



**Sri Ramakrishna Institute of Technology  
(An Autonomous Institution)**

(Accredited by NAAC with "A" Grade)

Pachapalayam, Perur Chettipalayam, Coimbatore – 641 010

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**Faculty Profile**

<b>Full name with Qualification, Designation and Department:</b>  <b>Dr. V Chitra ,B.Sc., M.Sc., Ph.D.,</b> Associate Professor and Head Department of Science and Humanities/Physics					
<b>Date of birth</b>	:	22.04.1964	<b>Gender</b>	:	Female
<b>Nationality</b>	:	Indian	<b>Marital status</b>	:	Married
<b>Address for correspondence</b>	:	New. No.88 Old No. 312/1 Sri Ram Nagar, Near Murugan Nagar, Peelamedu, Coimbatore-641004	<b>Permanent address</b>	:	New. No.88 Old No. 312/1 Sri Ram Nagar, Near Murugan Nagar, Peelamedu, Coimbatore-641004
<b>Mobile no</b>	:	9942151558	<b>e-mail (official)</b>	:	chitra.sh@srit.org
<b>Landline</b>	:	-	<b>e-mail (personal)</b>	:	chitrasrit22@gmail.com
<b>Date of joining</b>	:	23.07.2003	<b>Post of joining</b>	:	Lecturer
<b>No of promotions since D.O.J</b>	:	Three	<b>Present post</b>	:	Associate Professor and Head
<b>Present pay scale</b>	:	Rs.37,400 – 67,000	<b>Gross pay</b>	:	Rs.86,637.00/-
<b>Employer ID</b>	:	TE063	<b>Bank account No. (Salary credited)</b>	:	500101010539092
<b>P.F. No</b>	:	TN/CBE/56764/028	<b>Group Insurance No</b>	:	170100/48/13/42/00001717
<b>PAN Number</b>	:	AJDPC0743N	<b>Aadhar Number</b>	:	8320 4441 5531
<b>AICTE ID</b>	:	1-466508037	<b>AICTE Institution ID</b>	:	I- 7841521

**Educational Qualification**

Degree	Specialization	Year of Passing	Name of the College	Name of the University	Class Obtained
UG	B.Sc.-Physics	1986	P.S.G.R. Krishnammal College for Women, Coimbatore	Bharathiar University, Coimbatore	64.4% I Class
PG	M.Sc.- Physics- Electronics	1988	P.S.G. College of Arts and Science, Coimbatore	Bharathiar University, Coimbatore	71.4% I Class
Ph.D	Ph.D.- Thin films- Solar cell Nano Technology	2015.	Coimbatore Institute of Technology, Coimbatore	Anna University Chennai	Highly Commended
Others	M.Phil.- Physics- Electronics	1991	P.S.G. College of Arts and Science, Coimbatore	Bharathiar University, Coimbatore	Passed

**Registration for Ph.D. with area of interest :** Thin Film Nano Technology – Solar Cell

**Year of Ph.D. Registration :** 2010

**Year of Ph.D. Completed:** July 2015.

**Thesis Title :** Fabrication and Characteristics of Pulse Electrodeposited CIS and CIGS Nano Crystalline Thin Film

**Supervisor Recognition Number :** 4272520

**Ph.D. Scholar Details**

S.No.	Name of the scholar	Registration details	College	Status
1.	Ravi K	18147691179	Coimbatore Institute of Engineering and Technology (CIET)	Confirmation completed

### Academic Experience

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Ramakrishna Institute of Technology, Pachapalayam, Coimbatore – 10.	Associate Professor and Head	01.06.2019	Till date	4	5	24
Sri Ramakrishna Institute of Technology, Pachapalayam, Coimbatore – 10.	Assistant Professor (Selection Grade)	01.11.2012	30.05.2019	6	6	29
Sri Ramakrishna Institute of Technology, Pachapalayam, Coimbatore – 10.	Assistant Professor (Senior Grade)	01.08.2010	31.10.2012	2	2	30
Sri Ramakrishna Institute of Technology, Pachapalayam, Coimbatore – 10.	Senior Lecturer	01.7.2009	31.07.2010	1	-	30
Sri Ramakrishna Institute of Technology, Pachapalayam, Coimbatore – 10.	Lecturer in Physics	23.07.2003	30.06.2009	5	11	7
Suguna Polytechnic College, Nehru Nagar, Coimbatore – 14.	Lecturer in Physics	16.06.98	10.06.03	4	11	24
Protek Land Computer Centre, Peelamedu, Coimbatore – 04.	Faculty	10.08.94	01.06.98	3	9	21
Ministry of Science, Technology and Vocational Training, Zambia.	Senior Lecturer in Physics	23.03.94	29.07.94	-	4	6
Ministry of General Education, Zambia.	Senior Teacher in Physics	22.04.91	15.03.94	2	10	23

SNR Sons College, Ganapathy (PO), Coimbatore – 06.	Assistant Professor in Electronics	19.07.88	18.04.91	2	8	29
<b>Total</b>				31	04	13

### Industrial Experience

Name of the Organisation	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
-	-	-	-	-	-	-	-
<b>Total</b>							

### Courses Handled

Academic Year	Semester	Course Code	Course Name	Type of Course (T / L)	Pass Percentage
2021 -2022	II-IT	20PHG01	Engineering Physics	Theory	79%
	II-CSE A	20PHG01	Engineering Physics	Theory	92%
	II- CSE A	20PHG02	Engineering Physics Lab	Laboratory	100%
	II- IT	20PHG02	Engineering Physics Lab	Laboratory	100%
	I- EEE	20PHG02	Engineering Physics Lab	Laboratory	100%
	I- MECH	20PHG02	Engineering Physics Lab	Laboratory	100%
	I-MECH	20PHG01	Engineering Physics	Theory	100%
	I-EEE	20PHG01	Engineering Physics	Theory	100%
	II-IT	20PHG01	Engineering Physics	Theory	100%
	II-CSE A	20PHG01	Engineering Physics	Theory	100%
	CSE A	20PHG02	Engineering Physics Lab	Laboratory	100%
	IT	20PHG02	Engineering Physics Lab	Laboratory	100%
	ECE- A	20PHG02	Engineering Physics Lab	Laboratory	100%
	ECE- B	20PHG02	Engineering Physics Lab	Laboratory	100%
	I-ECE B	20PHG01	Engineering Physics	Theory	94%

2020 -2021	I-ECE A	20PHG01	Engineering Physics	Theory	94%
2019 -2020	II-MECH	UICE014	Engineering Material for Mechanical Engineers	Theory	Online-100
	II-EEE	UICE013	Engineering Materials	Theory	Online-100
	CIVIL -A	UICP001	Engineering Physics Lab	Laboratory	100%
	EEE	UICP001	Engineering Physics Lab	Laboratory	100%
	MECH - A	UICP001	Engineering Physics Lab	Laboratory	100%
	I-MECH	UICP001	Engineering Physics	Theory	90.5%
	I-EEE	UICP001	Engineering Physics	Theory	86%
	I-CIVIL	UICP001	Engineering Physics	Theory	82%
2018 -2019	II-MECH B	UICE014	Engineering Material for Mechanical Engineers	Theory	81%
	II-IT	UICE013	Engineering Materials	Theory	73%
	I-MECH B	UICP001	Engineering Physics Lab	Laboratory	100%
	I-IT	UICP001	Engineering Physics Lab	Laboratory	100%
	I-MECH B	UICP001	Engineering Physics	Theory	95.8%
	I-IT	UICP001	Engineering Physics	Theory	96%
2017-2018	II - MECH C	UICE014	Engineering Material for Mechanical Engineer	Theory	87%
	II - ECE - B	UICE013	Engineering Materials	Theory	85%
	II - EEE	UICE013	Engineering Materials	Theory	83%
	II - EEE	UICP001	Engineering Physics Lab	Laboratory	100%
	I - CIVIL	UICP001	Engineering Physics Lab	Laboratory	100%
	I -CIVIL	UICP001	Engineering Physics	Theory	70%
	I -EEE	UICP001	Engineering Physics	Theory	76%
2016-2017	II - ECE-B	PH6251	Engineering Physics I	Theory	48%
	II -MECH B	PH6251	Engineering Physics I	Theory	39%
	II - CSE-A	PH6251	Engineering Physics I	Theory	78%
	II -MECH B	PH6252	Physics and Chemistry Lab	Laboratory	100%
	II - ECE B	PH6252	Physics and Chemistry Lab	Laboratory	100%
	I - MECH B	PH6251	Physics and Chemistry Lab	Laboratory	100%

	I - ECE B	PH6251	Physics and Chemistry Lab	Laboratory	100%
	I - ECE-B	PH6251	Engineering Physics I	Theory	94%
	I - MECH B	PH6251	Engineering Physics I	Theory	73%
2015-2016	EEE	PH6251	Engineering Physics II	Theory	64%
	CSE-B	PH6251	Engineering Physics II	Theory	79%
	II-CSE-B	PH6252	Physics and Chemistry Lab	Laboratory	100%
	I-CSE-B	PH6152	Physics and Chemistry Lab	Laboratory	100%
	EEE	PH6251	Engineering Physics I	Theory	91%
	CSE-B	PH6251	Engineering Physics I	Theory	95%
2014-2015	II-MECH B	PH6251	Engineering Physics II	Theory	69%
	II-ECEA	PH6251	Engineering Physics II	Theory	90%
	II-ECE A	ECE A	Physics and Chemistry Lab	Laboratory	100%
	I-ECE A	ECE A	Physics and Chemistry Lab	Laboratory	100%
	I-ECEA	PH6151	Engineering Physics I	Theory	94%
	I- MECH B	PH6151	Engineering Physics I	Theory	87%
2013-2014	II- CSE	PH6251	Engineering Physics II	Theory	90%
	II -MECH A	PH6251	Engineering Physics II	Theory	85%
	II-CSE	PH6252	Physics and Chemistry Lab	Laboratory	100%
	I- CSE	PH6152	Physics and Chemistry Lab	Laboratory	100%
	I -CSE	PH6151	Engineering Physics I	Theory	86%
	I -MECH A	PH6151	Engineering Physics I	Theory	76%
2012-2013	II -ECE A	PH6251	Engineering Physics II	Theory	94%
	II- CIVIL	PH6251	Engineering Physics II	Theory	77%
	I&II- ECE A	PH6152	Physics and Chemistry Lab	Laboratory	98%
	I- ECE A	PH6151	Engineering Physics I	Theory	94%
	I- CIVIL	PH6151	Engineering Physics I	Theory	76%
	II -ECE B	PH6251	Engineering Physics II	Theory	85%
	II -MECH	PH6251	Engineering Physics II	Theory	81%
	I&II-ECE B	ECE A	Physics and Chemistry Lab	Laboratory	100%

2011-2012	I -ECE B	PH6251	Engineering Physics I	Theory	90%
	I -MECH	PH6251	Engineering Physics I	Theory	92%
2010-2011	II -ECE B	PH6151	Engineering Physics II	Theory	89%
	II- MECH	PH6151	Engineering Physics II	Theory	90%
	I& II -ECE A	PH6152	Physics and Chemistry Lab	Laboratory	100%
	I -ECE B	PH6251	Engineering Physics I	Theory	90%
	I- MECH	PH6251	Engineering Physics I	Theory	95%
2009-2010	II -IT	PH6251	Engineering Physics II	Theory	94%
	II -ECE A	PH6251	Engineering Physics II	Theory	92%
	I- IT	PH6151	Engineering Physics I	Theory	80%
	I& II -ECE A	PH6152	Physics and Chemistry Lab	Laboratory	98%
	I -ECE A	PH6151	Engineering Physics I	Theory	92.3%
2008-2009	II-IT	PH6251	Engineering Physics II	Theory	91%
	II- ECE A	PH6251	Engineering Physics II	Theory	93.1%
	I -IT	PH6151	Engineering Physics I	Theory	95%
	I- ECE A	PH6152	Engineering Physics Lab	Laboratory	100%
	I -ECE A	PH6151	Engineering Physics I	Theory	94.8%
2007-2008	II -Mech	4MC1201	Material Science	Theory	89.3%
	II -ECE B	4MC1201	Material Science	Theory	87.5%
	I-Mech	SP0101	Applied Physics	Theory	91%
	I -ECE B	SP0102	Applied Physics Lab	Laboratory	100%
	I- ECE B	SP0101	Applied Physics	Theory	93%
2006-2007	Annual Pattern Mech	PH1X01	Engineering Physics	Theory	94%
	Annual Pattern CSE	PH1X01	Engineering Physics	Theory	93%
	Annual Pattern ECEA	PH1X02	Physics Lab	Laboratory	100%
	Annual	PH1X01	Engineering Physics	Theory	98%

	Pattern ECE A				
2005-2006	II - Mech	PH1152	Physics II	Theory	56%
	II -ECE B	PH1154	Physics II	Theory	75%
	Section D	PH1102	Physics Lab	Laboratory	98%
	I- Section D	PH1101	Physics I	Theory	95%
	I- Section A	PH1101	Physics I	Theory	98%
	II-EEE	PH151	Physics II	Theory	77.6%
2004-2005	II-ECE	PH154	Physics II	Theory	89.6%
	I- EEE	PH102	Physics Lab	Laboratory	100%
	I- ECE	PH102	Physics Lab	Laboratory	100%
	I- EEE	PH101	Physics I	Theory	69%
	I-ECE	PH101	Physics I	Theory	85%
	II -EEE	PH133	Physics I	Theory	76%
2003-2004	II -ECE	PH137	Material Science	Theory	74.5%
	I -EEE	PH126	Physics Lab	Laboratory	100%
	I- ECE	PH126	Physics Lab	Laboratory	100%
	I -EEE	PH125	Physics I	Theory	72%
	I - ECE	PH125	Physics I	Theory	67%

### Projects Guided

Academic Year	Semester	Project Title	UG / PG
1990-1991	VI	Monochrome Television Receiver	UG
1990-1991	VI	Heart Beat Monitor	UG
2000-2001	VI	Mini Exchange	UG

### Publications

Publications	SCI / Scopus / Web of Sciences	Others
Journal	11	-
Conferences	19	

## Journal Publications

National /International	Topic/Author Name	Journal	Year of Publication
International	"Experimental analysis on hardness of textile steel components with tungsten carbide coatings"	Published in the journal Materials Today: Proceedings Vol. 47(2021 Jan 1)pp4558-4561- ELSEVIER-available in Science Direct , June 2,2021.	2021
International	"Determination of specific wear rate of steel coated with tungsten carbide using Taguchi technique for textile applications"	Published in the journal Materials Today: Proceedings Vol. 47(2021 Jan1)pp4562-4565 - ELSEVIER-available in Science Direct , June 2,2021.	2021
International	"Structural and surface morphology of chemical bath deposited lead selenide (PbSe) thin films" <sup>1</sup> K. Ravi , <sup>2</sup> V. Chitra  <sup>1</sup> Dept of Physics, Coimbatore Institute of Engineering and Technology, Coimbatore.  <sup>2</sup> Dept. of Physics, Sri Ramakrishna Institute of Technology, Coimbatore, India	Published in the journal Materials Science and Engineering 932(2020)012133 doi:10.1088/1757-899X/932/1/012133.. .( Scopus index Journal).	2020
International	,"Characteristics of lead selenide (PbSe) thin films deposited by CBD"  <sup>1</sup> K. Ravi , <sup>2</sup> V. Chitra  <sup>1</sup> Dept of Physics, Coimbatore Institute of Engineering and Technology, Coimbatore.  <sup>2</sup> Dept. of Physics, Sri Ramakrishna Institute of Technology, Coimbatore, India	Published in the Emerging Interfaces of Physical Sciences and Technology <b>2019</b> AIP Conf. 2174,Proc.2224,050003-1-050003-4; <a href="https://doi.org/10.1063/5.0001013">https://doi.org/10.1063/5.0001013</a> .Published by AIP Publishing,978- 0- 7354-1983-4. Published Online :29 May 2020. ( Scopus)	2019
International	PULSE PLATED CuInGaSe <sub>2</sub> THIN FILMS AND THEIR CHARACTERISTICS V. Chitra Dept. of Physics, Sri Ramakrishna Institute of Technology, Coimbatore, India S.Vasantha Dept. of Physics, CIT, Coimbatore, India	International Journal of Mechanical Engineering and Technology (IJMET)  Volume 9, Issue 13, December 2018, pp. 182–191	2018

International	Properties of Pulse Electrodeposited CuInGaSe <sub>2</sub> Films K.R.Murali, V.Chitra.	ECS Transactions-2015 Volume 69, Issue 31, Page 15-20.	2015
International	Structural, Optical, Electrical and Photo Conducting Properties of Pulse Plated Copper Gallium Selenide Films V.Chitra, S.Vasantha, K.R.Murali	Composites Part B: Engineering Vol. 58, pp.160-165 (Annexure I Impact Factor 2.143)	2014
International	Photo Electrochemical Behaviour of Copper Indium Selenide thin Films V.Chitra, K.Ananthi, S.Vasantha	Advanced Materials Research, Vol. 678, pp.343 – 348 (Annexure II)	2013
International	Deposition of CdSe Films by Pulsed Galvanostatic Electro Deposition and their Properties K.Ananthi, S.Dhanpandian, N.Muthukumarasamy, K.Thilagavathy, V.Chitra.	Advanced Materials Research, Vol. 678, pp.144 – 148 (Annexure II)	2013
International	Pulse Electrodeposited CuGaSe <sub>2</sub> Films and their Properties V.Chitra, S.Vasantha, K.R.Murali	Paper Published for Publication in “ECS Transactions – Boston, MA” Volume 41, Issue 44, Page 99-104. “Electrodeposition of Nan engineered Materials and Devices 4”, from the Boston, MA Meeting	2012
International	Pulse Electrodeposited Copper Indium Selenide Films K.R.Murali, V.Chitra, S.Vasantha.	Paper Published in 219 ECS Meeting, Montreal QC, Canada Volume MA2011-01, Issue 26, Page 1546.	2011

#### Conference Publication:

S. No	Conference	Venue	Title	Date
1.	International Conference on Nanoscience and Nanotechnology (ICNN 2011)	Coimbatore Institute of Technology (CIT), Coimbatore	Photoelectrochemical Behaviour of Copper Indium Selenide thin film	July 6 <sup>th</sup> to 8 <sup>th</sup> - 2011
2.	International Conference on Nanoscience and Nanotechnology (ICNN 2011)	Coimbatore Institute of Technology (CIT), Coimbatore	Deposition of CdSe films by Pulsed Galvanostatic Electrodeposition and their Properties	July 6 <sup>th</sup> to 8 <sup>th</sup> - 2011

3.	National Conference on Nanoscience and Nanotechnology	University of Madras, Chennai	Pulse Electrodeposited Copper Indium Selenide Films and their Photo Electrochemical Behaviour	August 25 <sup>th</sup> to 27 <sup>th</sup> - 2011
4.	International Conference on Nanoscience, Engineering & Technology (ICONSET-2011)	Sathyabama University, Chennai	Electrochemical Photovoltaic Cells with Pulse Electrodeposited Copper Indium Selenide Films	November 28 <sup>th</sup> to 30 <sup>th</sup> - 2011
5.	International Conference on Advanced Materials (ICAM 2011)	PSG College of Technology, Coimbatore	Pulse Plated CuGaSe <sub>2</sub> Thin Films and their Characteristics	December 12 <sup>th</sup> to 16 <sup>th</sup> - 2011
6.	National Conference on Thrust Areas in Engineering (NCTAE-2012)	Global Academy of Technology, Bangalore	Characteristics of Pulse Plated CuGaSe <sub>2</sub> Films	January 20 <sup>th</sup> to 21 <sup>st</sup> - 2012
7.	National Conference on Recent Trends in Materials Science (NCRMS-2012)	A.V.C. College, Mayiladuthurai	Properties Of Pulse Electrodeposited CuGaSe <sub>2</sub> Films	March 8 <sup>th</sup> to 9 <sup>th</sup> - 2012
8.	International Conference on Nano materials for Frontier Applications and Indo – Norwegian Workshop on Advanced Materials for Solar Cell Applications (ICNFA – 2013)	Coimbatore Institute of Technology, Coimbatore, India in collaboration with Bergen University College of Applied Sciences, Norway	Pulse plated CuGaSe <sub>2</sub> thin films and their properties	July 10 <sup>th</sup> to 12 <sup>th</sup> - 2013.
9	National Conference on Recent Trends in Chemical Sciences- (RACS-2017)	Department of Chemistry, Sri Ramakrishna Institute of Technology, Coimbatore	Deposition of Copper Indium Gallium Selenide films by Pulse Electro deposition	October 28 <sup>th</sup> , 2017

10	National Seminar Environment, Health and Natural Science (NSEHNS-2018)	Department of Chemistry, Sri Ramakrishna Institute of Technology, Coimbatore	Pulse Electrodeposited Copper Indium Gallium Selenide Thin Films	February 24 <sup>th</sup> , 2018
11	National Conference on Liquid Crystals Nano Science (NCLCN-2018)	Department of Physics, Bannari Amman Institute of Technology, Sathyamangalam.	Lead Selenide (PbSe) thin films deposition and Characteristics	August 23 <sup>rd</sup> to 25 <sup>th</sup> - 2018
12	One Day National Seminar on Low Dimensional Semiconductor Systems (LDSSNS - 2018)	Department of Physics, Sri Ramakrishna Institute of Technology, Coimbatore	Lead Selenide (PbSe) thin films deposition and their structural properties	October 24 <sup>th</sup> - 2018
13	Properties of Lead Selenide (PbSe) Thin Films Deposition by CBD at Different Temperature	TNSCST Sponsored Two day International Conference on Application of Mathematics in Science and Technology	AAA College of Engineering and Technology, Sivakasi	July 25 <sup>th</sup> - 26 <sup>th</sup> 2019.
14	Characteristics of Lead Selenide (PbSe) thin films deposited by CBD	Vikram University, Ujjain and CSIR, New Delhi Sponsored Two Day National Conference on "Emerging Interfaces of Physical Sciences and Technology - EIPT" at School of studies in Physics, Ujjain.	Vikram University, Ujjain, Madhya Pradesh	August 29 <sup>th</sup> - 30 <sup>th</sup> 2019.
15	" Surface Morphology and Optical Properties of Lead Selenide (PbSe) thin films"	NCRTCM - National Conference on Recent Trends in Chemistry of Materials"	Bannari Amman Institute of Technology, Sathyamangalam, Erode	October 11 <sup>th</sup> - 12 <sup>th</sup> 2019.

16	Structural and surface morphology of chemical bath deposited lead selenide (PbSe) thin films"	The 1st International Conference of Science, Engineering and Technology ICSET 2020	Secretariat Faculty of Engineering Technology, Universiti Malaysia Perlis (UniMAP)	February 27 <sup>th</sup> 2020.
17	Characteristics of lead selenide (PbSe) thin films deposited by CBD"	AIP Conference Proceedings 2224,050003(2020); <a href="https://doi.org/10.1063/5.0001013">https://doi.org/10.1063/5.0001013</a> Published Online	AIP Conference	May 29 <sup>th</sup> 2020
18	Determination of specific wear rate of steel coated with tungsten carbide using Taguchi technique for textile applications	International Conference on Futuristic Research in Engineering Smart Materials FRESM'21	Department of Mechanical Engineering, CMR Institute of Technology, Bengaluru, India	April 23 <sup>rd</sup> – 24 <sup>th</sup> 2021
19	Experimental analysis on Hardness of textile steel components with tungsten carbide coatings	International Conference on Futuristic Research in Engineering Smart Materials FRESM'21	Department of Mechanical Engineering, CMR Institute of Technology, Bengaluru, India	April 23 <sup>rd</sup> – 24 <sup>th</sup> 2021

#### Books / Book Chapters

Lab Manual/ Books	Details	Sem./ Year	Department
Book - MATERIAL SCIENCE As per Latest Syllabus of Anna University - R 2017 Latest University Question Papers are Solved	Anna University, Chennai	R2017	For Mechanical Branch, ,Air walk Publications, Chennai.

#### Sponsored Research

Project Title	Funding Agency	Amount Rs.	Duration
Smart Traffic Signalling	SRIT Research Promotion Scheme	7500	One year

#### Consultancy

S. No.	Organization/ Agency	Nature of Work	Amount in Rs.	Year
-	-	-	-	-

#### Workshops / Seminars attended

S.No	Workshops /Seminar	Venue	Date
1	Microprocessor and their Applications	PSG College of Arts and Science, Coimbatore	Mar 29 <sup>th</sup> to 31 <sup>st</sup> - 1990
2	Workshop on Nonlinear Dynamics	Government Arts College, Coimbatore	Feb 09 <sup>th</sup> , 10 <sup>th</sup> - 2007
3	Physics with Homemade Equipment and Innovative Experiments (Phoenix)	Kongunadu Arts and Science, Coimbatore	Oct 09 <sup>th</sup> , 2007
4	Recent trends in High Data Rate Wireless Communication	Sri Ramakrishna Institute of Technology, Coimbatore	Aug 20 <sup>th</sup> ,21- 2009
5	Emerging Research Trends in Thin Film and Nanotechnology	Govt. College of Technology, Coimbatore.	Oct. 3 <sup>rd</sup> , 2009
6	One Day National Workshop on Nanomaterials and Device Modeling	PSG College of Technology, Coimbatore	March 4 <sup>th</sup> , 2011
7	Pre-Conference Workshop International Conference on Nano Science and Nanotechnology (ICNN 2011)	Coimbatore Institute of Technology(CIT), Coimbatore	July 5 <sup>th</sup> , 2011
8	Need Base Approach for Effective Teaching	Sri Ramakrishna Institute of Technology, Coimbatore	June 21 <sup>st</sup> , 2011
9	International Workshop on Nano Electronics	Sri Ramakrishna Institute of Technology, Coimbatore	December 30 <sup>th</sup> , 2011
10	One Day Workshop on Patents and Designs	Sri Ramakrishna Institute of Technology,Coimbatore	February 15 <sup>th</sup> , 2012
11	Two Weeks ISTE Workshop on Aakash for Education by IIT Bombay	Sri Ramakrishna Institute of Technology, Coimbatore	November,10, 11 - 2012

12	Two Weeks ISTE Workshop on Engineering Thermodynamics by IIT Bombay	Sri Ramakrishna Institute of Technology, Coimbatore	December, 11 <sup>th</sup> to 21 <sup>st</sup> - 2012
13	VISION NANO'17 , Fourth Annual Seminar on Nano materials Research	Sri Ramakrishna Engineering, Coimbatore.	February 17 <sup>th</sup> , 2017
14	Science Academies Lecture Workshop on "Shock waves in Science, Engineering & Medicine" by Department of Aeronautical Engg.	Kumaraguru College of Technology, Coimbatore	October 6 <sup>th</sup> ,7 <sup>th</sup> - 2017
15	One Day National Level Workshop on "Research Methodology and Writing Funding Proposals" by SRIT Business School and Department of Mathematics & Humanities	Sri Ramakrishna Institute of Technology, Coimbatore	December 22 <sup>nd</sup> -2017
16	National Workshop on "Purification and Analytical Techniques(NWPAT)"	Department of Chemistry, Sri Ramakrishna Institute of Technology, Coimbatore	February 19 <sup>th</sup> , 2018
17	Seminar on "Computational Chemistry"	Department of S&H, Sri Ramakrishna Institute of Technology, Coimbatore	February 21 <sup>st</sup> 2018
18	CSIR Sponsored National Seminar on "Research Issues in Nano Composite Polymers for Super Capacitor Fabrication"	Kongu Engineering College, Perundurai, Erode	July 12 <sup>th</sup> ,2018
19	One day Workshop on "Instrumental Methods for Material Characterization (IMMC 2019)	Department of Chemistry, Bannari Amman Institute of Technology, Sathyamangalam, Erode.July 14 <sup>th</sup> , 2019	July 14 <sup>th</sup> , 2019.
20	CSIR Sponsored National Level Seminar on "Recent Research on Nanoparticles used in the Fabrication of Super Capacitor Energy Storage System (RRNFSES- 19)"	Department of Physics, Sri Ramakrishna Institute of Technology, Coimbatore.	July 15 <sup>th</sup> - 16 <sup>th</sup> , 2019.
21	Workshop on "Design of Solar PV and Thermal Energy Systems"	Department of Mechanical Engineering, Kongu Engineering College, Perundurai, Erode.	July 19 <sup>th</sup> - 20 <sup>th</sup> , 2019.

22	Webinar on "Super capacitors: New Age Energy Storage Devices"	Ayya Nadar Janaki Ammal College, Sivakasi, Tamil Nadu.	May 19 <sup>th</sup> ,2020.
23	Webinar on "Introduction of Data Science , data Modelling and Analysis of Covid-19 Data "	Chameli Devi Group of Institutions ,Indore (MP).	May 23 <sup>rd</sup> ,2020.
24	Webinar on ” Bring out the Real "YOU" in YOU NOW or NEVER "	Department of Mechanical Engineering,, Sri Ramakrishna Institute of Technology, Coimbatore	May 26 <sup>th</sup> , 2020.
25	Virtual Webinar on "Energy Storage Utility Trading in Competitive Market"	Department of Electrical and Electronic Engineering, Nandha College of Technology, Erode-638052, Tamil Nadu.	May 27 <sup>th</sup> 2020.
26	Webinar on” ADVANCES IN MANUFACTURING TECHNOLOGY"	Department of Mechanical Engineering,, Sri Ramakrishna Institute of Technology, Coimbatore	June 6 <sup>th</sup> ,2020.
27	Webinar on "Performance Management"	SRIT Business School, Sri Ramakrishna Institute of Technology, Coimbatore .	June 10 <sup>th</sup> 2020.
28	Webinar on " Supply Chain Digitization Trends: A way Forward "	Department of Mechanical Engineering,, Sri Ramakrishna Institute of Technology, Coimbatore - 641010.	June 12 <sup>th</sup> 2020.
29	Virtual Webinar on " Wireless Sensor Networks "	Department of Electronics and Communication Engineering, Nandha College of Technology, Erode-638052, Tamil Nadu.	June 14 <sup>th</sup> 2020.
30	Webinar on "Materials Science in the topic of Development for Frequency conversion Application "	Department of Physics, Mookambigai College of Engineering, Srinivasa Nagar , Kalamavur, Pudukkottai.	June 24 <sup>th</sup> 2020.
31	Webinar on "Materials Science in the topic of Modern Engineering Materials"	Department of Physics, Mookambigai College of Engineering, Srinivasa Nagar , Kalamavur, Pudukkottai.	June 25 <sup>th</sup> 2020.
32	Two days Webinar "Insight on Proposal for funding agencies and Research writings"	Department of Chemistry, Kongu Engineering College, Perundurai, Erode.	June 30 <sup>th</sup> & July 01 <sup>st</sup> . 2020.

33	Webinar on "Integration and its Applications"	Department of Science and Humanities , Mathematics, Jai Shriram Engineering College, Avinashipalayam, Tirupur.	July 10 <sup>th</sup> , 2020.
34	Webinar on "Renewable Sources of Energy"	Mohamed Sathak A J College Of Engineering Chennai - 603 103.	July 11 <sup>th</sup> , 2020
35	Webinar entitled "Electrochemical Impedence Spectroscopy- A Tool to evaluate Proton Conductivity of Solid State Electrolytes"	Department of Physical Sciences, Sri Ramakrishna Institute of Technology, Coimbatore .	July 15 <sup>th</sup> , 2020.
36	Webinar on Electrochemical Sensor and its Applications"	Department of Physical Sciences, Sri Ramakrishna Institute of Technology, Coimbatore	July 18 <sup>th</sup> , 2020.
37	Webinar on "இலக்கியத்தில் பெண்கள்"	Women Empowerment cell and Gender champions club, Sri Ramakrishna Institute of Technology, Coimbatore .	July 18 <sup>th</sup> , 2020.
38	Three days National Webinar entitled as" An Overview of Electric, Magnetic and Optoelectronic Phenomena & Their Applications"	Department of Physical, Shri Vaishnav Institute of Science, Indore.	July 20 <sup>th</sup> and 22 <sup>rd</sup> , 2020.
39	Webinar on "வையத் தலைமை கொள்"	Women Empowerment cell and Gender champions club ,Sri Ramakrishna Institute of Technology, Coimbatore - 10	July 26 <sup>th</sup> , 2020.
40	Webinar on "Educational Neuroscience and Laser in Industry"	St. Joseph's College Of Engineering, Chennai- 119.	July 30 <sup>th</sup> and 31 <sup>st</sup> 2020.
41	Webinar on “Yoga and Natural Way of Living”	University College of Engineering ,BIT Campus, Anna University, Tiruchirappalli.	August 2 <sup>nd</sup> 2020.
42	Three days National Webinar on "Recent Advancement in Physics"	Shri Vaishnav Vidyapeeth Vishwavidyalaya,Indore.	August 6 <sup>th</sup> to 8 <sup>th</sup> , 2020.
43	Webinar on "Mind over Matter"	The Bhopal School of Social Sciences, Bhopal.	August 7 <sup>th</sup> 2020

44	National level social Awareness Programme on "Blood Donation Importance During Covid-19"	Anna University::Chennai University College Of Engineering BIT Campus, Tiruchirappalli	August 9 <sup>th</sup> 2020
45	Two days National Webinar on "Fundamentals of Plasma Physics and Ion Implantation Techniques	Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore, MP	August 13 <sup>th</sup> to 14 <sup>th</sup> , 2020
46	One Day National Webinar Theme: Leveraging Emerging Technologies Via Physics : A Leap Towards Self-Reliant India Topic: "Fundamentals Of Microprocessor"	Bherulal Patidar Govt.P.G. College, Mhow Naac Accredited "A" Grade (Affiliated to : Devi Ahilya Vishwavidhyalaya, Indore M.P)	August 24 <sup>th</sup> , 2020
47	Webinar on 'How Your Passion and Commitment can Lead to Self- realization'	The Bhopal School of Social Sciences , Bhopal.	August 25 <sup>th</sup> . 2020.
48	Webinar on Resume Building	SRM Institute of Science and Technology	October 05 <sup>th</sup> 2020.
49	Webinar on Mental Health in Youth	The Bhopal School of Social Sciences, Bhopal	October 10 <sup>th</sup> ,2020.
50	International Webinar on Materials Research	Sri Ramakrishna Engineering College, Cbe.	October 07 <sup>th</sup> , 2020 and October 08 <sup>th</sup> ,2020.
51	"Second National Level Two Day Virtual Workshop Cum Hands-On Training On Quantum Chemical Methods For Beginners (Qcm 2020)"	Department of Chemistry, Bannari Amman Institute of Technology, Sathyamangalam	October 09 <sup>th</sup> , 2020 and October 10 <sup>th</sup> ,2020.
52	Workshop entitled "ICT Tools for Class Room Teaching and Virtual Lab"	Sakthi College Of Arts And Science For Women Oddanchatram ,Dindigul (Dt).	October 16 <sup>th</sup> ,2020.
53	National Webinar on " Instrumental Methods of Analysis"	ACT, Department of Chemistry, Mahavidhyalaya , Nagpur, India	October 17 <sup>th</sup> ,2020 and October 18 <sup>th</sup> , 2020.
54	Webinar on "Energy and Environment"	SRM Institute of Science and Technology.	October 22 <sup>nd</sup> ,2020
55	Webinar on "Energy Transition"	SRM Institute of Science and Technology.	October 24 <sup>th</sup> , 2020.

56	One - Day online Workshop on "How to conduct the student Induction (SIP) Program"	Organized by All India Council for Technical Education (AICTE).	September, 20 <sup>th</sup> , 2021
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**Faculty Development Program attended (from recent)**

S.No	Programme On	Venue	Date
1.	One Week online FDP on the theme "Present & Future of Renewable Energy Sources : from Laboratory to Industry " held in collaboration with k Watt solutions Pvt. Ltd Mumbai	Collaboration with k Watt solutions Pvt. Ltd Mumbai	26 <sup>th</sup> September 2022 to 30 <sup>th</sup> September 2022.
2	One week FDP on the theme "Advancement in material science and nanomaterial " conducted by department of physics ,shri Vaishnav Vidyapeeth Vishwavidyalaya ,Indore	Shri Vaishnav Vidyapeeth Vishwavidyalaya	13 <sup>th</sup> November 2022 to 02 <sup>nd</sup> December 2022.
3	Two Week International Faculty Development Programme on "Advanced Computational and Experimental Research in Physics-2021"	Department of Physics, SRM Institute of Science and Technology, Ramapuram Campus, Chennai.	13 <sup>th</sup> September 2021 to 25 <sup>th</sup> September 2021.
4	5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education(AICTE) Nelson Mandela Marg, Vasant Kunj, New Delhi.	All India Council For Technical Education	2 <sup>nd</sup> August, 2021 to 6 <sup>th</sup> August, 2021.
5.	AICTE Sponsored – 2 Weeks Online FDP Program On "High Power Conversion Electronics For Green Energy Based Smart Grid"	Department of Electrical & Electronics Engineering, S.A. Engineering College(Autonomous), Tiruvallur Dt,	16 <sup>th</sup> November 2020 to 28 <sup>th</sup> November 2020.
6.	International FDP on "Frontiers in Chemistry"	St.Joseph's College of Engineering, St. Joseph Group of Institution, OMR, Chennai-119.	16 <sup>th</sup> September - 18 <sup>th</sup> September 2020.
6.	International FDP on "Smart Technology for Drug Design, Energy and Environment (IFSDE-20)"	Kumaraguru College of Technology, Coimbatore.	01 <sup>st</sup> September - 07 <sup>th</sup> September 2020.

7.	One Week Faculty Development Programme on "Recent Trends in Physical Sciences" University, UP,	Dr. A. P. J. Abdul Kalam Technical Indian Association of Physics Teachers, Regional Council - 4, UP	July 22 <sup>rd</sup> -28 <sup>th</sup> , 2020.
8.	Faculty Development Programme on "Nanomaterial Synthesis, Process, Characterization and its Functional Applications."	Hindustan College of Engineering and Technology, Coimbatore.	July 6 <sup>th</sup> – 11 <sup>th</sup> , 2020.
9.	Faculty Development Programme on "Being a Super Teacher"	Bannari Amman Institute Of Technology, Sathyamangalam.	July 6 <sup>th</sup> – 12 <sup>th</sup> , 2020.
10.	Faculty Development Programme on Material Science	PG & Research Department of Physics, Thanthai Hans Roever College ,Perambalur - 621220	May 27 <sup>th</sup> & 28 <sup>th</sup> , 2020.
11.	FDP on "A Primer on Quantum Computing"	Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore	May 4 <sup>th</sup> to 8 <sup>th</sup> , 2020.
12.	AICTE Sponsored Faculty Development Programme on "Fostering Ethics, Moral Values and Character Building in Technical Education"	Department of Management Studies, Nandha Engineering College, Erode	June 24 <sup>th</sup> - 07 <sup>th</sup> , 2019
13.	Faculty Development Training Programme on Ph8151 - Engineering Physics	University College of Engineering, Dindigul (Conducted by Centre for Faculty Development, Anna University, Chennai - 25)	June 20 <sup>th</sup> - 26 <sup>th</sup> , 2018
14.	Faculty Development Programme on Engineering Materials and its Application	Dr.N.G.P. Institute of Technology, Coimbatore	January 11 <sup>th</sup> , 2018
16.	Faculty Development Programme on "Signals and System"	Department of S&H and ECE Sri Ramakrishna Institute of Technology, Coimbatore	July 20 <sup>th</sup> - July 22 <sup>rd</sup> , 2017

17.	Inculcating Open Source Software Development and its use in Multi-disciplinary Engineering Domains	PSG College of Technology, Coimbatore	Jun 22 <sup>nd</sup> - Jul 6 <sup>th</sup> , 2007
18.	Non-Destructive Analysis Using Microwave	Einstein College Of Engineering, Tirunelveli	Dec 23 <sup>rd</sup> , 2008
19.	Faculty Development Programme	Sri Ramakrishna Institute of Technology, Coimbatore	June 10 <sup>th</sup> , 11 <sup>th</sup> , 2005

#### Events Organized (from recent)

##### Conference -

##### FDP -

##### Workshops/Seminars

S.No	Name	Details
1.	A workshop on " <b>Basic Concepts of Measurement and Properties of Materials</b> "	On <b>23.01.2018</b> in UG Seminar Hall at 9.15 am to 4.30 pm for the first year students. Number of student Participated 90
2.	A workshop on " <b>Basic Materials for Manufacturing Mechanical Tools and Building Construction</b> "	on <b>27.09.2018</b> in UG Seminar Hall at 9.15 am to 4.30 pm for all the first year Engineering students. Number of student Participated 150
3.	Organize one day National Seminar on " <b>Application of Renewable Energy</b> "	on <b>25.01.2019</b> in UG Seminar Hall from 9.30 am to 4.30 pm for all the students and staff. Number of student Participated Internal:140 External: 9 Staff: 10
4	Organize One Day National Seminar on " <b>Application of Renewable Energy</b> "	on <b>25.01.2019</b> in UG Seminar Hall from 9.30 am to 4.30 pm for all the students and staff. Number of student Participated Internal:140 External: 9 Staff: 10

5	Science and Humanities-Science Club Organized Essay writing competition on <b>"Development of Science in Engineering and Technology"</b> (500 words)	on <b>24.04.2019</b> in Lecture Hall-130 from 3.20 pm to 4.30 pm for all the First year B.E/B. Tech students Number of student Participated : 30
6	One Day National Seminar on <b>"Nano and Smart Material in Engineering and Technology - 2020 (NSNSMET -2020)"</b>	on <b>28.02.2020</b> in UG Seminar Hall(Seminar Hall I) from 9.30 am to 4.30 pm for all the students and staff. Number of student Participated 100
7	Webinar on <b>"Career Opportunities in post Covid – 19Era"</b>	on <b>20.06.2020</b> , online mode from 11.00 am to 12.00pm for all the students and staff. Number of student Participated 100
8	Online Webinar on <b>"Gas and Oil Processing"</b>	on <b>07.05.2021</b> , online mode from 11.20 am to 12.20 pm for all the students and staff. Number of student Participated 100
9	organizing an International Virtual Conference on <b>"Global Advance Trends in Applied Mathematics, Physical Sciences and Humanities (ICGAMPH - 2021)"</b>	on <b>21.10.2021</b> , Virtual mode for Faculty members / Research Scholars / Industry Consultants/ UG & PG Students of Engineering and Technology, Education and Arts & Science Colleges and Universities. Number of participation from various Institutions and Universities - 82
10	Webinar on <b>" Elimination of Single use Plastics "</b>	on <b>05.04.2021</b> online mode from 03.30 am to 04.30 pm for all the students and staff. Number of student Participated 75

#### Online Courses Completed

Sl. No.	Title	Platform

#### Awards and Recognitions Secured

S. No	Award	Venue	Title	Date
1	Won Best Paper in Physics Award in National Conference on Thrust Areas in Engineering (NCTAE-2012)	Global Academy of Technology, Bangalore	Characteristics Of Pulse Plated CuGaSe <sub>2</sub> films	20-21 January 2012
2	SRIT Alumni Association 'Dr S.Radhakrishna Award' for contribution and Excellence in Academics – 26.01.2015.			

3.	Certificate of appreciation for active participation and outstanding performance in FDTP on" PH8151- Engineering Physics", Anna University ,University college of Engineering - Dindigul, Department of Physics , held during 20 <sup>th</sup> to26 <sup>th</sup> June 2018.
4	Certificate of appreciation for their outstanding contribution to the All India Essay Writing Event 2018, Organized by Shri Ram Chandra Mission United Nations Information Centre and the Heartfulness Education Trust, Coimbatore Zone on 27.01.2019.

### **Self-appraisal**

#### **Major Strengths**

Giving priority in teaching the students in time.

Motivating the students to understand the logic and concept thoroughly

Inducing creative thoughts in learning.

#### **Major Weakness -**

  
Signature