

FORMAT FOR ANNUAL REPORT FOR THE YEAR 2017-2018 – JULY TO JUNE

Period from 01.07.2017 to 30.06.2018 (July to June)

(Use separate sheet for each item and don't leave blank columns)

Name of the Department: **DEPARTMENT OF RUBBER & PLASTICS
TECHNOLOGY**

- 1) Detailed list of Professors, Associate Professors, Assistant Professors and their **Ph.D. specialization** during the period **01.07.2017 to 30.06.2018**

Sl. No.	Name of the Professor/ Associate Professor/ Asst. Professor	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
4.	Dr.K.Ravichandran Professor	ravi@mitindia.edu	Polymer Blends and Composites ,Polymer Processing, Conductive Elastomers, Organic-Inorganic Hybrid nano composites, Reinforcement of bioplastics, Latex processing
5	Dr.L.S.Jayakumari Associate Professor	jaya@mitindia.edu jayakumari@annauniv.edu	Polymer Synthesis, Polymer Composites & Nano Composites
6.	Dr.K.Elangovan	elangok@mitindia.edu	Rapid tooling, Polymer Matrix Composites

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2) List of Degrees awarded during the period **01.07.2017 to 30.06.2018**

a. M.Phil.

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

Sl. No.	Title of the Thesis	Name of the Scholar	Name of the Supervisor	Month & Year of Viva-voce conducted
1	Microwave Assisted Solid State Fictionalization of Rubber SBR (Solution Type)	S M Karthick	Dr. V.Subrahmanian	16.05.2018

c. M.Sc. (2 years) 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) programme

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

**Name of the Department: DEPARTMENT OF RUBBER & PLASTICS
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3) Sponsored Research Projects sanctioned during the period **01.07.2017 to 30.06.2018**

Sl. No.	Name of the Project	Name of the Co-ordinator	Amount (Rs. in lakh)	Sponsoring Agency
Not Applicable				

4) Industrial Consultancy and Testing undertaken during the period **01.07.2017 to 30.06.2018**

Sl. No.	Title of the Consultancy	Name of the Co-ordinator	Amount (Rs. in lakh)	Sponsoring Agency
Not Applicable				

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5) **Continuing Education Programmes :**

5.1 Training Programmes / Short-term courses and Workshop **conducted** during the period **01.07.2017 to 30.06.2018**

Sl. No.	Title of the Programme	Date	No. of Participants	Name of the Co-ordinator	Sponsoring Agency
1.	Training for Practising technologists for Diploma of Indian Rubber Institute Exams	20.12.2017 to 23.12.2017 30.03.2018 to 31.03.2018	14	Dr.B.Kothandaraman	Indian Rubber Institute
1.	7 days Faculty Development Training Programme on the Biopolymers & Biocomposites	4 th June – 10 th June, 2018	25	Dr. K. Ravichandran Dr. L.S. Jayakumari	Anna University

5.2 Training Programmes, Short-term courses and Workshop **attended** by the Faculty members in other Institutions during the period **01.07.2017 to 30.06.2018**

Sl. No.	Name of the Faculty Member and Designation	Date	Title of the programme attended	Venue
1.	Dr. V. Subrahmanian Professor	4 th June to 8 th June, 2018	Short-term course on Self-Awareness and Higher Goals in Education	Teaching Learning Centre, IIT Madras

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5.3 Conferences / Seminars / Symposium **conducted** by the Department / Centre / Institute during the period **01.07.2017 to 30.06.2018**

Sl. No.	Names of the Conferences / Seminars / Symposium / conducted	Date	No. of participants	Venue	Sponsoring Agency
Not Applicable					

6) **Faculty Development :**

6.1 Conferences / Seminars / Symposium attended by the Faculty Members of Anna University at **National Level** during the period **01.07.2017 to 30.06.2018**

Sl. No.	Faculty Name and Designation	Names of Conferences / Seminars / Symposium / attended	Date	Address of Organised Institute
1.	Dr. L.S. Jayakumari Associate Professor	Two weeks Faculty Development Programme (FDP) to enable AICTE Induction Programme for students	18 th June to 29 th June 2018	Anna University

6.2. Conferences / Seminars / Symposium / Workshop attended by the Faculty Members of Anna University at **International Level** during the period **01.07.2017 to 30.06.2018**

Sl. No.	Faculty Name and Designation	Name of the Programme attended	Name of the Country visited	Name of Travel grant used	Date
Not Applicable					

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6.3. Lectures delivered by the Anna University Faculty members at other Institute during the period **01.07.2017 to 30.06.2018**

Sl. No.	Faculty Name	Designation	Name of the programme	Address of Organized Institute	Date
1.	Dr.K.Elangovan	Assistant Professor	"MC SPARKA 2K17	Alpha College of Engineering, Thirumazhisai	08.09.2017
2.	Dr.L.S.Jayakumari	Associate Professor	Bio De-Gradable, Green and Nano Composites For Industrial Applications: Manufacturing Methodologies and Properties	Sai Ram Institute of Technology	20th Oct - 02 Nov.2017
3.	Dr.K.Elangovan	Assistant Professor	Characterization and Testing Techniques for Composites	Rajalakshmi Institute of Technology, Chennai	22.02.2018
			Manufacturing Techniques for Metal Matrix Composites		
			Composites for 3D Printing - Prospective and Challenges		
4.	Dr.K.Elangovan	Assistant Professor	Mold & Die Design	Kamaraj College of Engineering and Technology	17.04.2018

6.4 Honours / Awards received from State / National / International bodies by the AU Faculty Members during the period **01.07.2017 to 30.06.2018**

Sl. No.	Name of the Faculty Member	Designation	Name of the Honours / Awards	Name of the Institute / Organization issued the Honours / Awards
Not Applicable				

Name of the Department: **DEPARTMENT OF RUBBER & PLASTICS
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7) Details of Visitors to the Departments/Centres/Institute other than Anna University Faculty during the period **01.07.2017 to 30.06.2018**

Sl. No.	Name of the visitor	Designation	Address of office / organization	Purpose of Visit	Date of visit
Not Applicable					

8) New Equipment / Instruments purchased costing more than **Rs.1.00 lakh** during the period **01.07.2017 to 30.06.2018**

Sl. No.	Name of the New Equipment / Instrument purchased	Uses of Equipment / Instrument	Purchase cost (more than One Lakh)
1.	Hydraulic Press	Moulding of Rubber Specimens	Rs.2,64,600/-

9) Research Papers Presented in **National** Conferences / Seminars / Symposium / Workshop during the period **01.07.2017 to 30.06.2018**

Sl. No.	Faculty Name and Designation	Title of the Paper presented	Name of the Conference and Venue	Date
Not Applicable				

10) Research Papers Presented in **International** Conferences / Seminars / Symposium / Workshop during the period **01.07.2017 to 30.06.2018**

Sl. No.	Faculty Name and Designation	Title of the Paper presented	Name of the Conference and Venue	Date
Not Applicable				

Name of the Department: DEPARTMENT OF RUBBER & PLASTICS TECHNOLOGY

11) Books / Journals Published during the period **01.07.2017 to 30.06.2018**

a. Books published

Sl. No.	Name of the Book / Title	Author's Name	Name of the Publisher	Month & Year
Not Applicable				

b. Journals published

Sl. No.	Name of the Title	Author's Name	Name of the Publisher	Month & Year
1.	Finite Element Analysis of PN Reinforced Woven Fabric Composite	G.Suresh L.S.Jayakumari KS Dhinesh	SciELO Analytics	Matéria (Rio J.) vol.22 no.4 Rio de Janeiro Oct 02, 2017
2.	Hydrogels of sodium alginate based copolymers grafted with sodium-2-acrylamido-2-methyl-1-propane sulfonate and methacrylic acid for controlled drug delivery applications	I. Clara & N. Natchimuthu	Taylor & Francis - Journal of Macromolecular Science Part A	Pages 168-175 Vol.No. 55 February 2018
3	Complete replacement of carbon black filler in rubber sole with CaO embedded activated carbon derived from tannery solid waste	P.Yuvaraj JR Rao NN Fathima N.Natchimuthu R.Mohan	Journal of Cleaner Production	Volume 170, pages 446-450 1st Jan 2018

c. Patents obtained

Sl. No.	Title of the Patent	Inventors	Patent Number	Patent organization	Month & Year
Not Applicable					

12. List of achievements during the period **01.07.2017 to 30.06.2018** : **NIL**

