

ANNA UNIVERSITY

Chennai 600 025

FORMAT FOR ANNUAL REPORT FOR THE YEAR 2019-2020 – JULY TO JUNE**Period from 01.07.2019 to 30.06.2020 (July to June)****(Use separate sheet for each item and don't leave blank columns)****Name of the Department / Centre / Institute :**1) Detailed list of Professors, Associate Professors, Assistant Professors and their **Ph.D. specialization** during the period **01.07.2019 to 30.06.2020**

Sl. No.	Name of the Faculty	Designation	E-Mail Address	Field of Specialization
1	Dr. B.Kothandaraman	Professor	bkraman@mitindia.edu	Rubber Modified Thermosets
2	Dr. V.Subrahmanian	Professor	vsubbu@mitindia.edu	Elastomer Engineering, Carbon black, Rubber-Textile composites
3	Dr. N.Natchimuthu	Professor	nmuthu@mitindia.edu natchimuthu@annauniv.edu	Rubber Technology, Polymer blends, Polymer Recycling and sustainable materials
4	Dr. K.Ravichandran	Professor	ravi@mitindia.edu	Polymer Blends and Composites, Polymer Processing, Conductive Elastomers, Organic-Inorganic Hybrid nano composites, Biocomposites and bio polymers
5	Dr. L.S.Jayakumari	Associate Professor	jaya@mitindia.edu jayakumari@annauniv.edu	Polymer Synthesis, Polymer Nano Composites and sustainable polymers
6	Dr. K.Elangovan	Assistant Professor (Sl.Grade)	elangok@mitindia.edu	Rapid tooling, Polymer Matrix Composites

2) List of Degrees awarded during the period **01.07.2019 to 30.06.2020****a. M.Phil. with Name of the Programme**

Sl. No.	Title of the Thesis	Name of the Scholar	Name of the Supervisor	Month & Year of Viva-voce conducted
'Not Applicable'				

b. M.E. / M.Tech. / M.Arch. / M.Plan. / MBA / MCA with Name of the Programme

Sl. No.	Title of the Thesis	Name of the Scholar	Name of the Supervisor	Month & Year of Viva-voce conducted
1	Studies on The Adhesion Strength of Microwave Functionalised Aramid Fabric With Nr Compound	AHAMED RIZWAAN K S (2018615002)	Dr. V. Subrahmanian	26.09.2020
2	Studies on the effect of modified nanoclay on the mechanical properties of natural rubber	ANJANA PREETHI R (2018615003)	Dr. B.Kothandaraman	26.09.2020
3	Failure analysis in Rubber bonded grinding wheels	GANAPATHI C (2018615004)	Dr. N.Natchimuthu	26.09.2020
4	Effect of poly dimethylsiloxane on the mechanical properties of silica filled nr truck tyre tread compound	RAMYA DEVI K (2018615005)	Dr. B.Kothandaraman	26.09.2020
5	Electric vehicle tyre	VIGNESH KUMAR M (2018615006)		26.09.2020
6	Dispersion of silica in SBR	YUMKHALIBAM VIMOCHANDRA SINGH (2018615007)		26.09.2020

c. M.Sc. (2 years) with Name of the Programme

Sl. No.	Title of the Thesis	Name of the Scholar	Name of the Supervisor	Month & Year of Viva-voce conducted
'Not Applicable'				

d. M.Sc. (5 years) with Name of the Programme

Sl. No.	Title of the Thesis	Name of the Scholar	Name of the Supervisor	Month & Year of Viva-voce conducted
'Not Applicable'				

3) Sponsored Research Projects sanctioned during the period 01.07.2019 to 30.06.2020

Sl. No.	Name of the Project	Name of the Co-ordinator	Amount (Rs. in lakh)	Sponsoring Agency
1	DST-FIST PHASE-II (2 nd Instalment)	HOD, RPT	81.60	DST-FIST

4) Industrial Consultancy and Testing work undertaken during the period **01.07.2019 to 30.06.2020**

a. Consultancy

Sl. No.	Title of the Consultancy	Name of the Co-ordinator	Amount (Rs. in lakh)	Sponsoring Agency
-Nil-				

b. Testing work

Sl. No.	Title of the Testing work	Name of the Co-ordinator	Amount (Rs. in lakh)	Sponsoring Agency
-Nil-				

5) **Continuing Education Programmes :**

5.1 Training Programmes / Short term courses and Workshop **conducted** during the period **01.07.2019 to 30.06.2020**

a. Training programmes

Sl. No.	Title of the Training Programme	Date	No. of Participants	Name of the Co-ordinator	Sponsoring Agency
-Nil-					

b. Short term courses

Sl. No.	Title of the Short term course	Date	No. of Participants	Name of the Co-ordinator	Sponsoring Agency
-Nil-					

c. Workshop

Sl. No.	Title of the Workshop	Date	No. of Participants	Name of the Co-ordinator	Sponsoring Agency
-Nil-					

5.2 Training Programmes, **Short term courses and Workshop attended** by the Faculty members in other Institutions during the period **01.07.2019 to 30.06.2020**

Sl. No.	Name of the Faculty Member and Designation	Date	Title of the programme attended	Venue
1	Dr. L.S. Jayakumari Associate Professor	01/01/2020 to 31/03/2020	Processing of polymers and Polymer composites	NPTEL Course
		01/01/2020 to 31/03/2020	Plastic Waste Management	NPTEL Course
2	Mr. H.Sheik Mohammed Teaching Fellow	22/04/2020 to 24/04/2020	Design of Experiments: An Engineering Perspective	MIT, Chennai

5.3 Conferences / Seminars / Symposium **conducted** by the Department / Centre / Institute during the period **01.07.2019 to 30.06.2020**

a. Conferences

Sl. No.	Names of the Conference conducted	Date	No. of participants	Venue	Sponsoring Agency
-NIL-					

b. Seminars

Sl. No.	Names of the Seminar conducted	Date	No. of participants	Venue	Sponsoring Agency
-NIL-					

c. Symposium

Sl. No.	Names of the Symposium conducted	Date	No. of participants	Venue	Sponsoring Agency
-NIL-					

6) Faculty Development

6.1 Conferences / Seminars / Symposium attended by the Faculty Members of Anna University at **National Level (within India)** during the period **01.07.2019 to 30.06.2020**

Sl. No.	Faculty Name and Designation	Names of the Conferences/Seminars / Symposium attended	Date	Address of Organized Institute
1	Dr. L.S. Jayakumari Associate Professor	Manufacturing of Composites	01/08/2019 to 31/10/2019	NPTEL-AICTE, IIT Madras
		Managing Online Classes and Co-creating Moocs	20/04/2020 to 06/05/2020	Ramanujan College, University of Delhi
		Open Source Tools for Research	08/06/2020 to 14/06/2020	Ramanujan College, University of Delhi
2	Mr. Sheik Mohammed Teaching Fellow	Engineering and Management Teaching Pedagogy	11/05/2020 to 16/05/2020	Sri Sai Ram Institute of Technology, Chennai.
3	Ms. J. Jebarani Teaching Fellow	Effective Research Writing using LaTeX	22/06/2020 to 27/06/2020	IIT, Bombay

6.2. Conferences / Seminars / Symposium attended by the Faculty Members of Anna University at **International Level (within India)** during the period **01.07.2019 to 30.06.2020**

Sl. No.	Faculty Name and Designation	Names of Conferences / Seminars / Symposium attended	Date	Address of Organized Institute
-Nil-				

6.3 Conferences / Seminars / Symposium attended by the Faculty Members at **International Level (outside India)** at other countries during the period **01.07.2019 to 30.06.2020**

Sl. No.	Faculty Name and Designation	Name of the Programme attended	Name of the Country visited	Name of Travel grant used	Date
1	Dr. B. Kothandaraman Professor	International Rubber Conference (IRC-2019)	United Kingdom (UK)	University Fund	03/09/2019 to 05/09/2019

6.4. Lectures delivered by the Anna University Faculty members at other Institute during the period **01.07.2019 to 30.06.2020**

Sl. No.	Faculty Name	Designation	Name of the programme	Address of Organized Institute	Date
-Nil-					

6.5 Honours / Awards received from State / National / International bodies by the AU Faculty Members during the period **01.07.2019 to 30.06.2020**

Sl. No.	Name of the Faculty Member	Designation	Name of the Honour / Award	Name of the Institute / Organization issued the Honours / Awards
-Nil-				

7) Details of Visitors to the Departments/Centres/Institute other than Anna University Faculty during the period **01.07.2019 to 30.06.2020**

Sl. No.	Name of the visitor	Designation	Address of office / organization	Purpose of Visit	Date of visit
1	Dr. S.N.Chakravarthi	Managing Director	IPS consultants & Impex Pvt Ltd.	Technical talk on Innovation in polymer field	08.01.2020
2	Dr. P.K.Mohammed	Chief Advisor R&D	R&D Apollo Tyres, Asia	"3C – Campus Corporate" An interaction programme with Apollo tyres R&D Asia & MIT college	03.10.2019
3	Mr. Rohith Rama Varma	SF Material Industrialization	Michellin Tires, R&D India	Michellin Innovation Challenge 2020	23.01.2020
4	Dr. Mandip Kaur	Patent Agent	Intellectual Property India, Chennai	Technical talk on IPR	08.01.2020

8) New Equipment / Instruments purchased costing above **Rs.5.00 lakh** during the period **01.07.2019 to 30.06.2020**

Sl. No.	Name of the New Equipment / Instrument purchased	Nature of work / Function of the Equipment / Instrument	Purchase cost (above Rs. 5.00 Lakh)
1	Fully automatic Injection moulding Machine	Plasticating the plastic material to develop the tensile specimen	8.61 Lakhs
2	Lab Two Roll mill with cooling system	Rubber Compounding	8.25 Lakhs

9) a. Research Papers Presented in **National** Conferences / Seminars / Symposium / Workshop during the period **01.07.2019 to 30.06.2020**

Sl. No.	Faculty Name and Designation	Title of the Research paper presented	Name of the Conference and Venue	Date
-Nil-				

b. Research Papers Presented in **International** Conferences / Seminars / Symposium / Workshop during the period **01.07.2019 to 30.06.2020**

Sl. No.	Faculty Name and Designation	Title of the Research paper presented	Name of the Conference and Venue	Date
1	Dr. B. Kothandaraman Professor	Effect of functionalised silicone and polyisobutylene on processing properties and vulcanisate properties of silica filled SBR compounds	International Rubber Conference (IRC-2019) UK	03/09/2019 to 05/09/2019

10) Journals published during the period **01.07.2019 to 30.06.2020**

a. Research papers published In **National Journals**

Sl. No.	Name of the Title	Author's Name	Name of the Publisher	Month & Year
-Nil-				

b. Research papers published In **International Journals**

Sl. No.	Name of the Title	Author's Name	Name of the Publisher	Month & Year
1	Effect of a hydroxyl terminated poly dimethyl siloxane, in combination with TESPT, on the mechanical and dynamic properties of silica filled rubber in addition to reducing ethanol emission in combination with TESPT	Dr. B. Kothandaraman & P.Indumathy	Plastics,Rubber and composites	January 27, 2020
2	Effect of a Polydimethylsiloxane and Polyisobutylene Succinic anhydride on the mechanical and dynamic Properties of Silica filled SBR Compounds	Dr. B. Kothandaraman & P. Indumathy	Kautschuk and Gummi Kunststoffe	February 13, 2020
3	Meticulous Taxifolin Releasing Performance by the Zinc Oxide Nanoparticles: As a Short Road to Drug delivery System for Cancer Therapeutics	Dr. L.S.Jayakumari & G.Sundraraman	Journal of Cluster Science	July 22, 2019
4	Influence of iron–aluminium alloy on the tribological performance of non-asbestos brake friction materials – a solution for copper replacement	Dr. L.S.Jayakumari & G.Sundraraman	Industrial Lubrication and Tribology	August 12, 2019
5	Evaluation of commercial arrowroot starch/CMC film for buccal drug delivery of glipizide	Dr. L.S.Jayakumari & D. Gayathri	Polímeros	Apr 27, 2020

11) Books written by the Faculty members during the period **01.07.2019 to 30.06.2020**

Sl. No.	Name of the Books written	Name of the Faculty	Name of the Publisher	Month & Year
-Nil-				

12) Patents obtained during the period **01.07.2019 to 30.06.2020**

Sl. No.	Title of the Patent	Inventors	Patent Number	Patent organization	Month & Year
-Nil-					

13) List of achievements during the period **01.07.2019 to 30.06.2020**

S. No	Student(s) Name	Roll No.	Title	Description	Status
1	S. Pradeepa S. Ram Pprasanth S. Sakthi Akshaya J.S. Sooraj	2018508035 2018508037 2018508041	Michelin Mobility Innovation Challenge 2020	Michelin Tyres Students Mobility Innovation Challenge 2020	Won First Prize
2	A.R. Loganathan S.I. Muhilvannan	2016508028 2016508033	P-Pack National level Technical Quiz(Plastics in Packaging)	Conducted by Department of Printing and Packaging Technology in SIES Graduate School of Technology, New (Navi) Mumbai	Won Second Prize
3	A. Alexsander Z. Shariqha Fathima S. Vimal Kumar R. Vishnukanth	2016508001 2016508049 2016508056 2016508057	Michelin Mobility Innovation Challenge 2020	Michelin Tyres Students Mobility Innovation Challenge 2019	Won First Prize

HOD, RPT