



**A.V.V.M. SRIPUSHPAMCOLLEGE (AUTONOMOUS),  
POONDI – 613503, THANJAVUR – DT.**

**STAFF PROFILE as on: 01.01.2022**



1. Name of the Staff : **Dr.R. MANIKANDAN**  
2. Designation : ASSISTANT PROFESSOR OF CHEMISTRY  
3. Academic Qualification : M.Sc., MCA., M.Phil., Ph.D., SET.

Course	UG	PG	M.PHIL.	PH.D.
Year	1993(CHEMISTRY)	1995(CHEMISTRY) 2000(MCA)	2008(COMPUTER SCIENCE)	2002(CHEMISTRY), 2010 (Doing in CS) 2015 (SET in CS)
College & University	A.V.V.M. SRI PUSHPAM COLLEGE (AUTONOMOUS), POONDI – 613503, BHARATHIDASAN UNIVERSITY	A.V.V.M. SRI PUSHPAM COLLEGE (AUTONOMOUS), POONDI – 613503, BHARATHIDASAN UNIVERSITY,	PERIYAR UNIVERSITY, SALEM	A.V.V.M. SRI PUSHPAM COLLEGE (AUTONOMOUS), POONDI – 613503. BHARATHIDASAN UNIVERSITY, MOTHER THERASA UNIVERSITY, KODAIKANAL.

4. Date of Birth & Age : 05.05.1972, 49

5. Date of Appointment : Self – Finance : 

D	D	M	M	Y	Y	Y	Y
1	2	0	9	1	9	9	7

  
FIP : 

0	1	0	4	2	0	0	3
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Aided : 

2	7	1	1	2	0	1	3
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6. Total Service : 24

7. Teaching Experience in completed years : UG 

24
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 PG 

24
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 M.Phil 

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8. Residential Address : # 6, Bedha Perumal Colony  
VOC Nagar  
THANJAVUR – 613007.

Mobile Number : 9840693021

Aadhaar Number : 694191273673

E-Mail Address : [dr.rm.chemistry.avvmspc@gmail.com](mailto:dr.rm.chemistry.avvmspc@gmail.com)

9. No. of Orientation / Refresher Courses and Training Programmes attended : 03

10. Whether FDP availed, if yes, furnish details : Nil

11. No. of Seminars attended : 11

12. No. of Papers Presented : 09

13. No. of Papers Published : 32

14. No. of Books Published : Nil

15. No. of Guest Lectures delivered in other institutions : Nil

16. No. of Research Projects undertaken : Minor Nil Major Nil Others (Specify) Nil

17. No. of Seminars organised : Nil

18. No. of M.Phil. Scholars Guided : Completed 11 Ongoing 02

19. No. of Ph.D. Scholars Guided : Awarded 05 Ongoing 04

20. Participation in Academic Research Bodies in other institutions : Nil

21. Service rendered in academic / Extra Curricular/ Extension : Nil

22. Service rendered in Professional bodies outside the College : Nil

23. Honors / Awards received : Nil

*Signature of the Staff*

**Note:** Evidence should be produced at the time of verification of the Profile.

**ANNEXURE – I****DETAILS OF ORIENTATION, REFRESHER COURSES AND TRAINING PROGRAMMES ATTENDED:**

SL. NO.	COURSE	UNIVERSITY	PERIOD	TITLE
1.	Special Orientation Programme	AVVM Sri Pushpam College, Poondi	06/04/2015 To 18/04/2015 (12 Days)	Special Orientation Programme
2.	Orientation Programme	Madras University, Chennai	14/05/2015 To 10/06/2015 (28 Days)	Orientation Programme
3.	Refresher Course	Panjabi University, Patiala	25/09/2017 To 14/10/2017 (21 Days)	Refresher Course

**ANNEXURE – II****WHETHER FDP AVAILED, IF YES, FURNISH DETAILS**

Name of the institution	Period of Study	Date of submission	Awarded
Nil			

**ANNEXURE – III****SEMINARS/CONFERENCES, SYMPOSIA, WORKSHOPS, ETC ATTENDED**

S.No	Title of the Seminars/Conferences, Symposia, Workshops	Level (State / National / International)	Sponsoring Agency and Name of the Institution	Date
1.	Preparative workshop in Chemistry (PWC-18) for the NET/TNSET/GATE Aspirants – 2018.	State level	PG and Research Department of Chemistry, St. Joseph's College (Autonomous), Thiruchirappalli – 620002.	17-20 <sup>th</sup> Sep'2018
2.	The role of Indian medicinal plants and Indian systems of medicine on rural health	National conference	AVVM Sri Pushpam College, Poondi-613 503, Thanjavur (Dt), Tamil Nadu	8-10 <sup>th</sup> Feb'2007
3.	Computational Methods in Chemistry and Molecular Modeling	Two days training programme	Dept of chemistry and TEQIP (Community Service)	11.03.2006 to 12.03.2006
4.	Life through Chemistry	International Conference		25 <sup>th</sup> and 26 <sup>th</sup> Feb 2006
5.	Self-Employment Oriented Training Programme on Medicinal Plants, Vermicompost & Pancha Kavya	Participated and obtained Training	AVVM Sri Pushpam College, Poondi-613 503, Thanjavur (Dt), Tamil Nadu	5 <sup>th</sup> Feb 2006.
6.	Self-Employment Oriented Training Programme on Medicinal Plants, Vermi compost & Panchakavya	Participated and obtained Training	AVVM Sri Pushpam College, Poondi-613 503, Thanjavur (Dt), Tamil Nadu	26 <sup>th</sup> July 2005
7.	Seminar on Organic Farming and Medicinal Plant Cultivation	Participated and obtained Training	conducted by the department of Botany and Microbiology, AVVM Sri Pushpam College (Autonomous) Poondi, Thanjavur (Dt)	24-25 <sup>th</sup> Jan 2004

8.	Self-Employment Oriented Training Programme on Medicinal Plants	Participated and obtained Training	Conducted by the department of Botany and Microbiology, A.V.V.M. Sri Pushpam College (autonomous) Poondi, Thanjavur.	1-3 <sup>rd</sup> Aug 2003
9.	Research Trends in information technology	State level Seminar	Conducted by department of Computer Science, St. Joseph's College, Trichy, Tamil Nadu.	28 <sup>th</sup> Feb and 1 <sup>st</sup> Mar 2003
10.	Medicinal plants – Prospects and challenges	National level Workshop	Conducted by department of Pharmacognosy, Periyar College of Pharmaceutical sciences for girls, Trichy, Tamil Nadu.	21-22 <sup>nd</sup> Dec 2002
11.	Premna tomentosa wild. A potential medicinal plant resource to be conserved (In abstract of papers, on “Jeopardized Environment and its protection)	Seminar cum Workshop	Conducted by JJ College of arts and Science, Pudukottai, Tamilnadu	9-10 <sup>th</sup> Feb 2001

#### ANNEXURE – IV

#### PAPERS PRESENTED IN SEMINARS/CONFERENCES, SYMPOSIA, WORKSHOPS, ETC

Sl. No.	Title of the Paper	Level (State / National / International)	Sponsoring Agency and Name of the Institution	Date
1.	EMERGING TRENDS IN CHEMISTRY	State level Seminar	UGC Sponsored	9 <sup>th</sup> March 2006
2.	UGC sponsored National conference on medical plant chemistry	National conference	NGM College, Pollachi	23 <sup>rd</sup> and 24 <sup>th</sup> September 2005
3.	Recent in Biological Research	National Symposium	Organised by PG and Research departments of Botany and Microbiology, AVVM Sri Pushpam College, Poondi-503, Thanjavur (Dt), Tamil Nadu.	17-19 <sup>th</sup> Feb 2004
4.	Chemical Education and Research (ISCER-2004)	International Symposium Poster Presentation	Organised by Loyola College, Chennai-34.	4-7 <sup>th</sup> Jan' 2004
5.	Analgesic activities of some natural herbal drugs	National level seminar in “Medicinal plants and Healthcare “	Organised by PSGR Krishnammal college for women, Peelamedu, Coimbatore-4, Tamilnadu.	27-28 <sup>th</sup> Aug 2003
6.	Bio-active Polyphenols	National level seminar	conducted by department of Chemical Engineering, AnjalaiAmmal Mahalingam Engineering College, Kovilvenni, Tamil Nadu.	10-11 <sup>th</sup> Mar 2003
7.	Recent advances in Biotechnology	International Seminar	Conducted by PonnaiyahRamajayam College, Thanjavur. Tamil Nadu.	24-25 <sup>th</sup> Feb 2003
8.	Medicinal plants - Phytotherapy for joint diseases	National seminar	Organised by Sri Sankara Educational and Charitable Trust, Trichy, Tamil Nadu.	20-21 <sup>th</sup> Oct 2001
9.	“Computer Training Programme for Judicial Officers”	Acted as Resource Person	conducted in AVVM Sri Pushpam College, Poondi-613 503, Thanjavur (Dt), Tamil Nadu	22.05.2006 to 26.05.2006

## RESEARCH PAPERS PUBLISHED:

2015 - 2016					
S.No	Name	Title	Journal	National / International	Date of Publication
1	R.Manikandan	Gas Chromotography-Mass Spectrum Analysis of Bioactive Compound of the Petrolieum Ether Extract of Tabebuia rosea	IJAR ISSN:2249-555X v(5) 11, 253	National Journal	Nov 2015
2	R.Manikandan	Traditional Knowledge of medicinal Plants : A study in Poondi village, Thanjavur Dt, Tamilnadu	IJNCSE ISSN: 2395-7018 v2(5), 292	International Journal	Dec 2015
3	R.Manikandan	Antioxidant and Antimicrobial Activities of Tabebuia Rosea	IJNCSE ISSN: 2395-7018 v2(6) 24-30	International Journal	Dec 2015
4	R.Manikandan	Argemone Mexicana linn.A.review	IRRJST ISSN; 2455-5614 v (1)3,7-11	International Journal	March 2016
5	R.Manikandan	A review on <i>Tecoma Stans</i>	IJERME ISSN; 2455-4200 v (1), 43	International Journal	2016
6	R.Manikandan	Preliminary phytochemical screening of extract in tecoma stans	IJERME ISSN; 2455-4200 v (1), 50	International Journal	2016
2016 - 2017					
7	R.Manikandan	Effect of various extracts of the leaves of Borreria hispida (Linn) on antibacterial activity	IJCPS ISSN; 0976-9390 v7(2), 71	International journal	June 2016
8	R.Manikandan	Phytochemical screening and evaluation of antibacterial activity of andrographispaniculta	IRRJST ISSN; 2455-5614 v (1)7,1-4	International Journal	July 2016
9	R.Manikandan	Silver Nanoparticles prepared from Tecoma stance plant extracts through green synthesis method antimicrobial activity against clinically important pathogens	IRRJST ISSN; 2455-5614 v (1)7,5-9	International Journal	July 2016
10	R.Manikandan	Preliminary Phytochemical screening and antibacterial activity of argemone maxicana root extracts collected from Thanjavur	IRRJST ISSN; 2455-5614 v (2)7,1-4	International Journal	July 2016
11	R.Manikandan	Screening of phtochemicals from different solvent extracts Borreria hispida	IRRJST ISSN; 2455-5614 v (2)7,19-22	International Journal	July 2016
12	R.Manikandan	In vitro anti-cancer activity Tecoma stans against human breast cancer Yellow elder(Tecoma stans)	JPP ISSN:2349-8234 V(4)5 331-334.	Journal of Pharmacognosy and Phytochemistry	August 2016
13	R.Manikandan	Achyranthus aspera – medicinal plant: a review and biological activity	WJSR ISSN : 2455-2208 v1(3), 1-5	World Journal	August 2016
14	R.Manikandan	Screening of phytochemicals from different solvent extracts in Borreria hispida (Linn)	WJSR ISSN : 2455-2208 v1(3), 16-20	World Journal	August 2016
15	R.Manikandan	Antimicrobial, antioxidant and phytochemical screening of Achyranthes aspera linn	IRRJST ISSN; 2455-5614 v (2)8,6-10	International Journal	August 2016

16	R.Manikandan	Phytochemical analysis qualitative and quantitative analysis	IRRJST ISSN; 2455-5614 v (2)8,12-18	International Journal	August 2016
17	R.Manikandan	In vitro antimicrobial activity of aqueous and Ethanol extracts of Tecoma stans bark against pathogenic Bacteria	IRRJST ISSN; 2455-5614 v (2) 8, 26-28	International Journal	August 2016
18	R.Manikandan	Phytochemical screening and GC-MS analysis of ethanolic extract of Tecoma stans(family: Bignoniaceae) Yellow Bell Flowers	JPP ISSN:2349-8234 V (4)5 172-175.	Journal of Pharmacognosy and Phytochemistry	October 2016
<b>2018 - 2019</b>					
19	R.Manikandan	Phytochemical analysis and antimicrobial activity of Citrullus Colocynthis	IJSRR ISSN, 2279-543X v(7)2, 341-345	International Journal	2018
20	R.Manikandan	Isolation and identification of flavonoid from Borreria hispida (Linn)	IJSRR ISSN, 2279-0543 v7(3), 1-10	International Journal	July-Sep 2018
21	R.Manikandan	Invitro antioxidant and anti-inflammatory activity of Coccinia grandis L.	JETLR ISSN 2349-5152 v6(2)	International Journal	Feb 2019
22	R.Manikandan	Evaluation of antioxidant and anti-inflammatory activities of Citrullus colocynthis and Coccinia grandis unripe fruits extract.	PRJ ISSN No: 2249-2976	International Journal	2019
23	R.Manikandan	Comparative analysis of the in vitro antioxidant activity of Tabebuia rosea and Tabebuia argentea	JPP P-ISSN: 2349-8234 Pages 2673-2677	Journal of Pharmacognosy and Phytochemistry	2019
24	R.Manikandan	Phytochemical analysis and in vitro antibacterial activity of Tabebuia argentea	JPP P-ISSN: 2349-8234 Pages 1226-1229	Journal of Pharmacognosy and Phytochemistry	2019
25	R.Manikandan	Phytochemical screening and High-Performance Liquid Chromatography (HPLC) profile of different extracts of Euphorbia hirta (L.)	8(1): 45-50 E-ISSN: 2278-4136 P-ISSN: 2349-8234 JPP 2019; 8(1): 45-50	International Journal	2019
26	R.Manikandan	Antidiabetic and Antioxidant Properties of Argemone Mexicana Flower Extract Studied in Streptozotocin Induced Diabetic Rats	ISSN No: 1021-9056 Vol 8, iss 11 2019	Infokara Research	2019
27	R.Manikandan	Studies on phytoconstituents and antioxidant properties of Argemone mexicana flower extract	ISSN No: 1021-9056 Vol 8, iss 11 2019	Infokara Research	2019
28	R.Manikandan	Determination of bioactive compounds in <i>Ziziphus oenoplia</i> leaves extract using gas chromatography and mass spectroscopic technique	E-ISSN: 2278-4136	Journal of Pharmacognosy and Phytochemistry	2019
29	R.Manikandan	A study on phyto compounds in <i>ziziphus oenoplia</i> leaves using HPLC, UV-VIS and FTIR Techniques	ISSN No: 0886-9367	The International journal of analytical and experimental model analysis	2019
30	R.Manikandan	Reactive nitrogen and oxygen species scavenging activity Of <i>ziziphus oenoplia</i> leaves extract (zole) -- an <i>in vitro</i> study	ISSN No: 0022-1945	Journal of Interdisciplinary Cycle Research	2019
<b>2020 - 2021</b>					

31	R.Manikandan	Phytochemical analysis of <i>Tecoma Stans</i> preliminary screening of in-vitro antimicrobial activity and antioxidant potential	ISSN 2349-8870 Volume: 8 Issue: 9 XX-XX Year: 2021	European Journal of Biomedical AND Pharmaceutical sciences <a href="http://www.ejbps.com">http://www.ejbps.com</a>	2021
32	R.Manikandan	Synthesis and studies of (e) n[(2methoxy naphthalenyl) methylidene] 3 nitro aniline en 2 mnym 3na material for mechanized, electronic and bio utilities	(ICAMR 2.0)	2 <sup>nd</sup> International Conference On Advances in Materials Research - 2021 (ICAMR 2.0) Organised by Department of Mechanical Engineering	December 03 & 04, 2021

#### ANNEXURE – VI

##### BOOKS PUBLISHED:

Sl. No.	Name of the Book / Title of the Article/Book/Editor	Publisher	Place and Year of Publication
Nil			

#### ANNEXURE – VII

##### GUEST LECTURES DELIVERED:

Sl. No.	Title of the Guest Lecture	Place	Date
1.	Applications of MS-Excel	PG & Research Department of Chemistry, AVVM Sri Pushpam College (Autonomous), Poondi	14/12/2021
2.	Applications of MS-PowerPoint	PG & Research Department of Chemistry, AVVM Sri Pushpam College (Autonomous), Poondi	15/12/2021
3.	Applications of Google Apps	PG & Research Department of Chemistry, AVVM Sri Pushpam College (Autonomous), Poondi	17/12/2021
4.	Web Browsers	PG & Research Department of Zoology, AVVM Sri Pushpam College (Autonomous), Poondi	06/01/2022
5.	SWAYAM Online Courses	PG & Research Department of Zoology, AVVM Sri Pushpam College (Autonomous), Poondi	07/01/2022

**ANNEXURE – VIII**

**RESEARCH PROJECTS – ONGOING AND COMPLETED:**

SL. No.	Title of the project	Minor/ Major	Name of the Funding Agency	Period	Amount Sanctioned	UC Submitted If Yes, Date and Year
Nil						

**ANNEXURE – IX**

**SEMINARS, CONFERENCES, SYMPOSIA, WORKSHOPS ORGANIZED:**

Sl. No.	Title of the Seminar/Conference/Symposia Workshop	Name of the Sponsoring Agency	Amount Sanctioned	Period	UC submitted If Yes, Date and Year
Nil					

**ANNEXURE – X**

**Research Experience (M.Phil.) – Guided and Guiding**

Sl. No	Name of the Scholar	Title of the Dissertation	Year of Study	University
1	Sivakumaran K 13CHB705	A study on the extraction and applications of Eco-friendly Natural dye obtained from leaf of <i>jatropha curcas</i> on cotton fabric.	2013-2015 (Aug'2015) (PT)	Bharathidasan University
2	Balamurugan G 13CHB709	Dying behaviour and anti-fungal activity of Natural dye extracted from <i>Clitoriaternatea</i> flower on cotton fabric using different mordants	2013-2015 (Aug'2016) (PT)	Bharathidasan University
3	Vanitha R 13CHB751	Phytochemical screening and In Vitro Antioxidant activity of <i>Furcraeafoetida</i> Leaves	2013-2015 (Aug'2015) (PT)	Bharathidasan University
4	R.Pandi 14CHB705	Synthesis of Silver nanoparticles from <i>Tecama stance</i> extract and evaluation of antioxidant and antimicrobial activity	2014-2016 (Aug'2016) (PT)	Bharathidasan University
5	R.Valivittan 14CHB708	Antimicrobial InVtro Antioxidant and phytochemical screening of <i>Achyranthes aspera</i> Linn.	2014-2016 (Aug'2016) (PT)	Bharathidasan University
6	P.Abirami 15CHB751	Phytochemical screening and In Vitro Antioxidant and Anti-inflammatory activity of <i>Cassia alata</i> L.leaves.	2015-2017 (Aug'2017) (PT)	Bharathidasan University

7	R.Dakshinamoorthy 16CHB502	Isolation and extraction of flavonoid quercetin from the leaves of trigonellafoenum and their anti-microbial activity.	2016-2017 (Aug'2017) (FT)	Bharathidasan University
8	S.Sathiya 16CHB752	Synthesis, characterization and thermal stability of Thermoplastic Polyurethanes	2016-2018 (Aug'2018) (PT)	Bharathidasan University
9	R.Bharathadevi 17CHB752	Isolation, Characterisation and Biological studies of Bioactive compounds from <i>cassia fistula L.</i>	2017-2019 (PT)	Bharathidasan University
10	M.Ravichandran 18CHB710	A study on phytochemical screening antioxidant and anticancer activity of Aplotaxis auriculata Roots extracts.	2018-2020 (PT)	Bharathidasan University
11	Mr.Bhaskaran 19CHB711	Completed	2019-2021 (PT)	Bharathidasan University
12	N.Gajendran 20CHB701	Doing	2020-2022 (PT)	Bharathidasan University
13	Marimuthu 20CHB710	Doing	2020-2022 (PT)	Bharathidasan University

#### ANNEXURE – XI

#### Research Experience (Ph.D.) – Awarded, Submitted and Guiding

Sl. No.	Name of the Scholar	Title of the Thesis and status	Year of Study	University
<b>Completed / Awarded</b>				
1	Mrs.P.Sobiyana	Isolation, Characterization and Biological activities of Phytochemicals In Flowers Of <i>Tabebuia rosea</i> (Betnol) Betero ex. A.DC. and <i>Tabebuia aurea</i> (Silva manso) Benth. &Hook f. ex.s.moore. (Completed)	7189/Ph.D.K2/Chemistry / Full-Time/April 2014) Dt.20.03.2014.	Bharathidasan University
2	Mr. G.Anburaj	In vitro antioxidant and cytotoxic efficacy studies on chemically standardized <i>tecoma stans</i> (L) kunth. Bark and flower extracts. (Completed)	34792/ Ph.D.K2/Chemistry / Full Time/OCT 2014/ Dt.14.10.2014	Bharathidasan University
3	Mr. M.Amudha (15CHA604)	Isolation, characterization and Biological activities of phytochemical in the <i>Citrullus colocynthis</i> (Schrad.) and <i>Coccinia grandis</i> (W. and A).(Completed)	17340 / Ph.D.K2/Chemistry /Full Time/ July 2015/ Dt.17.06.2015	Bharathidasan University
4	Mrs. R.Shyamala (15CHA605)	Phytochemical Characterization Of <i>Ziziphus Oenoplia</i> Leaves Extract and Evaluation of	14136 / Ph.D. K2/Chemistry /Part Time/ July 2015/	Bharathidasan University



		Biological Activities (Completed)	Dt.17.06.2015	
5	Mr. V.Rajasudha. (15CHA609)	Isolation, Characterization, Copper Nano Particles Synthesis and Biological Studies of Bioactive Compounds From <i>Borraia Hispidal(Linn)</i> and <i>Euphorbia Hirta (L.)</i> (Completed)	17540 / Ph.D.K2/Chemistr y/ Full Time/ Oct 2015/ Dt.15.07.2015	Bharathidasan University

Sl. No.	Name of the Scholar	Title of the Thesis and status	Year of Study	University
<b>Doing / Submitted / Guiding</b>				
1	Mr. M.Marimuthu	Phytochemistry (Doing)	17424/ Ph.D.K2/Chemistry. / Full Time/JULY 2014/ Dt. 03.07.2014	Bharathidasan University
2	Mr. M.Aravindan,	Corrosion (Doing)	17427/ Ph.D.K2/Chemistry /Part Time/JULY 2014/ Dt.19.06.2014	Bharathidasan University
3	Mrs.K.Devika (21CHA602)	Isolation of chemical constituents and its biological studies from Indian medicinal plants. (Doing)	939 / Ph.D. K2 /Chemistry/ Part Time /Dec 2019/ Dt. 06.12.2019	Bharathidasan University
4	Mrs.K.Suganya (21CHA603)	To Grow good quality of single crystals of organic / Semi organic nature for electronic, mechano and bio utilities. (Doing)	Ph.D. K2 / DR02/210325073211 Dt. 25.03.2021	Bharathidasan University
5	Mr. S.Selvam	Co-Guide	18462 / Ph.D. K2 /Chemistry/ Part Time /July 2013/ Dt. 18.02.2021	Bharathidasan University

#### ANNEXURE – XII

#### PARTICIPATION IN ACADEMIC RESEARCH BODIES IN OTHER INSTITUTIONS: (Mention the period in the relevant column)

Name of the Institution	Academic Council	BOS	Research committee	Academic Audit committee	Member in University committee	Any other (specify)
Nil						

**ANNEXURE – XIII****SERVICE IN ACADEMIC / EXTRA CURRICULAR/ EXTENSION ACTIVITIES.**

<b>S.No</b>	<b>Name of the Activity</b>	<b>Period</b>
1	IQAC Member	2019-2022
2	Support for Online Examination	2019-2022
3	Member in Technology Upgradation Committee	2019-2022
4	Member in OBC Cell	2021-2022

**ANNEXURE – XIV****MEMBERSHIP IN PROFESSIONAL BODIES**

<b>S.No.</b>	<b>Name of the Professional Body</b>	<b>National/International</b>	<b>Period</b>
<b>Nil</b>			

**ANNEXURE – XV****HONORS AND AWARDS RECEIVED**