MRCC Research Policy w.e.f September 2022

1. PURPOSE

The purpose of research policy is to inculcate the best practices of research amongst its faculty, students and scholars.

2. OBJECTIVES

- To maintain the research culture in all departments in the specialized domains and contributing in the development of center of excellence and follows all the updated instructions from APJ Abdul Kalam Technological University.
- To ensure effective and efficient support to facilitate faculty and researchers in carrying out their research activities. The constitution of separate Women in Research and Engineering empowers women under Women forum.
- Promotion of Publications in SCI, WOS, Scopus based journals among all cadre of faculty.
- Encouraging interdisciplinary and multi-disciplinary collaborations nationally and globally.
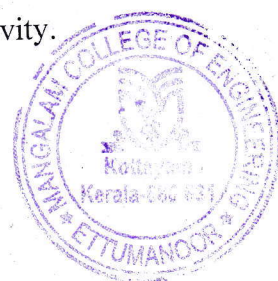
3. CUSTODIAN OF POLICY

All research related activities and policy in Mangalam are governed through the MRCC Mangalam Research and Consultancy Centre. Office of MRCC works under the direct instructions of Principal.

4. INITIATIVES FOR PROMOTION OF RESEARCH

In order to meet and fulfil research objectives, Mangalam has following initiatives, and that are being implemented.

For Faculty

- **Research Emphasis on Recruitment of Faculty:** Mangalam has well defined faculty recruitments of faculty at levels; wherein teaching experience, emphasis is also there in terms of paper published, research students' guidance, and sponsored research projects.
- **Initial Research Grant to New Faculty:** New faculty with Ph.D. are allowed to apply for Government grants and seed money to start their research activity.

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- **Financial Supports for Attending Conferences:** Financial support to all faculties is provided to attend National/International conferences from Institute funds on case by case approved by Principal.
- **Performance Award Schemes (PAS):** Mangalam College of Engineering has a unique scheme under which faculty members are awarded certificate based on the following research activities
    1. Award of Sponsored Research Project from Funding Agencies
    2. Publications of Papers in SCI/SCIE/WOS/Scopus Journals
    3. Guidance of Doctoral and Master's Thesis

- **Professional Development Allowance (PDA):** Faculty members are given Professional Development Allowance for attending conference, delivering lectures and other academic activity based on the recommendation of the Principal.

- **Patents Filing Support:** Faculty is encouraged to file patent and some selected patent expenses are borne through KAPILA Funding.

- **Matching Grants:** Matching grants are provided for purchase of equipments sanctioned under the project based on the recommendation of the principal.

- **Travel Support:** TA/DA for project presentation is given to faculty if not given by funding agencies and is based on the recommendation of the principal.

- **Loan Facility:** To have un-interrupted progress of project, loan against sanction is given to every project (in case money is not released by funding agency). It is based on the recommendation of the principal.

- **Consultancy:** Faculty is paid grant received under consultancy projects as per consultancy policy.

For Research Students

- **Teaching Associate-ships:** Mangalam College of Engineering will provide fellowship to all NET/GATE qualified candidates for 3 years extendable to 5 years based on the recommendation of the committee constituted by Principal.

- **Contingency Grants:** Each student is given contingency grant annually (depending upon nature of work) for attending conferences/characterization and other research related work. It is recommended by the Principal.

- **Financial Supports for Attending Conferences:** Financial support to the tune of Rs.
    - Support is provided to every candidate for attending International Conference/Workshop etc. based on the recommendation of the Principal.

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- **Patent Filing Support:** Mangalam College of Engineering sponsors all expenses for filing patent to PhD candidates based on the recommendation of the principal.

Research Matrix for the evaluation of the Performance.

Research and Consultancy (Maximum Marks: 100)

S.No.	Items	Assessment Matrix
1.	New Research Projects Received **(Max. Score: 20)**	(a) Major projects amount mobilized with grants above 30 lakhs: 15 marks / project (b) Major projects amount mobilized with grants above 5 lakhs upto 30 lakhs: 10 marks / project (c) Minor projects amount mobilized with grants above Rs. 50,000 upto 5 lakhs: 5 marks / project RESPNI: $\dfrac{\sum no.\ of\ projects\ x\ marks}{2\ x\ max\ marks} x\ 20$
2.	On-Going Research Projects **(Max. Score: 15)**	For one ongoing project: 5 marks per project
3.	PhDs Completed **(Max. Score: 20) (Yearly Assessment)**	(a) If degree awarded within minimum period (4yrs-FT/5yrs-PT): 10 marks per candidate (b) If degree awarded between min to maximum period: 7 marks per candidate (c) If degree awarded after extension period: 5 marks per candidate PHDI: $\dfrac{\sum no.\ of\ scholars\ x\ marks}{no.\ of\ eligible\ research\ scholars\ x\ max\ marks} x\ 20$
4.	Research Scholars Registered **(Max. Score: 5) (Half Yearly Assessment)**	(a) Part time research scholars: 3 marks (b) Full time research scholars: 5 marks RSI: $\dfrac{\sum no.\ of\ research\ scholars\ x\ marks}{3\ x\ max\ marks} x\ 5$
5(a).	Faculty Members Involved in Research Publications - Journals **(Max. Score: 10)**	(a) Refereed indexed journals (without IF) or national journals: 5 marks (b) Papers with IF (<1): 10 marks (c) Papers with IF (1 to 2): 12 marks (d) Papers with IF (2 to 3): 15 marks (e) Papers with IF (3 to 4)/ IEEE with IF: 20 marks (f) Non-refereed but recognized and reputed having ISSN/ISBN: 3 marks JPI: $\dfrac{\sum no.\ of\ faculty\ x\ marks}{33\%\ of\ total\ no.\ of\ faculty\ x\ max\ marks} x\ 10$ Note : Number of faculty members should not exceed 33%
5(b).	Faculty Members Involved in Research Publications – Conferences (Abstract Publication is not Counted) **(Max. Score: 10)**	(a) National conferences: 1 mark (b) International conferences @ MLM or other colleges: 3 marks (c) International conferences @ IITs/NITs: 5 marks (d) International conferences outside India: 7 marks CPI: $\dfrac{\sum no.\ of\ faculty\ x\ marks}{33\%\ of\ total\ no.\ of\ faculty\ x\ max\ marks} x\ 10$

		Note : Number of faculty members should not exceed 33%
5(c).	Faculty Members Involved in Research Publications – Book Chapters Etc (Max. Score: 5)	(a) Chapters in knowledge based volumes by National level publishers with ISBN/ISSN numbers: 3 marks (b) Chapters contributed to edited knowledge based volumes published by international publishers: 5 marks (c) Subject books by local publishers with ISSN/ISBN numbers: 7 marks (d) Subject books by International / National / State level publishers and Central Govt. publications with ISSN/ISBN numbers: 9 BPI: $\dfrac{\sum no.\ of\ faculty\ x\ marks}{33\%\ \ of\ total\ no.\ of\ faculty\ x\ \max\ marks} \times 5$ Note : Number of faculty members should not exceed 33%
6	Consultancy Works (Max. Score: 10)	(a) Amount mobilized upto Rs. 1 lakhs: 2 marks (b) Amount mobilized from 1 lakh to 5 lakhs: 3 marks (c) Amount mobilized more than 5 lakhs: 5 marks CONSI: $\dfrac{\sum no.\ of\ consul\tan cy\ x\ marks}{2\ x\ \max\ marks} \times 10$
7.	Patents Filed (Max. Score: 5)	(a) Patent filed at national level: 3 marks per patent (b) Patent filed at international level: 5 marks per patent PATI: $\dfrac{\sum no.\ of\ patents\ x\ marks}{2\ x\ \max\ marks} \times 5$

Note: If publication is shared by more than one author, the first author and Ph.D supervisor (if applicable), Joint supervisor (if applicable) gets full marks, and remaining authors get only half credit. Similarly, the Principal Investigator gets full credit while co-investigator gets only half credit. This system is applicable in all similar cases of sharing.

Dated: 2nd September 2022

Chairman

Principal