of the Project	Funding Agency	Amount (Rs.)

Document – 5 Publications

Staff Name & department	Title	Vol. No. & Page.No
S. Kumara Raman &Physics	Synthesis, growth and characterization studies on non linear optical crystal-Trisglycine Zinc Chloride	5(5) (2014) 12-17

S. Kumara Raman &Physics	Effect of Magnesium Chloride on the Habit Modification of Spectral, Thermal and Nonlinear Properties in KDP Crystals	3(2) (2015)
A. Venkatesan &Physics	Effect of asymmetry parameter on the dynamical states of nonlocally coupled nonlinear oscillators	91, 062916 (2015)
A. Venkatesan &Physics	Mechanism for intensity-induced chimera states in globally coupled oscillators	90, 062913 (2014)
A. Venkatesan &Physics	Observation and characterization of chimera states in coupled dynamical systems with nonlocal coupling	89, 052914 (2014)
A.Rajendran &Physics	Heat transfer intensification by Nanofluids	73 (2014) 711-712
A.Rajendran &Physics	Synthesis of Zinc Oxide Nanoparticles from Fruit of Citrus Aurantifolia by Chemical and Green Method	2(4)(2014) 189-195

Document - 6

Photo Gallery (Important Photos only)

Document - 7

Press News (with photos and Report)