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MCET

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Estd. 1998 | AICTE Approved | Affiliated to Anna University
An Autonomous Institution

NAAC A++ GRADE
Cycle 3 (2023-2030)
The Highest Grade

Office of Dean
Research & Innovation

Research and Innovation Policy Handbook of Dr.Mahalingam College of Engineering and Technology

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2025

Dr.S. Thakrishnan
Dean - Research & Innovation

VISION AND MISSION OF THE INSTITUTE

Vision

We develop a globally competitive workforce and entrepreneurs

Mission

Dr.Mahalingam College of Engineering and Technology, Pollachi endeavors to impart high quality; competency based technical education in Engineering and Technology to the younger generation with the required skills and abilities to face the challenging needs of the industry around the globe.

This institution is also striving hard to attain a unique status in the international level by means of infrastructure, state-of-the-art computer facilities and techniques

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VISION AND MISSION OF THE OFFICE OF DEAN RESEARCH & INNOVATION

Vision

To become a globally recognized hub of pioneering research and innovation, driving transformative advancements in engineering and technology for the betterment of society.

Mission

- **Foster research excellence and innovation, by identifying potential IPR, offering financial support for filing, facilitating revenue sharing from consultancy collaborations, and rewarding faculty through fair incentives.**
- **Strengthen research interest groups, empower the student research council, and publish the R&I newsletter to promote and celebrate achievements in the domain of research and innovation.**
- **Disseminate knowledge through the publication of research, knowledge-sharing sessions, seminars, faculty development programs, workshops, inter and intra-college technical symposiums, conferences, and open-house exhibitions.**
- **Offer state-of-the-art research facilities and resources to facilitate interdisciplinary research projects, secure research funding, conduct research with industry partners, and carry out PhD works.**
- **Review Ph.D. scholars' progress, department R&I activities, ongoing externally funded projects, in-house R&D projects, and institute innovation council.**

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1. OFFICE OF DEAN - RESEARCH & INNOVATION ROLES & RESPONSIBILITIES

Dean - Research & Innovation (R&I)

- The Dean of R&I plays a very important role as a strategic leader for the institution's Research, Development and Innovation activities at MCET.

Responsibilities:

- To prepare an annual budget with an activity planner pertaining to research and innovation
- To formulate policies for the conduct of research and steps to maintain suitable standards.
- To create and maintain a database regarding faculty expertise in research and innovation areas.
- To encourage, mentor, and guide faculties in their research activities and publications.
- To plan the infrastructure and equipment required to conduct research or consultancy work.
- To provide leadership and guidance in identifying external funding for research projects and submitting proposals to secure funds for research.
- To provide leadership and support to the Institution Innovation Council
- To develop innovative designs primarily on market demand with low-cost solutions and to nurture and advance the culture of design and innovation to attract and benefit end users.
- To ensure on-time registration of patents and IPRs for the research and innovations of MCET.
- To create and maintain relevant records of research and innovations done.

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Institute Level R&I Coordinators

Intellectual Property Rights (IPR) Coordinator

Responsibilities:

- Facilitating faculty members and departments in obtaining patents, copyrights, designs, trademarks, and layout designs of integrated circuits.
- Coordinating with faculty members to identify potential inventions with the help of external experts.
- Supporting faculty members in IPR drafting with the help of in-house expertise and external patent agents
- Facilitating the conversion of quality student projects into patents.
- Identifying patents that have potential for technology commercialization.
- Ensuring the timely submission of the first examination report.
- Organizing training programs and workshops for faculty members related to patent drafting, filing, the first examination report, and other IPR activities.
- Following up on department targets and identifying gaps.
- Regularly updating and maintaining databases for IPR details and updating them on the R&I webpage.
- Monitoring the budget and maintaining expenses related to IPR.
- Verifying incentive claims and ensuring that the required processes are appropriately followed.
- Providing data as required by ranking institutions and statutory bodies, such as NIRF, NAAC, UGC, AICTE, etc., in the appropriate format.

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Research Publications Coordinator

Responsibilities:

- Identifying calls for book chapters, conference papers, papers in special issues of journals, and in indexed publications, periodically and preparing the data to circulate to the departments.
- Identifying delisted journals (fake journal identification) and circulating the information.
- Facilitating the faculty members to find the similarity of articles by using plagiarism checker tools.

- Ensuring the inclusion of other MCET author-published articles in the references for the new submissions.
- Monitoring and ensuring the latest updates to the publication details on the institution's, departments', and faculty members' IRINS, Scopus, Google Scholar, ResearchGate, and other scholarly index pages.
- Organizing training programs and workshops for faculty members related to publications.
- Regularly maintaining databases of paper publication details and updating them on the R&I webpage.
- Verifying incentive claims and ensuring that the required processes are appropriately followed.
- Following up on department targets and identifying gaps.
- Providing data as required by ranking institutions and statutory bodies, such as NIRF, NAAC, UGC, AICTE, etc., in the appropriate format.

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Consultancy Works Coordinator

Responsibilities:

- Facilitating the departments in identification of consultancy work's requirements from industries.
- Benchmarking the consultancy work from MCET at the level of top NIRF-ranked institutions.
- Facilitating infrastructure requirements to carry out quality consultancy work.
- Coordinating onsite visits to industries related to consultancies.
- Collecting the final closure report, invoices, purchase orders, and other documents related to consultancy work.
- Regularly maintaining databases for consultancy details and updating them on the R&I webpage.
- Verifying incentive claims and ensuring that the required processes are appropriately followed.
- Monitoring the progress of ongoing consultancy work.
- Following up on department targets and identifying gaps.
- Providing data as required by ranking institutions and statutory bodies, such as NIRF, NAAC, UGC, AICTE, etc., in the appropriate format.

External Funded and In-house R&D Projects Coordinator

Responsibilities:

- Identifying funding opportunities from external sources, such as government and non-governmental agencies, periodically preparing the data, and facilitating the circulation of the same to departments.
- Benchmarking the research grant submissions from MCET at the level of the top NIRF-ranked institutions.
- Coordinating the review of funded project proposals with the help of external experts to ensure potential submissions.
- Monitoring the status of submitted proposals for external funding.
- Following up on rejected proposals from departments for quality resubmission.
- Periodic monitoring of the progress of the ongoing external funding.
- Facilitating onsite visits as and when needed for the submitted proposals.
- Monitoring the timely submission of the Utilization Certificate (UC) and final technical report.
- Facilitating the management contribution of expenses over and above the research grant received from external funding agencies.
- Organizing training programs and workshops for faculty members related to funding schemes and grant writing.
- Verifying incentive claims and ensuring that the required processes are appropriately followed.
- Following up on department targets and identifying gaps.
- Coordinating the required process for the release of seed money to in-house R&D for both faculty members and students.
- Periodic monitoring of the progress of the ongoing in-house projects.
- Organizing open house project exhibitions once per semester for internal students and once per year for students from schools and other institutions.
- Regularly maintaining databases related to in-house projects & external funding and updating them on the R&I webpage.
- Providing data as required by ranking institutions and statutory bodies, such as NIRF, NAAC, UGC, AICTE, etc., in the appropriate format.

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Ph.D. Course-work and R&I Budget Coordinator

Responsibilities:

- Facilitating part-time and full-time Ph.D. admission processes at Anna University, Bharathiar University, and centrally funded institutions.
- Monitoring the Ph.D. admission status in approved Ph.D. research centres.
- Collecting coursework registration forms from Ph.D. scholars and submitting them to the exam cell.
- Consolidating CCET marks and internal marks and submitting them to the exam cell.
- Regularly maintaining databases for Ph.D. coursework and Ph.D. supervisor details and updating them on the R&I webpage.
- Consolidating the R&I yearly budget proposal from departments.
- Periodically following RI budget utilization of departments.
- Providing data as required by ranking institutions and statutory bodies, such as NIRF, NAAC, UGC, AICTE, etc., in the appropriate format.

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R&I Information Coordination Team

Responsibilities:

- Collecting and formatting data for the R&I Newsletter and ensuring the release of four issues per year.
- Collecting and maintaining monthly RI dashboard data.
- Preparing minutes of meetings conducted in relation to research activities.
- Coordinating attendance, e-certificate distribution, report preparation, and other activities related to knowledge sharing sessions.
- Regularly maintaining databases for R&I activities and updating them on the R&I webpage.
- Providing data as required by ranking institutions and statutory bodies, such as NIRF, NAAC, UGC, AICTE, etc., in the appropriate format.

2. RESEARCH PROMOTION POLICY

Preamble:

MCET aims to promote research excellence and serving the society by offering dynamic higher education ecosystem with a focus on research, innovation, and technology development which can address the societal concerns facing our nation. MCET establishes an open forum to promote academic achievement and engage in intellectual research for both faculty members and students. R & I activities take place in order to enhance knowledge that paves the way for new research & advancement, and to have industrial collaboration.

The Research and Development cell is coordinating research and innovation activities of the institution, guided by the Research Advisory Committee which is directed by the Dean of Research &Innovation and headed by the Principal. The RDC is responsible to formulate various processes, procedures, and methodologies for research and innovation activities along with R & I coordinators from various departments.

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Academic Research:

- All the faculty members are encouraged to conduct research in emerging areas as well as interdisciplinary areas.
- Faculty research articles that are indexed by Q1/ Web of Science (SCIE) /Scopus are awarded with monetary incentives.
- Faculty members attending reputable conferences and workshops will receive financial support.
- Ph.D. scholars will be provided with on duty leave.
- Faculty with Ph.D. should publish three articles in Q1/SCIE publications per year, faculty working towards Ph.D. should publish three articles in Q1/SCIE/Scopus publications per year, and faculty with master's degrees should publish three article in SCIE/Scopus-indexed Scopus-indexed conference per year.

- The UG and PG projects are primarily focused on research and that should be published either in the SCIE/Scopus/UGC care journals or Scopus-indexed conferences.
- Ph.D. holders working in MCET should have supervisor recognition from the university. Faculty members holding Ph.D. can submit a request letter for supervisor recognition to the Principal through HoD concern and Dean R&I.
- A Ph.D. supervisor working in MCET before inducting Full/Part-time Ph.D. candidates must get the approval from Principal through HoD concern and Dean R&I.
- Faculty members working in MCET, after 1 year of service in MCET should register for Ph.D.
- External candidates applying for Ph.D. in MCET should have a minimum of one year of teaching experience.
- Faculty members working in MCET are encouraged to do full-time Ph.D. in centrally funded institutions (like IITs, NITs) and top NIRF-ranked institutions. For those candidates, partial financial assistance and leave will be provided.
- The faculty members after one year of minimum service in MCET can be recommended by the HoDs concerned to do a Ph.D. without affecting the regular Teaching-Learning process. In addition to that

  HoDs concern should make sure the required support to take up course works and conduct research is provided to the candidates.
- External and internal candidates satisfying the above-mentioned criteria should submit the filled-in request form available in the Dean R&I to the principal of MCET. The candidates should make a request to the Principal through HoD concern, Ph.D. supervisor, and Dean R&I for getting a No objection certificate.
- Faculty members newly joined in MCET, with already ongoing Ph.D. registration should submit a request for a No objection certificate along with evidence of Ph.D. registration and meeting minutes to the Principal through HoD and Dean R&I.

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- In case there is a cancellation/re-registration, proper approval shall be obtained from the Principal through HoD concern and Dean R&I.
- Ph.D. scholars should submit a progress report every semester in the prescribed format to the Dean R&I, duly forwarded by Ph.D. supervisor and HoDs concern.
- After the successful completion of Ph.D. viva-voce, the scholars should submit the Ph.D. thesis to the central library through the Dean R&I office.

External Funded Projects/In-house R&D:

- The institution provides SEED money for in-house R&D projects to all potential faculty members and students. The minimum SEED money provided will be 1 lakh rupees per project.
- In-house Funding Scheme is provided in order to promote research and innovation among the faculty members and students in the campus. The objective of the scheme is to accelerate the prospect to receive financial support from Government/Non-Governmental Agencies in the future.
- Under this scheme students and faculty members shall apply for the funding with an idea and neat description of their work. After scrutinizing the proposal, financial support will be provided.
- A copy of proposals complete in all aspects is to be submitted through the proper channel to the office of Dean of Research & Innovation.
- Preference will be given to proposals that have a high potential for external funding and to strengthen inter-disciplinary research partnerships.

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Consultancy:

- Faculty members of MCET can approach industries to carry out consultancy and testing services to industry and external agencies.
- Institute will provide necessary support such as required space, facilities, and reduced workload to the faculty members.

Table 2.1 Norms for sharing of Consultancy Revenue

Net revenue received for consultancy	Institution resources are utilized	60:40 ratio 60% to the institution 40% as an incentive
	Institution resources are not utilized	40:60 ratio 40% to the institution 60% as an incentive
Norms for distribution of Incentive		
Faculty team members handling the consultancy		75%
Department supporting staff involved in the consultancy work		15%
MCET Office, Central Office and HR Office		10%

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- Revenue generated from consultancy will be shared as per the above table.

Intellectual Property Rights (IPR):

RDC IPR wing facilitates faculty members in drafting and filing of patents. The major functions of IPR cell are given below but not limited to:

- RDC has an IPR wing to create awareness about technology commercialization and Patenting among students and faculty members and also provide support for IPR filing in Indian Patent Office.
- MCET- IPR wing of RDC has signed a Memorandum of Agreement (MoA) with National Research Development Corporation (NRDC).

- Potential inventions from faculty members and UG and PG projects having novelty, inventive steps and industrial applicability can be patented by submitting the details to Indian Patent Office. The following services are provided by the RDC-IPR wing to faculty and students:
    - Knowledge support for the conversion of innovative ideas and projects into patents.
    - Funding support for patent search, drafting and patent filing will be provided by institution.
    - Guidance and funding support for technology transfer and commercialization of innovative technologies.
    - Support for patent renewal, response for examination report, and legal dispute if any.

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- The Objectives of the IPR wing of RDC are as follows:
    - Organizing workshop/guest lecture on technology commercialization and patenting.
    - To set targets to stream-wise and conduct periodical review meetings.
    - Helping the identified projects to get technology Commercialization and Patenting
    - Motivating faculty members to file copyright for their teaching materials, lab manuals, etc.
- The Monitoring policy of the IPR wing of RDC is as follows:
    - Impact assessment of the Institute's IPR initiatives should be performed regularly using well- defined evaluation parameters such as the number of workshops, conferences conducted, and IPR policy / review committee meetings both at department and institute levels.
    - The number of patents filed, published, and granted, the support system provided at the institutional level and satisfaction of inventors, and new commercialization created by the institute should be recorded.
    - Faculty members are appreciated with monetary incentives when patents are granted.

Ethics and Plagiarism:

Ethics and Plagiarism Committee supports faculty members by providing tools to check for similarity. The major functions of ethics and plagiarism committee are given below but not limited to:

- Approval of research projects that involve human participants or personal information.
- Provide suggestions and advice on any research-related ethical concerns.
- Ensure that the institution complies with all statutory and regulatory requirements regarding its adherence to ethical, legal, and professional commitments and standards.
- To provide guidance to the Principal on concerns pertaining to integrity in research and ethical issues.
- Regular RDC initiatives will make sure that researchers are aware of the value of integrity and ethics and that they adhere to ethical standards for research and publication methods at the institutional, national, and international levels.
- All researchers should have access to the necessary tools in order to do a standard plagiarism check, which should be made mandatory.
- Faculty members shall utilize research software tools such as Turnitin and Urkund for similarity checking of research articles/student project reports.
- Furthermore, the RDC will educate the research community about questionable research and publishing procedures, as well as predatory journals.
- Research articles and grant proposals shall have a 10% similarity or publisher/Grant agency similarity limit (whichever is minimum).
- In UG and PG project reports, the minimum allowable similarity is 15% and 20% respectively.
- In case of any faculty member/scholars/students who have committed the act of plagiarism in their thesis/project report/journal publication/grant proposal/any other research writing, appropriate action will be taken against them as per the guidelines of the rsity/UGC/Publisher/Funding Agency/any other competing authority.

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3. RESEARCH INITIATIVES

A. FACULTY & SCHOLAR DEVELOPMENT

3.1 Expanding Research Scholar Enrolment
3.2 Launching Research Faculty Scheme
3.3 Introducing Full-Time Research Scholars(FTRS) and Teaching Research Faculty(TRF)
3.4 Conducting Knowledge Sharing Sessions (KSS) & Organizing Research Seminars
3.5 Facilitating Student Participation in Seminars & Workshops
3.6 Facilitating Faculty for Online NPTEL - Swayam Certifications
3.7 Facilitating Faculty to attend Faculty Development Programmes
3.8 Facilitating faculty to become authorized expert by Govt. agencies to carryout Consultancy Works
3.9 Rewarding Faculty for Research Contributions
3.10 Purchasing R&I Tools for Plagiarism & Grammar Checking
3.11 Facilitating Subscriptions for Printed & E-Journals

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B. RESEARCH REVIEW & MONITORING

3.12 Periodic Review of Departments' R & I Activities
3.13 Periodic Review of Ph.D. Scholars' Progress
3.14 Periodic Review of Ongoing External & In-house Funded Projects and Consultancy Works
3.15 Convening Meetings, Controlling & Monitoring NIRF Data Analysis

C. RESEARCH INCENTIVES & SUPPORT

3.16 Coordinating Cash Incentive Distribution to faculty members for Research Contributions
3.17 Providing support for availing the Research Contingency Grant (RCG)
3.18 Developing In-house talent pool, providing Technical & Financial support for IPR Management
3.19 Identifying & Sanctioning In-house R&D Projects for Faculty members and Students
3.20 Facilitating Revenue Sharing for Consultancy Works

D. RESEARCH & COLLABORATION GROUPS

3.21 Establishing Student Research Council (SRC)
3.22 Establishing Research Interest Groups (RIG)
3.23 Establishing Tech Express Circle (TEC)
3.24 Managing Institution's Innovation Council (IIC)

E. RESEARCH COMMUNICATION & PUBLICATION

3.25 Publishing Bi-monthly MCET Research Dashboard
3.26 Updating Research information periodically in institution webpage
3.27 Publishing R&I Newsletter
3.28 Circulating Call for Proposals for external grants
3.29 Publishing Research Process Handbooks
3.30 Developing process flows, templates and forms for various R&I activities
3.31 Creating and Updating IRINS Profile
3.32 Preparing Annual reports for RIG, SRC, KSS and Annual report of R&I activities

A. FACULTY & SCHOLAR DEVELOPMENT

3.1 Expanding Research Scholar Enrolment

To facilitate research scholar enrolment, faculty members are encouraged to pursue Ph.D. programs. During departmental review meetings, the importance of Ph.D. enrolment is emphasized by highlighting its role in academic growth, research excellence, and career advancement. Faculty members are informed about the benefits of obtaining a doctoral degree, such as enhanced teaching capabilities, research funding opportunities, and eligibility for supervisory roles. Congratulatory creatives will be developed, for the scholars who got Ph.D. admission.

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With a steady increase in completed, ongoing, and newly registered scholars, this initiative strengthens the research ecosystem by enhancing scholar participation and improving research output. The Ph.D. process at MCET begins with the University Ph.D. admission notice, followed by application submission. Upon acceptance, candidates receive provisional registration and enroll in coursework. After completing coursework and obtaining confirmation, they submit half-yearly progress reports and presentations.

Next, candidates submit their synopsis and continue research, Once research is complete, they submit the thesis. The university then processes the evaluation, leading to viva-voce notification. If successful, the candidate is awarded the provisional and degree certificates. Key submissions include various forms, seminar presentations, and no dues clearance.

3.2 Launching Research Faculty Scheme

The Launching Research Faculty Scheme aims to strengthen institutional research capabilities by recruiting distinguished professionals through structured selection, evaluation, and retention processes. Assistant Professor (Research), Associate Professor (Research), and Professor (Research) appointments begin with a two-year probationary period to assess suitability for tenure-track positions. Successful faculty continue in their roles, while those not transitioned receive a one-year grace period followed by reassessment for academic migration. Performance is monitored through monthly reviews, annual appraisals, and merit evaluations.

To ensure continuity, unexpected tenure termination mandates completion of ongoing research with institutional affiliation. A surety bond ensures ownership of patents, funded projects, consultancy works, and publications, secured by post-dated cheques worth three months' gross salary. This policy upholds institutional recognition and research integrity. The policy document of Research Faculty is provided below:

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3.2.1 Policy Document for Assistant Professor (Research), Associate Professor (Research) and Professor (Research)

Job Position: Assistant Professor (Research) / Associate Professor(Research) / Professor(Research)
Discipline: Core/Circuit/IT Stream/Science & Humanities
Qualification: Ph.D. in Engineering/Science and Humanities- Maths, Physics, Chemistry
Attractive salary will be provided

Appointment Structure:

Assistant Professor (Research), Associate Professor (Research) and Professor (Research) appointments are initially established for a two-year probationary period. The goal is to assess the individual's suitability for a tenure-track position. Upon successful fulfilment of the probationary requirements, the faculty member will persist in their role as Assistant Professor (Research) / Associate Professor (Research) / Professor (Research). If not transitioned to tenure-track within the initial two years, one more year of grace period will be given, and a re-assessment will be conducted to assess suitability for academic faculty migration. Monitoring mechanisms of periodical monthly progress reviews, annual appraisals and merit reviews over a two-year period will be conducted.

When a research faculty member's tenure unexpectedly terminates, it's important to ensure that work- in-progress submissions are completed with the college's affiliation for ongoing projects, works, patent submissions, and research publications.

A Surety bond with the commitment that the institution retains ownership for patents, funded projects, consultancy works and publications with institution affiliation and post-dated cheques, totalling three months' gross salary, are to be provided for the surety bond. This ensures that the institution retains ownership and recognition for the intellectual property and scholarly contributions resulting from the research to ensure clarity and transparency regarding affiliations.

Qualification:

Faculty of Engineering - Assistant Professor (Research):

Ph.D. in the respective field of specialization from a reputed university with 3 years of teaching/research/industry experience after M.E/M.Tech. Faculty should have a good research track record and a minimum Scopus h-index of 3.

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Pay Band of Assistant Professor (SG): Rs.15600-39100+AGP 8000

Pay Band of Assistant Professor (Research): Pay Band of Assistant Professor (SG) + Variable Research Allowance* of Rs. 10,000 – Rs. 15,000 per month.

Faculty of Engineering - Associate Professor (Research):

Ph.D. degree in the relevant field and a first class at B.E/B.Tech. & M.E/M.Tech. in the relevant branch. A minimum of 8 years of experience in teaching/research/industry out of which at least 2 years shall be at a post - Ph.D. experience. Faculty should have a good research track record and a minimum Scopus h-index of 8.

Pay Band of Associate Professor: Rs.37400-67000+AGP 9000

Pay Band of Associate Professor (Research): Pay Band of Associate Professor + Variable Research Allowance* of Rs. 15,000 – Rs. 20,000 per month.

Faculty of Engineering - Professor (Research):

Ph.D. degree in a relevant field and a first class at B.E/B.Tech. & M.E/M.Tech. in the relevant branch. A minimum of 10 years of experience in teaching/research/industry out of which at least 3 years shall be at a post equivalent to that of an Associate Professor. Faculty should have a good research track record and a minimum Scopus h-index of 12.

Pay Band of Professor: Rs.37400-67000+AGP 10000.

Pay Band of Professor (Research): Pay Band of Professor + Variable Research Allowance* of Rs. 20,000 – Rs. 25,000 per month.

Faculty of Science & Humanities - Assistant Professor (Research):

Ph.D. in the respective field of specialization from a reputed university with 3 years of teaching/research/industry experience after M.Sc./MCA. Faculty should have a good research track record and a minimum Scopus h-index of 3.

Pay Band of Assistant Professor (SS): Rs.15600-39100+AGP 7000.

Pay Band of Assistant Professor (Research): Pay Band of Assistant Professor (SS) + Variable Research Allowance* of Rs. 5,000 – Rs. 10,000 per month.

Faculty of Science & Humanities - Associate Professor (Research):

A first-class M.Sc. / MCA degree and a Ph.D. in a relevant field of study from reputed universities are essential. A total of 12 years of teaching/industry experience after M.Sc./MCA degree out of which at least 2 years shall be at a post - Ph.D. experience. Faculty should have good research track record and a minimum Scopus h-index of 8.

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Pay Band of Associate Professor: Rs.37400-67000+AGP 9000.

Pay Band of Associate Professor (Research): Pay Band of Associate Professor + Variable Research Allowance* of Rs. 10,000 – Rs. 15,000 per month.

Faculty of Science & Humanities – Professor (Research):

A first-class M.Sc. / MCA degree and a Ph.D. in a relevant field of study from reputed universities are essential. A total of 15 years of teaching/industry experience after an M.Sc./MCA degree out of which at least 3 years shall be at a post equivalent to that of an Associate Professor. Faculty should have a good research track record and a minimum Scopus h-index of 12.

Pay Band of Professor: Rs.37400-67000+AGP 10000

Pay Band of Professor (Research): Pay Band of Professor + Variable Research Allowance* of Rs. 15,000 – Rs. 20,000 per month.

*****The variations in research allowance for the research faculty members will be based on the publication track records, Scopus h-index and previous research contributions.

Job Description:

As an Assistant Professor (Research) / Associate Professor (Research) / Professor (Research), the primary responsibility will be to conduct innovative research, publish scholarly works, pursue patents, secure external funding and perform consultancy works, in the area of their expertise as [illegible]rmance target are further mentioned.

Research points for Assistant Professor (Research) / Associate Professor(Research) / Professor(Research):

Table 3.2.1 Research points

S.No.	Category	Research Points per contribution
1.	Publication in Q1 Journal	100
2.	Publication in SCIE Journal	60
3.	Publication in Scopus indexed Journal	40
4.	Publication in IEEE, Elsevier, ACM & international conferences indexed in Scopus/UGC Care journals/indexed book chapters from reputed publishers	20
5.	Book published in reputed National or International Publisher with ISSN No.	50
6.	Consultancy and Funded Project: Sanctioned and Received Amount (for every 1 Lakh) (Executive Training programmes and testing charges will not be considered)	10
7.	Patent Filing	20
8.	Design Filing	15
9.	Copyright Filing	10
10.	Patent Grant	100
11.	Design Grant	30
12.	Copyright Grant	20

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Guidelines:

- Assistant Professor(Research) / Associate Professor(Research) / Professor(Research) should strongly be within the first 2 author positions for Research Publications and the first 2 inventors for patents. However, if the research faculty is the 2nd author or 2nd inventor for publication or patent, then the first author should be from industries or reputed institutions from abroad, top NIRF- ranked government and government- aided institutions or his/her own Ph.D. scholars.

Assistant Professor (Research) / Associate Professor (Research) / Professor (Research) should strongly be the Principal Investigator for funded projects and the primary consultant for consultancy works.

- Scores of research faculty will not be divided if co-authors are from industries or reputed institutions from abroad, top NIRF- ranked government and government- aided institutions or their own Ph.D. scholars.
- The Score of the research faculty will be divided by the number of co-authors from MCET and authors from other private institutions.
- Article processing charges, registration fee, open access fee, testing charges, any other expenses, etc., are to be covered by research faculty either through ongoing funded project/consultancy and international & national collaborations.
- Research should be carried out using the infrastructure facilities available on our campus.

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Target for Assistant Professor (Research) / Associate Professor (Research) /Professor (Research) for a year:

Table 3.2.2 Target points for research Faculty

S.No.	Targets/ Mechanisms	Assistant Professor (Research)	Associate Professor (Research) & Professor (Research)
1.	Annual target designated for achievement	• 500 Research points per year	• 600 Research points per year
2.	Target during the initial two years: Cumulative Research Point	• Totally 1000 Research points in two years	• Totally 1200 Research points in two years
3.	Monitoring Mechanisms	• Monthly reviews • Annual appraisal • Merit reviews conducted every two years	

Table 3.2.3 Target and Employment Benefits checklist

S.No.	Target	Employment Benefits Checklist					
		Annual Increment will be provided	**Annual DA revision will be provided**	**Research allowances continued every month**	**Incentives for their exceeded contributions**	**Tenure confirmation**	**One more year of extension will be given**
1.	During the first year of service: If 75% of the target is achieved	✓	✓	✓	✓		
2.	During the first year of service: If less than 75% of the target is achieved	×	✓	✓			
3.	If the cumulative target is achieved within two years of service	✓	✓	✓	✓	✓	
4.	If the cumulative target is not achieved within two years of service*	×	✓	×		×	✓

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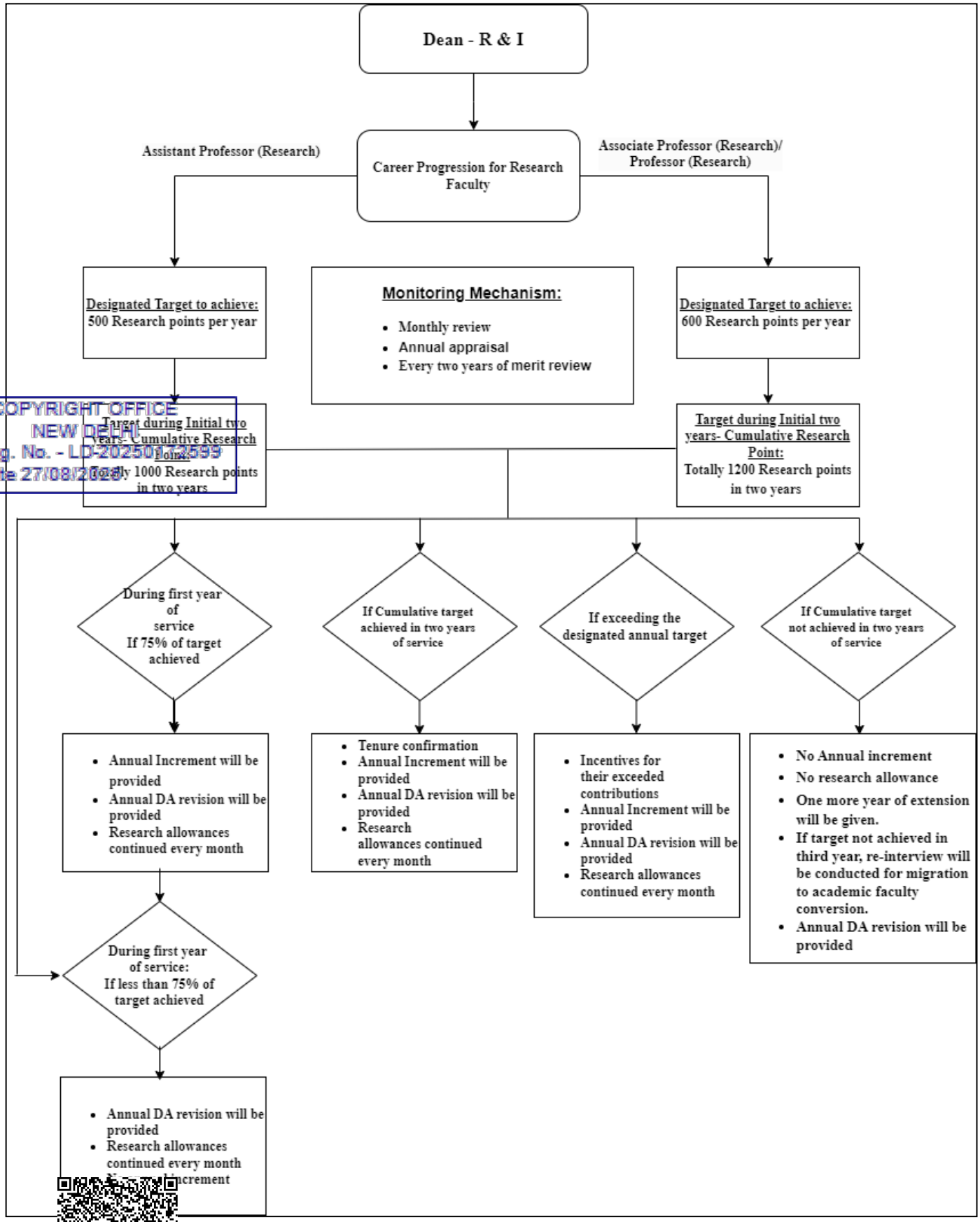
***If the cumulative target is not achieved within two years of service, one more year of grace period will be provided, and re-assessment will be conducted to assess suitability for academic faculty migration.**

Figure 3.2.1 Career Progression Flowchart for Research Faculty



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Salient features

- Full-time research role
- No teaching task
- No administrative duty
- Flexible working time
- Assured renewal upon target achievement
- Incentives for exceeding targets
- Gratuity Scheme
- Benefits of EPF
- Staff personal safety and health insurance
- Staff Family Benefit Fund
- Thrift Society
- Casual leave entitlement
- Medical leave entitlement
- Earned leave encashment
- Vacation entitlement
- Other service benefits at par with the existing faculty member of the institution.

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Ethics and Plagiarism

- Research and scholarly activities should uphold honesty and transparency.
- Plagiarism is strictly prohibited in all the academic and professional pursuits.
- Proper attribution and citation of sources are essential to maintain academic integrity and respect for original authors.

3.2.2 Monthly Progress Report of Research Faculty

Dr. Mahalingam College of Engineering and Technology, Pollachi – 03
(An Autonomous Institution)

Office of Dean Research and Innovation

Research Faculty Monthly Progress Report for *mm/yyyy*

Date:

Name:
Designation & Department:
Date of Joining:

Table 3.2.4 Publications

S. No.	Contribution and Points per Contribution	Submitted		Accepted		Published		Points Achieved
		Till Previous Month	Current Month	Till Previous Month	Current Month	Till Previous Month	Current Month	
1.	Q1 Journal (100)							
2.	SCIE Journal (60)							
3.	Scopus Journal(40)							
4.	International Conferences Indexed in Scopus (20)							
5.	Book chapter from reputed publishers (20)							
6.	Book published in reputed National / International Publisher with ISSN No. (50)							

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Table 3.2.5 IPR

S. No.	Contribution	Filed		Published /Registered		Granted		Points Achieved
		Till Previous Month	Current Month	Till Previous Month	Current Month	Till Previous Month	Current Month	
1.	Patent Filing (20)							
2.	Patent Grant (100)							
3.	Design Filing (15)							
4.	Design Grant (30)							
5.	Copyright Filing (10)							
6.	Copyright Reg. (20)							

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Read the instructions carefully for Research points provided in the following link:
https://drmcet.ac.in/wp-content/uploads/2024/08/Research-points-and-Targets.pdf

Table 3.2.6 Funding and Consultancy

S. No.	Contribution	Applied		Approved		Sanctioned		Points Achieved
		Till Previous Month	Current Month	Till Previous Month	Current Month	Till Previous Month	Current Month	
1.	Consultancy Project (10 points for every 1 Lakh)							
2.	Research Project Fund (10 points for every 1 Lakh)							

Details of the Contribution

Table 3.2.7 Publication						
S. No.	**List of the Authors**	**Title of the Paper**	**Name of the Journal and Publisher**	**DoI**	**Month & Year of Publication**	**Indexing (Q1/SCIE/ Scopus) and Status**
1.						
2.						

Table 3.2.8 Book/Book Chapter						
S. No.	**List of the Authors**	**Title of the Book**	**Title of the Book Chapter (if applicable)**	**Name of the Publisher & ISBN Number**	**Month & Year of Publication**	**Scopus Indexing (Yes/No)and Status**
1.						
2.						

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Table 3.2.9 Indexed Conferences						
S. No.	**List of the Authors**	**Title of the Paper**	**Name of the Conference**	**Name of the Organizer**	**Month & Year of Publication**	**Scopus Indexing (Yes/No)and Status**
1.						
2.						

Status: *Submitted/Rev. 1/Rev. 2/Accepted/Published*

Table 3.2.10 IPR						
S. No.	**List of the Inventors**	**Title of the IPR and Status (Filed/Granted)**	**Application No.**	**Date of Filing**	**Type (Patent / Design / Copyright)**	**Grant No. (if granted)**
1.						

Table 3.2.11 Research Projects		
S.No.	**Details of External funded Projects (Name of the PI/Co-PI, Title of Project, Funding Agency & Scheme, Sanctioned Amount & Date, Duration and Status (Submitted/Presentation completed/Sanctioned/not sanctioned/UC sent/Final technical report sent, etc.,)**	
.1.	Duration:	Sanctioned amount: Ref. No.: Status:
.2.	Duration:	Sanctioned amount: Ref. No.: Status:

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Table 3.2.12 Consultancy Projects

S. No.	List of Faculty members	Title of the Project	Client details	Amount Generated (Rs.)	Date of completion/ Expected date of completion
1.					
2.					

Other Noteworthy Contributions:

1.

2.

Table 3.2.13 Summary Details

Name of the Faculty: **Date of Joining:**

Points earned in Publication		Points earned in IPR		Points earned in Funding & Consultancy		A1+B1 +C1	A2+B2 +C2	Total points earned so far	Target	Gap
Till last month (A1)	Current month (A2)	Till last month (B1)	Current month (B2)	Till last month (C1)	Current month (C2)					

Signature of the Research Faculty **Signature of the HoD**

Signature of Dean-R&I

3.3 Introducing Full-Time Research Scholars (FTRS) and Teaching Research Faculty (TRF)

The following guidelines are provided for Full-Time Research Scholars (FTRS) and Teaching Research Faculty (TRF).

Table 3.3.1 Guidelines for FTRS and TRF

S. No	Category	Financial Support	Role	Eligibility
1	Full Time Research Scholars (FTRS) with Teaching Research Assistantship.	After provisional registration of confirmation (Course work Completion) the Stipend will be given. First Year – Rs. 20,000 Second Year – Rs. 25,000	Full Time Ph.D. & Part Time Teaching. No Admin Responsibilities.	Candidates need to register for Full Time Ph.D.
2	Full Time Research Scholars (FTRS) without Teaching Research Assistantship.	Not Applicable	Full Time Ph.D. & Part Time Teaching. No Admin Responsibilities.	Candidates need to register for Full Time Ph.D.
3	Teaching Research Faculty (TRF) with Ph.D.	Present salary and service conditions remain unchanged.	Full Time Research & Part Time Teaching. No Admin Responsibilities.	Faculty members upto AP (SG) level with Ph.D. can be converted as TRF.
4	Teaching Research Faculty (TRF) Pursuing Ph.D.	Present salary and service conditions remain unchanged.	Full Time Ph.D. & Part Time Teaching. No Admin Responsibilities.	Faculty members pursuing Ph.D. should convert to Full-Time research scholars.

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Expected Benefits:

1. Increase the contribution to research output and publications, enhancing the institution's academic reputation and improvement in NIRF Rankings.
2. With moderate teaching workload (10 to 14 hours per week) can be helpful to minimize the Department Faculty workload.
3. Full-Time Research Scholars (FTRS) without Teaching Research Assistantship scheme will increase research output without additional financial burden on the college.
4. Long-term increase in the number of Ph.D. qualified faculty, enhancing accreditation scores.

Annexure I

Table 3.3.2 Scheme Guidelines

Particulars	Full Time Research Scholars (FTRS) with Teaching Research Assistantship	Full Time Research Scholars (FTRS) without Teaching Research Assistantship	Teaching Research Faculty (TRF) Pursuing Ph.D.	Teaching Research Faculty (TRF) with Ph.D.
Maximum No. of candidates recruited	Per Guide: 02 Per Dept.: 01/ Intake Over all College: 25	No Limit	Per Dept. : 01 Over all College: 10	Per Dept. : 01 Over all College: 10
Eligibility	Candidates need to register for Full Time Ph.D.	Candidates need to register for Full Time Ph.D. in	Faculty members pursuing Ph.D. should convert to Full-Time research scholars.	Faculty members upto AP (SG) level with Ph.D. can be converted as TRF.
Stipend	After provisional registration of confirmation (Course work Completion the Stipend will be given. First Year – Rs. 20,000 Second Year – Rs. 25,000	No Stipend	Present salary and service conditions to be retained.	Present salary and service conditions to be retained.
Academic Responsibilities	No Admin Responsibilities 10 Hours Per Week Teaching	No Admin Responsibilities 10 Hours Per Week Teaching	No Admin Responsibilities 14 Hours Per Week Teaching	No Admin Responsibilities 14 Hours Per Week Teaching
Attendance & Leave Policy	As per College Norms.	College Timings and Attendance requirements as per postgraduate (PG) students	As per College Norms..	As per College Norms.
Research Targets (Annexure Attached)	200 Research Points	-	300 Research Points	400 Research Points
Incentive	Standard and Enhanced Incentive will be given for the Research Publications Exceeding the Research Targets.			
Duration	2 Year from Date of Confirmation	2 Year from Date of Confirmation	2 Years or Completion of Ph.D.	2 Years
Monitoring Mechanisms	Monthly reviews & Annual Review will be conducted			
Workspace	Appropriate workspace will be given by Department			

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Annexure - II

- Table 3.2.1 Research points are applicable for TRF.
- Faculty members should strongly be within the first 2 author positions for Research Publications and the first 2 inventors for patents. However, if the research faculty is the 2nd author or 2nd inventor for publication or patent, then the first author should be from industries or reputed institutions from abroad, top NIRF- ranked government and government- aided institutions or his/her own Ph.D. scholars.
- TRFs with pursuing Ph.D. can apply external funded project but their supervisors or the faculty working in MCET should strongly be the Principal Investigator for funded projects and the primary consultant for consultancy works.
- Scores of faculty member will not be divided if co-authors are from industries or reputed institutions from abroad, top NIRF- ranked government and government- aided institutions or their own Ph.D. scholars.
- The Score of the research faculty will be divided by the number of co-authors from MCET and authors from other private institutions.
- Article processing charges, registration fee, open access fee, testing charges, any other expenses, etc., are to be covered by research faculty either through ongoing funded project/consultancy and international & national collaborations.
- Research should be carried out using the infrastructure facilities available on our campus.

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3.4 conducting Knowledge Sharing Sessions (KSS) & organizing research seminars

In order to motivate the faculty members and improve the Research culture in MCET, "R&I knowledge sharing sessions" were conducted. These sessions will be handled by and for faculty members of MCET.

Organizing Knowledge Sharing Sessions (KSS) and Research Seminars provides valuable opportunities for learning, facilitates networking, and helps researchers stay updated on industry trends. Inviting external experts to speak on topics such as research publication strategies, securing funded projects, patenting innovations, and utilizing research tools enhances knowledge and fosters innovation.

Knowledge Sharing Sessions were conducted as mentioned below (but are not limited to).

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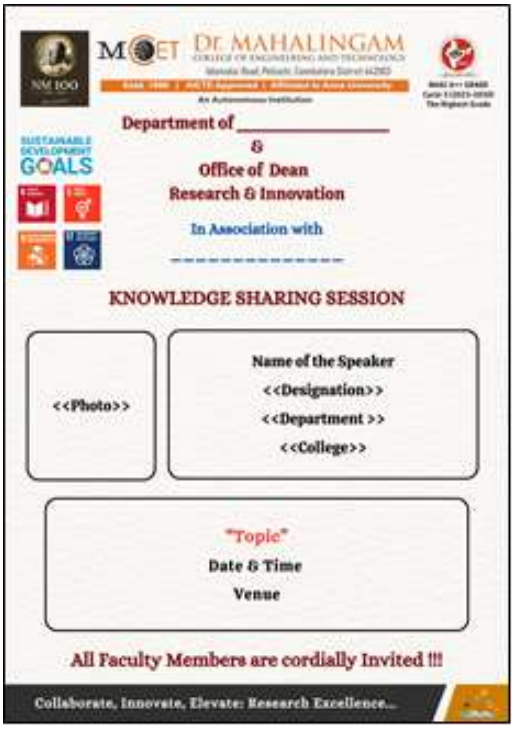
General Topics: Manuscript writing, Finding the right journal, going through peer review, how to review the journal paper, Research ethics, Grant writing, Research metrics, Creating and managing author profile, Patent writing, Handling first examination report of patent, etc.

Emerging Technologies (Example in IT Stream): Block Chain, AI, ML, IOT, ARVR, Cloud Computing, Cyber Security, etc and similarly for other streams.

Research Tool Demonstration (Example in IT Stream): Matlab, Weka, NS2, OpenCV, R, Python packages, Tensor flow, etc and similarly for other streams.

KSS Poster Template:



KSS Report Template:

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
and
"Department Name"

Knowledge Sharing Session

Report on "Title: _____"

Date: _____

About the Session:
(Few words about the KSS and the event focused)

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S.No.	Name of the Resource Person	Topic	Date & Time	Venue	No of Participants

Objectives:

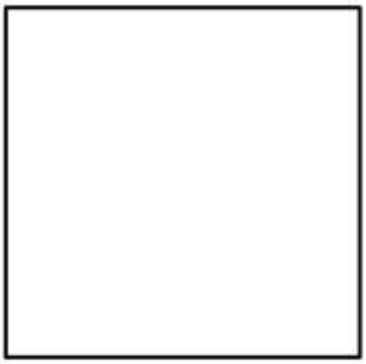
Topics Covered:

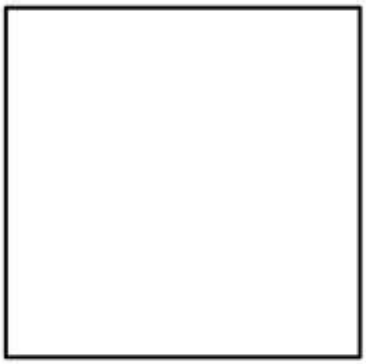
Feedback:

Q & A Session/Interaction:

Outcomes:

Photos taken during the Session:





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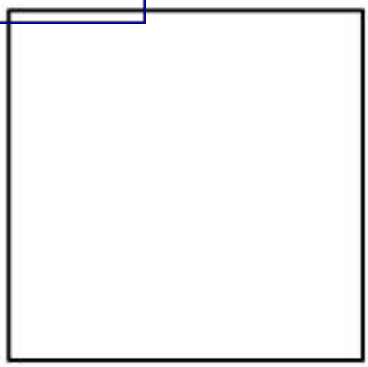

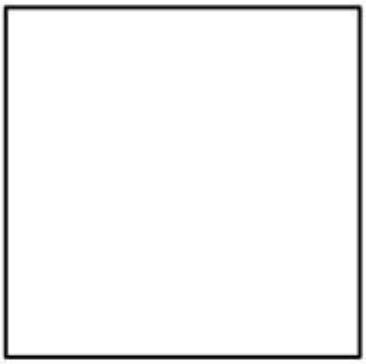

Organized by **HOD** **Dean R&I**

Vice-Principal **Principal**

3.5 Facilitating Student Participation in Competitions, Seminars & Workshops

Facilitating student participation in seminars, hackathons, conferences, and workshops plays a crucial role in enhancing their engagement, exposure, and skill development. Actively involving students in such events helps them gain practical experience, build professional networks, and stay updated with emerging trends in their field. Recognizing their achievements through congratulatory posters, social media announcements, and institutional newsletters not only celebrates their success but also fosters a culture of inspiration and healthy competition among peers. This approach brings confidence, encourages students to take on new challenges, and motivates them to actively participate in future technical events, ultimately driving both personal growth and the collective progress of the institution. Following are the guidelines and forms for students competitive events.

3.5.1 Guidelines for financial assistance to student's participation - Competitive Events & Co-curricular Activities

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It is informed that, to standardize the procedure for financial assistance to the students for participation in Competitive Events & Co-curricular activities has been developed for two categories namely: (A. Participation in top 100 NIRF-ranked academic institutions, B. State/National level participation in professional bodies & International level participation in academic institutions/industries). A committee will be constituted by the Head of the Institution to recommend financial assistance upto 50% of the expenses. Students can submit Form-1 to receive 15% of approved expenses as advance and after successfully winning prizes in the events, they can submit Form-2 to reimburse remaining 35% of the approved expenses.

1. The request from students to participate in events will be reviewed by the committee constituted by the principal and the committee will submit the recommendation for financial support.
2. Students attending competitions should obtain prior approval from the committee, at least 7 working days before submitting their proposal.
3. Students are not permitted for participation in competitive events during semester exams.
4. Institution sponsorship will be provided for competitive events only.
5. Financial support will be limited after two years of continuous participation, without winning prizes.
6. Principal approval is needed for external sponsorship. Funds should not be collected as cash but should be transferred directly to the institution's official account. Sponsorships are entirely voluntary; there is no compulsion to provide sponsorship. Do not approach vendors or suppliers for sponsorship. The website should clearly acknowledge how much was sponsored and who provided the funds.
7. On-duty will be provided for participation in competitive events for the students and accompanying faculty members, and on-duty for preparation of competitive events will be handled by their respective departments.

Travelling allowance for students is subject to the following instructions to be followed:

a) Travel to be booked in Non-A/C Sleeper class in train or bus for State/National level participation.
b) For international level participation, Air tickets must be booked in economy class, and bookings should be made at least 4 weeks in advance.

9. Accommodation expenses to be bared by the students.

Category of Participation	Instructions
A. Participation in top 100 NIRF ranked academic institutions	• Maximum of 6 students and 1 accommodating faculty member will be allowed. • Maximum of 2 events per department only allowed in a year. • Total institutional sponsorship is 50% of approved expenses, limited to Rs. 50,000/- (including students' travelling allowances and other expenditures), and is distributed as follows: - 15% of approved expenses, limited to Rs. 15,000/-, will be provided if no prize is won in the final round. - The remaining 35% of approved expenses, limited to Rs. 35,000/-, can be reimbursed only after winning in the events. • TA/DA will be provided for faculty member as per the college norms and cadre, which is over and above the institutional sponsorship.
B. State / National level Participation in Professional bodies & International level Participation in Academic institutions/Industries	• Maximum of 2 students and 1 accommodating faculty member will be allowed. • Maximum of 2 international events per year by the college. • Total institutional sponsorship is 50% of approved expenses, limited to Rs. 5,00,000/- (including students' travelling allowances and other expenditures), and is distributed as follows: - 15% of approved expenses, limited to Rs. 1,50,000/-, will be provided if no prize is won in the final round. - The remaining 35% of approved expenses, limited to Rs. 3,50,000/-, can be reimbursed only after winning in the events. • TA/DA will be provided for faculty member as per the college norms and cadre, which is over and above the institutional sponsorship.

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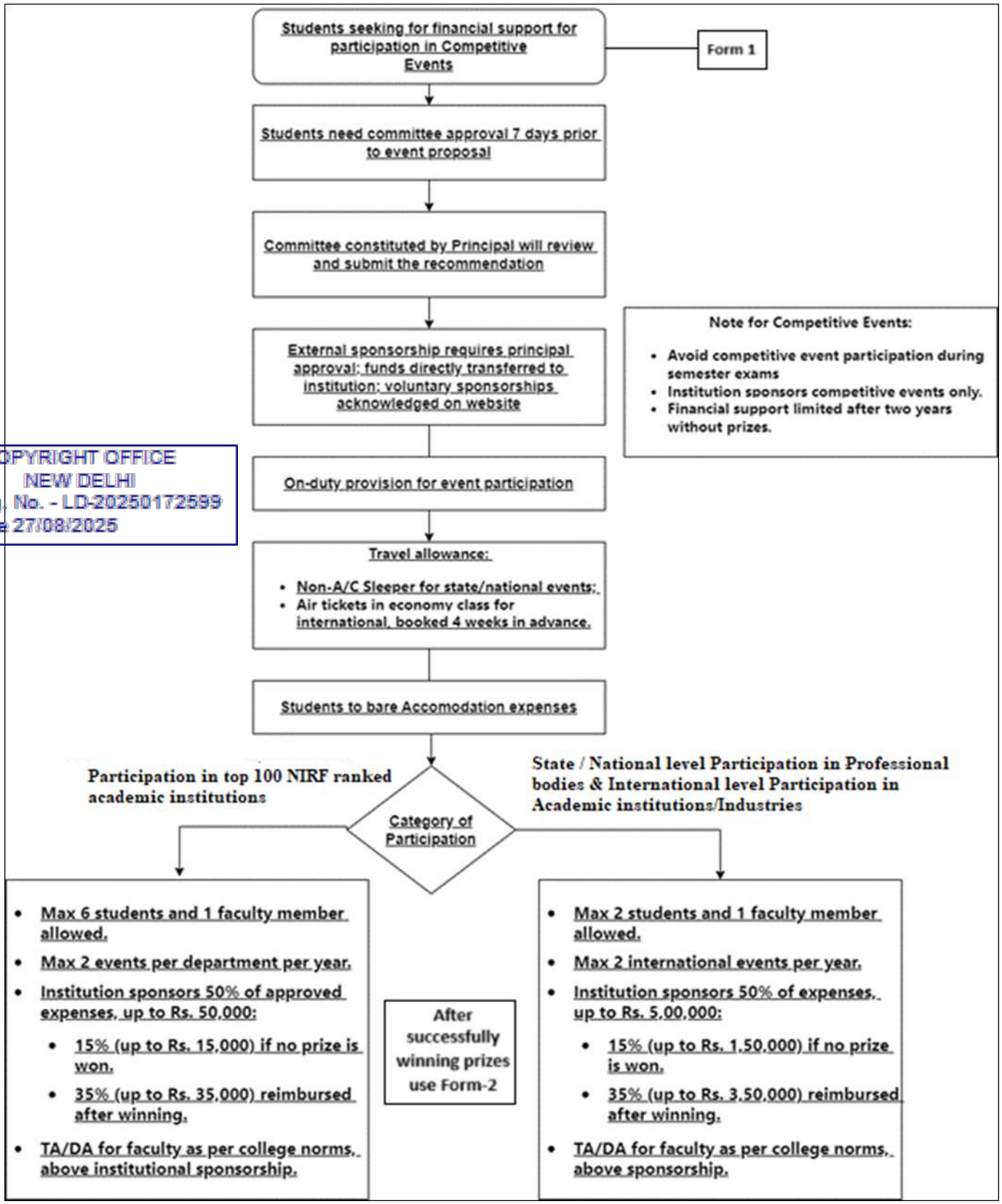
Flowchart for Students seeking financial support for participation in Competitive Events



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Template: Form 1_Student Application Form for Financial support

Dr. Mahalingam College of Engineering and Technology, Pollachi-642003.

(An Autonomous Institution) **Form - 1**

Student Application Form for Financial support to attend Competitive Events

Personal Details

Student Name	
Student Roll No.	
Department	
Year of Study & Section	
Email Address	
Mobile Number	

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Event Details

Event Name	
Event Type (State/National/International)	
Event Date(s)	
Event Location	
Organizing Body **(Attach the Event Brochure and supporting documents)**	
Event Website/Link	

Participation Details

Type of Participation (Individual/Team)	
If Team, List of Team Members. Mention their Name, Roll No. Department and class with section **(Max. 6 for State/National, Max 2 for International):**	

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Accompanying Faculty Details

Name of the Faculty	
Designation and Department	

Estimated Financial Details

Estimated Total expenses **(Please read the instructions provided below and refer the circular No. dated:)**	Rs.	
Item wise estimated expenses	Travel (Train/Bus for State/National, Air for International):	Rs.
	Registration Fees:	Rs.
	Other Expenses: (Please Specify)	Rs.
Event Sponsorship Details (if any):	Sponsor Name:	
	Amount to be Sponsored	

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Pre-Reimbursement Amount Requested

Institutional Sponsorship Requested: **(Please read the instructions provided below and refer the circular No. dated:)**	Rs.

Previous Participation Details

Event Name	
Date	
Outcome (Prize Won/Not Won)	

Student Declaration

I, _____ (Name of the student & Roll No.), hereby declare that all the information provided above is true to the best of my knowledge. I agree to abide by the norms and guidelines set by the institution for financial support. I understand that the sponsorship is contingent upon the approval of the committee and the principal.

Student's Signature: _____

Date: _____

Signature of Faculty Mentor **Signature of HoD**

Approval from the Committee:

- Date of Review Committee meeting: _____

A. Recommended for financial support as per circular ☐

B. Requested to submit revised proposal ☐

C. Not recommended ☐

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Amount Requested (in Rs.)	Amount Approved (in Rs.)	Committee Remarks	Signatures of Committee Members
			1. _____ 2. _____ 3. _____

Approval

Signature of Dean-R&I **Signature of the Vice-Principal**

Signature of the Principal

Template: Form 2_Post-Event Reimbursement Form

Dr. Mahalingam College of Engineering and Technology, Pollachi-642003.

(An Autonomous Institution)

Form - 2

Post-Event Reimbursement Form for Student Competitive events

(Applicable only if prize won in the final event)

Event Details

Event Name	
Student Name, Roll No. and Department	
Event Type (State/National/International) **(Attach the event brochure and proof of winning the event)**	
Event Date(s)	
Event Location	
Organizing Body	

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Financial Details

Total expenses	Rs.	
Item wise estimated expenses	Travel (Train/Bus for State/National, Air for International):	Rs.
	Registration Fees:	Rs.
	Other Expenses: (Please Specify)	Rs.

Post-Reimbursement Amount Requested

Pre-reimbursement amount obtained earlier* (in Rs.)	Post-Reimbursement amount requested now (in Rs.) (only after winning prizes in final)	Total Institutional Sponsorship (pre-reimbursement + post-reimbursement) (in Rs.)

*** Attach the Approved Application form and also carefully read the instructions provided below and refer the circular No. dated:**

Student's Signature: _____

Date: _____

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Date 27/08/2025

Signature of Faculty Mentor **Signature of HoD**

Verification by MCET Office:

For office use only

Submitted details are verified (satisfies 15% and 35% conditions) and as per the circular No. dated ☐

Comments (if any):

Signature of MCET Office i/c

Approval

Signature of Dean-R&I **Signature of the Vice-Principal**

Signature of the Principal

3.6 Facilitating Faculty For Online NPTEL - Swayam Certifications

Facilitating faculty participation in online NPTEL-Swayam certifications provides a valuable platform for enhancing research knowledge and skills in innovation and design. Reimbursement will be provided for faculty successfully clearing NPTEL courses, further encouraging participation.

Congratulatory posters are designed to honor the achievements of faculty members, highlighting their hard work and success. These vibrant displays not only celebrate their accomplishments but also inspire others to pursue excellence and follow in their footsteps.

Courses such as Innovation by Design, Design, Technology and Innovation, and Effective Writing foster critical thinking and creativity. Additionally, modules like Introduction to Research/Research Methodology and Patent Search for Engineers and Lawyers provide essential tools for academic and industrial research.

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The course, Introduction on Intellectual Property to Engineers and Technologists empowers engineers and technologists to navigate patent creation and protection. The Roadmap for Patent Creation and Patent Drafting for Beginners further build foundational expertise for aspiring innovators. By recognizing their contributions, the posters create a positive, motivating environment that encourages further growth and participation.

3.7 Facilitating Faculty to attend Faculty Development Programmes

Supporting faculty participation in development programs from reputed institutions enhances professional growth and academic excellence. The process begins with identifying relevant programs that align with faculty members' expertise and institutional goals. Faculty members are encouraged to apply for these programs through institutional support, which may include financial assistance, leave approvals, or mentorship.

Once enrolled, faculty engage in high-quality training that helps them refine teaching methodologies, expand research expertise, and stay updated with emerging trends. These programs also promote innovative teaching strategies, improving student learning experiences. Additionally, networking opportunities foster collaboration, enabling faculty to exchange ideas and initiate interdisciplinary research.

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After completing the program, faculty members share their insights through knowledge-sharing sessions, workshops, or curriculum enhancements, ensuring the acquired expertise benefits the institution as a whole.

3.8 Facilitating Faculty to become Authorized Expert by Govt. Agencies to carryout Consultancy Works

Facilitating faculty to become authorized experts through government certifications, such as the Indian Patent Agent Examination or the Energy Manager Certification Examination, enhances their professional credentials and consultancy capabilities. The process begins with identifying faculty members interested in such certifications and providing institutional support through financial assistance, study materials, and guidance.

To aid in preparation, coaching sessions are organized by inviting external experts with extensive knowledge in the respective domains. These sessions equip faculty with the necessary skills and insights required to excel in the examinations. Additionally, peer discussions and mock tests are conducted to reinforce learning and boost confidence.

Upon certification, faculty members can offer specialized consultancy services, contributing to both academic research and industry advancements. They can guide students, collaborate on government and corporate projects, and play a crucial role in knowledge transfer. By supporting faculty in achieving these credentials, institutions strengthen their academic reputation and create opportunities for innovation and industry engagement.

3.9 Rewarding Faculty for Research Contributions

Recognizing and rewarding faculty for their research contributions in areas such as publications, patents, consultancy, Ph.D. completion, Ph.D. supervision, and securing external funding fosters a culture of academic excellence. The process begins with tracking faculty achievements through a structured evaluation system, ensuring that their contributions are acknowledged in a transparent and timely manner.

Faculty members who excel in research and innovation are honored through appreciation posters that highlight their accomplishments, serving as motivation for their peers and students. Additionally, periodic incentives, such as financial rewards, grants, or professional development opportunities, are provided to further encourage their efforts. Institutions may also organize recognition events, where faculty members are formally acknowledged for their contributions, fostering a sense of achievement and pride.

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Beyond individual recognition, this initiative strengthens the institution's research ecosystem by inspiring continued innovation and collaboration. Encouraging faculty to engage in high-impact research not only enhances institutional rankings but also contributes to industry partnerships and societal advancements. By consistently supporting and rewarding research excellence, institutions cultivate an environment where faculty members remain motivated to push the boundaries of knowledge and academic growth.

3.10 Purchasing R&I Tools for Plagiarism & Grammar Checking

Turnitin Campus Access software, Quillbot Premium, Canva Premium, and Grammarly Premium—are provided to faculty members to enhance their research contributions. Turnitin ensures originality in academic work, Quillbot aids in refining ideas and improving clarity, Canva enables visually impactful presentations and publications, while Grammarly ensures error-free and polished writing. It is mandatory in central library, Dean RI office and departments to maintain the usage register using the below template and we request the HoDs/in-charges to monitor and sign the register in periodic basis.

Table 3.10.1 Usage Register

S.No.	Name & Designation	Emp. ID/Roll No.	Date	Title of the Document	Type of Document (Journal/ Conference/ Funding/Patent	Ver1/Ver2/ Ver3 of the Document	Signature of the Faculty/ Students

Together, these tools support faculty in producing high-quality, well-crafted research outputs.

3.11 Facilitating Subscriptions for Printed & E-Journals

Facilitating subscriptions for printed and e-journals ensures seamless access to high-quality academic resources, supporting research, learning, and innovation. The process begins with identifying relevant national and international journals and e-databases based on faculty and student requirements. Institutions allocate budgets and collaborate with publishers or digital platforms to secure cost-effective subscriptions.

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Once subscribed, access to journals and databases is provided through institutional networks, library portals, or remote login systems, ensuring convenience for users. Faculty and students can utilize these resources to stay updated with the latest advancements, enhancing their research and academic pursuits. Training sessions or orientation programs may be conducted to familiarize users with available resources and search techniques.

By maintaining a well-curated collection of academic materials, institutions strengthen their research ecosystem and support interdisciplinary learning. The availability of both printed and digital formats ensures flexibility, allowing users to engage with scholarly content efficiently. This initiative fosters academic excellence by equipping researchers with reliable and comprehensive information essential for innovation and knowledge development.

B. RESEARCH REVIEW & MONITORING

3.12 Periodic Review of Departments' R & I Activities

Periodic review of departments' Research and Innovation (R&I) activities ensures alignment with strategic goals, identifies areas for improvement, and fosters continuous growth. Department-wise reviews are conducted by the Dean of R&I along with the Department Head and faculty members twice in a semester and four times a year. These reviews help optimize resource allocation, track progress, and enhance collaboration. Faculty members' research details are obtained through the faculty summary template, and review meetings have been conducted as per the scheduled date and time. Department wise detailed minutes of the meeting is prepared and circulated among faculty members of the department concerned. It sets various targets for the faculty members in order to advance their personal and institutional growth. Research contributions are actively monitored during these reviews, promoting accountability and driving departments to meet set targets. A consolidated department review report will be shared with departments for their reference and follow-up. Ultimately, these reviews enable the adoption of best practices, boosting overall R&I performance and impact. The review process templates are provided below:

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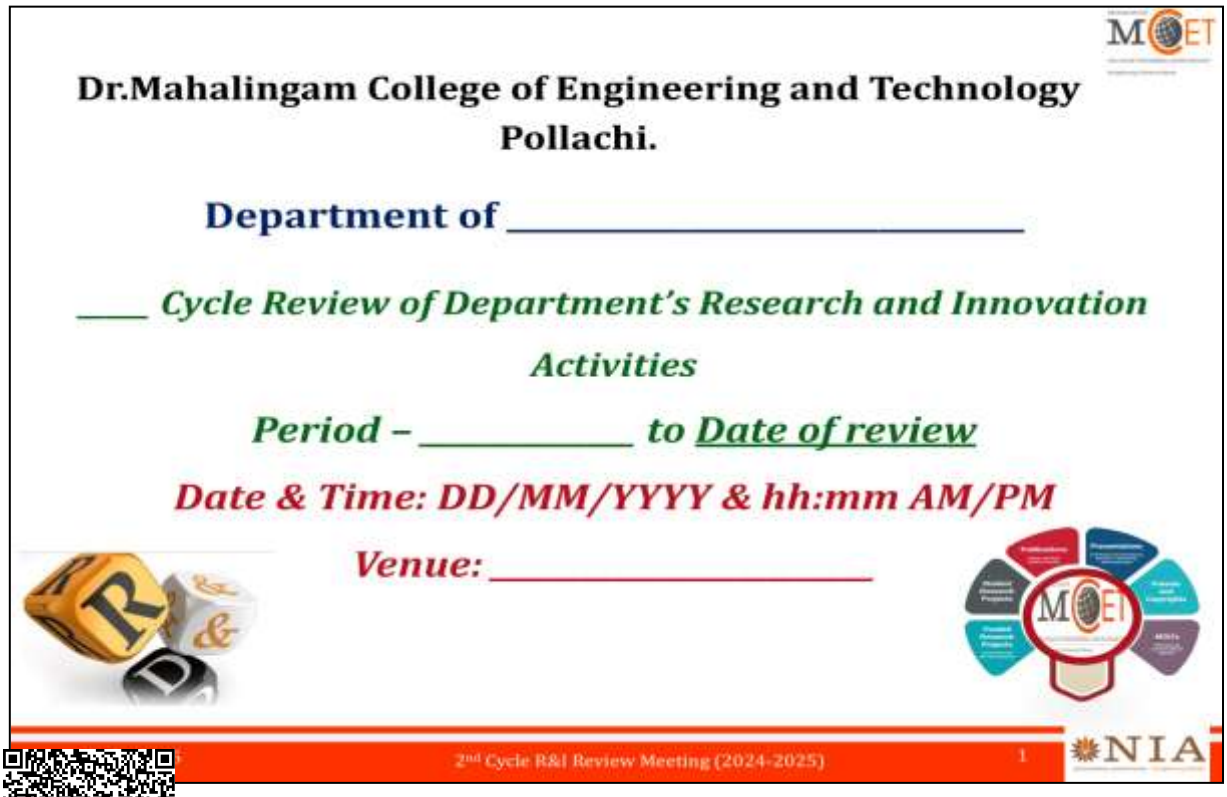
3.12.1 Department R&I review PPT Template:



Department Summary (Duration:)

S.No	Parameters	Target		Achieved till date	Gap (Target-Achieved till date)
		Single Intake	Double Intake		
1.	No. of Papers published in Q1 Indexed Journal	per AY-5 Till date-3	per AY-10 Till date-5		
2.	No. of Papers published in SCIE Indexed Journal	per AY-10 Till date-5	per AY-20 Till date-10		
3.	No. of Papers published in Scopus Indexed Journal	per AY-5 Till date-3	per AY-10 Till date-5		
4.	No. of publication in Scopus Indexed Books	per AY-2 Till date-1	per AY-4 Till date-2		
5.	No. of publication in Scopus Indexed Book Chapters	per AY-5 Till date-3	per AY-10 Till date-5		
	No. of projects published in Indexed conferences	per AY-20 Till date-10	per AY-40 Till date-20		

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Department Summary (Duration:)

S.No	Parameters	Target		Achieved till date	Gap (Target-Achieved till date)
		Single Intake	Double Intake		
7.	No. of Indexed submissions in Q1 Indexed Journal	per AY: Q1 Journal: 10 Till date: Q1 Journal: 5	per AY: Q1 Journal: 20 Till date: Q1 Journal: 10		
8.	No. of Indexed submissions in SCIE Indexed Journal	per AY: SCIE: 20 Till date: SCIE: 10	per AY: SCIE: 40 Till date: SCIE: 20		
9.	No. of Indexed submissions in Scopus Indexed Journal	per AY: Scopus: 10 Till date: Scopus: 5	per AY: Scopus: 20 Till date: Scopus: 10		
10.	No. of Indexed submissions in Books	per AY-2 Till date-1	per AY-4 Till date-2		
11.	No. of Indexed submissions in Book Chapters	per AY-5 Till date-3	per AY-10 Till date-5		
12.	No. of Indexed submissions in Conferences	per AY-20 Till date-10	per AY-40 Till date-20		

Department Summary (Duration:)

S.No	Parameters	Target		Achieved till date	Gap (Target-Achieved till date)
		Single Intake	Double Intake		
13.	No. of Patents Filed	per AY-6 Till date-3	per AY-12 Till date-6		
14.	No. of Patents Granted	per AY-2 Till date-1	per AY-4 Till date-2		
15.	No. of Design Filed	per AY-10 Till date-5	per AY-20 Till date-10		
16.	No. of Design Granted	per AY-7 Till date-4	per AY-14 Till date-7		
17.	No. of Copyright Filed	per AY-6 Till date-3	per AY-6 Till date-3		
18.	No. of Copyright Registered	per AY-6 Till date-3	per AY-6 Till date-3		
19.	No. of Funded project submissions	per AY:8 Till date-4	per AY:16 Till date-8		
20.	Total Amount for Funded Project Proposals	INR 10 Lakhs to be fetched Till date-5L	INR 20 Lakhs to be fetched Till date-10L		
	[illegible] Generated	INR 3 Lakhs (per AY) Till date- 1.5L	INR 6 Lakhs (per AY) Till date-3L		

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Department Summary (Contd..) (Duration:)

S.No.	Parameters	Target Calculation (for both Single & Double Intake)	Total Target (Till date)	Total Achieved till date	Gap (Target (till date)-Achieved (till date))
22.	Research Target of the dept. (Cadre wise)	A: No.of Profs. X 200(Till date) Per AY:400			
		B: No.of ASPs X 175 (Till date) Per AY:350			
		C: No.of APs(SG) X 150(Till date) Per AY:300			
		D:No.ofAPs(SS)X125(Till date) Per AY:250			
		E: No. of APs X 100(Till date) Per AY:200			
	Research Target of the department	Department Research points= A+B+C+D+E			

Department Summary (Contd..)
(Batch:) IV Year Project batch Status

S.No.	Parameters	Particulars		Count			
23.	Final Year Project Publication status	Total No. of batches:					
		No. of batches involved in:		Not Submitted	Submitted	Accepted/ Filed	Published
		Journal Publications	Scopus indexed				
			UGC-Care				
		Book-chapter	Scopus indexed				
		Conference	Scopus indexed				
		Patent	Design				
			Utility				
		Journal/ Conference	Non-indexed	Strongly discouraged, should be zero			

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(Batch:) IV Year Project batch Publication status

S.No.	Name of the Guide and Designation	No. of batches assigned	Mention Publication Type (Journal/UGC Care/Conference/ Book-chapter/Patent) & Mention Indexing Type	Status (Not Submitted/ Submitted/ Accepted or Filed/ Published)
1.			Batch 1:	
			Batch 2(if appl.):	
2.			Batch 1:	
			Batch 2(if appl.):	
3.			Batch 1:	
			Batch 2(if appl.):	

Details of papers published in Indexed Journals (Duration:)

Target	Single Intake	Double Intake
No. of Q1 Publications	per AY-5 Till date-3	per AY-10 Till date-5
No. of SCIE	per AY-10 Till date-5	per AY-20 Till date-10
No. of Scopus	per AY-5 Till date-3	per AY-10 Till date-5

S.No.	List of the Authors	Title of the Paper	Name of the Journal	Name of the Publisher	Month & Year of Publication	Indexing (Q1/SCIE/ Scopus) & AU Annexure list(Y/N)
1.						
2.						
3.						
4.						

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Details of papers submitted in Indexed Journals (Duration:)

Target	Single Intake	Double Intake
No. of Q1 Publications	per AY-10 Till date-5	per AY-20 Till date-10
No. of SCIE	per AY-20 Till date-10	per AY-40 Till date-20
No. of Scopus	per AY-10 Till date-5	per AY-20 Till date-10

S.No.	List of the Authors	Title of the Paper	Name of the Journal	Name of the Publisher	Date of Submission	Status (Under Review/ Under Revision (R1/R2)/ Accepted)
1.						
2.						
3.						
4.						
5.						

Details of Published Indexed Books/Book Chapters
(Duration:)

Target	Single Intake	Double Intake
No. of Books	per AY-2 Till date-1	per AY-4 Till date-2
No. of Book chapters	per AY-5 Till date-3	per AY-10 Till date-5

S.No.	List of the Authors	Title of the Book	Title of the Book Chapter (if applicable)	Name of the Publisher & ISBN Number	Month & Year of Publication	Scopus Indexing (Yes/No)
1.						
2.						
3.						
4.						

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Details of Submitted Indexed Book/Book Chapters
(Duration:)

Target	Single Intake	Double Intake
No. of Books	per AY-2 Till date-1	per AY-4 Till date-2
No. of Book chapters	per AY-5 Till date-3	per AY-10 Till date-5

S.No.	List of the Authors	Title of the Book	Title of the Book Chapter (if applicable)	Name of the Publisher	Date of Submission	Status (Under Review/ Under Revision/ Accepted)
1.						
2.						
3.						
4.						
5.						

Details of papers published in Indexed Conferences (Duration:)

Target	Single Intake	Double Intake
No. of Conferences	per AY-20 Till date-10	per AY-40 Till date-20

S.No.	List of the Authors	Title of the Paper	Name of the Conference	Name of the Organizer	Month & Year of Publication	Scopus Indexing (Yes/No)
1.						
2.						
3.						
4.						
5.						

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Details of papers submitted in Indexed Conferences (Duration:)

Target	Single Intake	Double Intake
No. of Conferences	per AY-20 Till date-10	per AY-40 Till date-20

S.No.	List of the Authors	Title of the Paper	Name of the Conference	Name of the Organizer	Date of Submission	Status (Under Review/ Accepted/ Registered)
1.						
2.						
3.						
4.						
5.						

Details of Filed/Granted Patents
(Duration:)

Target	Single Intake	Double Intake
Number of Patent Filed/Published	per AY-6 Till date-3	per AY-12 Till date-6
Number of Patent Granted	per AY-2 Till date-1	per AY-4 Till date-2

S.No.	List of the Inventors	Title of the Patent	Application No.	Date of Filing	Grant No. (if granted)
1.					
2.					
3.					
4.					

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Details of Filed/Granted Design Patents
(Duration:)

Target	Single Intake	Double Intake
Number of Patent Filed/Published	per AY-10 Till date-5	per AY-20 Till date-10
Number of Patent Granted	per AY-7 Till date-4	per AY-14 Till date-7

S.No.	List of the Inventors	Title of the Design Patent	Application No.	Date of Filing	Grant No. (if granted)
1.					
2.					
3.					
4.					
5.					

Details of Filed/Granted Copyrights (Duration:)

Target	Single Intake	Double Intake
Number of Patent Filed/Published	per AY-6 Till date-3	per AY-6 Till date-3
Number of Patent Granted	per AY-6 Till date-3	per AY-6 Till date-3

S.No.	List of the Inventors	Title of the Copyright	Application No.	Date of Filing	Copyright Reg. No. (if registered)
1.					
2.					
3.					
4.					
5					

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Details of completed External funded projects (Duration:)

Target	Single Intake	Double Intake
No. of Funded Projects	per AY:8 Till date-4	per AY:16 Till date-8
Total Amount for Funded Project Proposals	INR 10 Lakhs to be fetched Till date-5L	INR 20 Lakhs to be fetched Till date-10L

S.No.	Details of Completed External funded Projects (Name of the PI/ Co-PI, Title of Project, Funding Agency & Scheme, Sanctioned Amount & Date, Duration and Status(UC sent/Final technical report sent, etc.,)
1.	Duration: Sanctioned amount: Status:
2.	Duration: Sanctioned amount: Status:

Details of ongoing External funded projects (Duration:)

Target	Single Intake	Double Intake
No. of Funded Projects	per AY:8 Till date-4	per AY:16 Till date-8
Total Amount for Funded Project Proposals	INR 10 Lakhs to be fetched Till date-5L	INR 20 Lakhs to be fetched Till date-10L

S.No.	Details of Ongoing External funded Projects (Name of the PI/ Co-PI, Title of Project, Funding Agency & Scheme, Sanctioned Amount & Date and Duration)
1.	Duration: Sanctioned amount: Status:
2.	Duration: Sanctioned amount: Status:

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Details of submitted External funded projects (Duration:)

Target	Single Intake	Double Intake
No. of Funded Projects	per AY:8 Till date-4	per AY:16 Till date-8
Total Amount for Funded Project Proposals	INR 10 Lakhs to be fetched Till date-5L	INR 20 Lakhs to be fetched Till date-10L

S.No.	Investigators details/ Coordinators	Project title/ Seminar/FDP/ Workshop/..	Name of the Scheme & Funding Agency	Date of Submission	Amount Requested (in Rs.)	Status (submitted/ presentation completed/ sanctioned/ not sanctioned)
1.	PI/Coordinator: Co-PI/Co-Coord.:					
2.	PI/Coordinator: Co-PI/Co-Coord.:					
3.	PI/Coordinator: Co-PI/Co-Coord.:					
4.	PI/Coordinator: Co-PI/Co-Coord.:					
5.	PI/Coordinator: Co-PI/Co-Coord.:					

Details of Consultancy works Ongoing/Completed (Duration:)

Target	Single Intake	Double Intake
No. of Consultancy Projects	INR 3 Lakhs (per AY) Till date-1.5L	INR 6 Lakhs (per AY) Till date- 3L

S.No.	List of Faculty members	Title of the Project	Client details	Amount Generated (Rs.)	Date of completion/ Expected date of completion
1.					
2.					
3.					
4.					
5.					

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Faculty wise Research Points Target (Duration:)

S.No.	Name of the Faculty & Designation	Research Points Earned for Publications	Research Points Earned for IPR	Total Research Points Earned	Target Fixed (Till Date)	Gap

Read the instructions carefully for Research points and targets provided in the following link:
https://drmcet.ac.in/wp-content/uploads/2024/08/Research-points-and-Targets.pdf

Faculty Research Contributions (Duration:)

<Photo>

<<Name of the faculty and Designation>>

2022-2023			2023-2024			2024-2025 (Ongoing)		
Target fixed	Earned	Gap	Target fixed	Earned	Gap	Target fixed	Earned	Gap

Table 1: Major Research Points

S.No.	Category	Research Points per contribution	Research points earned		2024-2025		
			2022-2023	2023-2024	No. of publications	No. of authors	Research points earned
1.	Publication in Q1 Journal	100					
2.	Publication in SCIE Journal	60					
3.	Publication in Scopus indexed Journal	40					
4.	Publication in indexed conf. and Book chapters from reputed publishers	20					
5.	Book published in reputed National or International Publisher with ISSN No.	50					
6.	Patent Filing	20					
7.	Design Filing	15					
8.	Copyright Filing	10					
9.	Patent Grant	100					
10.	Design Grant	30					
11.	Copyright Registered	20					

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Read the instructions carefully for Research points provided in the following link:
https://drmcet.ac.in/wp-content/uploads/2024/08/Research-points-and-Targets.pdf

Faculty Research Contributions (Duration:)

<<Name of the faculty and Designation>>

Table 1: Major Research Points

S.No.	Category	Research Points per contribution	Research points earned		2024-2025 (Ongoing)		
			2022-2023	2023-2024	No. of Co-PI	Sanctioned amount	Research points earned
12.	Consultancy and Funded Project (10 points for every 1 Lakh)	10					
	Table 2: Minor Research Points						
1.	Seminar Grant sanctioned and received (10 points for 1 Lakh)	10					
2.	Funded Project – Submitted PI-5 points, CO-PI:2 points.	5					
	Research Supervisor						
3.	Guideship	5					
	Ongoing Scholars(5 points per scholar)	5					
	Completed Scholars (50 points per scholar)	50					
	Research related STTP/FDP (NPTEL excluded)/ Seminar/Workshop attended (Physical mode & External)						
4.	Minimum 2 days	5					
	1 Week	10					
	2 Weeks & above	15					

Faculty Research Contributions (Duration:)

<<Name of the faculty and Designation>>

S.No.	Category	Research Points per contribution	Research points earned		
			2022-2023	2023-2024	2024-2025
	Acted as Resource Person for Research level topics				
5.	Course modules developed for online content in Swayam-NPTEL, Coursera (for 1 hour)	5			
	Reputed academic insts. from abroad, top NIRF-ranked govt and govt- aided institutions (Online)	5			
	Reputed academic insts. from abroad, top NIRF-ranked govt and govt- aided institutions(Offline)	10			
	Industries (Online)	10			
	Industries (Offline)	20			
	Research related NPTEL/Coursera Certifications (for every 4 week-5 points)				
6.	Successfully completed 4 Weeks	5			
	Successfully completed 8 Weeks	10			
	Successfully completed 12 Weeks	15			
	Domain Certification	50			
	Awards Received related to Research & Innovation				
7.	from our Institution	5			
	from top NIRF- ranked government and government-aided academic institutions, NPTEL Star performers/Topper certificate	10			
	from academic institutions in abroad/ Industry /Scientific bodies	30			
	from Government Agencies-State/ National Awards	40			

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Faculty Research Contributions (Duration:)

<<Name of the faculty and Designation>>

S.No.	Category	Research Points per contribution	Research points earned		
			2022-2023	2023-2024	2024-2025
	Table 3: Research points for facilitating RI Activities				
1.	Organizing International Conferences (100 points to be shared among organizing secretary and core committee members, Max:5 members)	100			
2.	Becoming Authorized expert for carrying out in consultancy (By Govt agencies) (like certified energy auditor, certified patent agent, etc.,)	50			
3.	Successfully developed innovative projects useful for the institution/Successfully guiding Students for inhouse R&D projects/completing faculty in house R&D projects (10 points per project)	10			
4.	Organizing Research Workshops /conferences/KSS/SRC/Research related events (5 points per day)	5			
5.	Resource person for Knowledge Sharing Sessions (KSS)	5			
6.	Liaising for funded projects and consultancy works (5 points for every 2L received)	5			

Year	Target Fixed	Table 1-Major(Earned)	Table 2-Minor(Earned)	Table 3-Facilitation (earned)	Total Earned	Gap
2022-2023						
2023-2024						
2024-2025						

R&I Budget
(Duration:)

S. No	Particulars	Total (in Rs.)		
		Allotted	Utilized	Balance
5. Research and Development				
a.	Research Activities (including RI Incentive) - Staff			
b.	Research Activities - Students (students projects & research activities)			
c.	In-House Research Project			
d.	Expenses towards Patent Drafting, filing etc.,			
e.	Institute Innovation Cell Activities			
f.	Fees to University - Research Centre (Fresh / Renewal)			
g.	Student Participation in Seminar / Workshop / Conference / Competitive Events etc., (registration fees, TA/ DA etc.,)			
	Total(in Rs.)			

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R&I Budget
(Duration:)

S. No	Particulars	Total (in Rs.)		
		Allotted	Utilized	Balance
5. Research and Development				
a.	Research Activities (including RI Incentive) - Staff			
b.	Research Activities - Students (students projects & research activities)			
c.	In-House Research Project			
d.	Expenses towards Patent Drafting, filing etc.,			
e.	Institute Innovation Cell Activities			
f.	Fees to University - Research Centre (Fresh / Renewal)			
g.	Student Participation in Seminar / Workshop / Conference / Competitive Events etc., (registration fees, TA/ DA etc.,)			
	Total(in Rs.)			

3/31/2025 2nd Cycle R&I Review Meeting (2024-2025) 27

3.12.2 Minutes of the Meeting Template

Dr. MAHALINGAM COLLEGE OF ENGINEERING & TECHNOLOGY, POLLACHI-642003
Office of Dean Research and Innovation

____ Cycle Review of Department's Research and Innovation Activities

_____ to _____ (till date)

Department of _____

Date & Time: **Venue:**

Minutes of Meeting

Members attended:

S.No.	Name of the Faculty	Designation	Signature
1			
2			
3			
4			
5			

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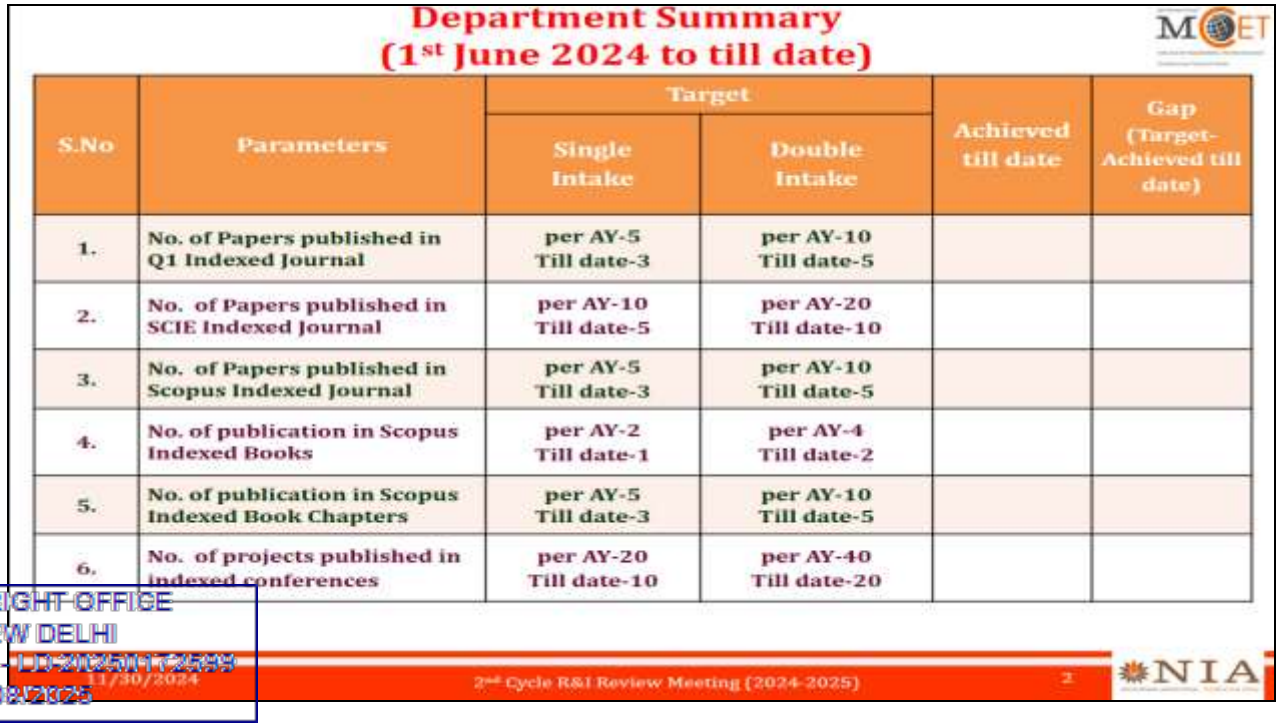
General Points Discussed:

Points Discussed
•

Points for further follow-up and Action:

Points for follow-up and Action
•

Department Summary:



Department Summary
(1st June 2024 to till date)

S.No	Parameters	Target		Achieved till date	Gap (Target-Achieved till date)
		Single Intake	Double Intake		
1.	No. of Papers published in Q1 Indexed Journal	per AY-5 Till date-3	per AY-10 Till date-5		
2.	No. of Papers published in SCIE Indexed Journal	per AY-10 Till date-5	per AY-20 Till date-10		
3.	No. of Papers published in Scopus Indexed Journal	per AY-5 Till date-3	per AY-10 Till date-5		
4.	No. of publication in Scopus Indexed Books	per AY-2 Till date-1	per AY-4 Till date-2		
5.	No. of publication in Scopus Indexed Book Chapters	per AY-5 Till date-3	per AY-10 Till date-5		
6.	No. of projects published in indexed conferences	per AY-20 Till date-10	per AY-40 Till date-20		

11/30/2024 2nd Cycle R&I Review Meeting (2024-2025) 2

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(Kindly paste the screenshot from the presentation slides after the review)

Photos taken during Review meeting:

Prepared by **HoD** **Dean R&I**

3.12.3 Consolidated Report of ___ Cycle Review of Departments' Research and Innovation Activities

Front Cover

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Established in 1998 • An Autonomous Institution Since 2011
Pollachi, Coimbatore

NM 100

Office of Dean Research & Innovation

__ cycle Departments' R&I Review Report

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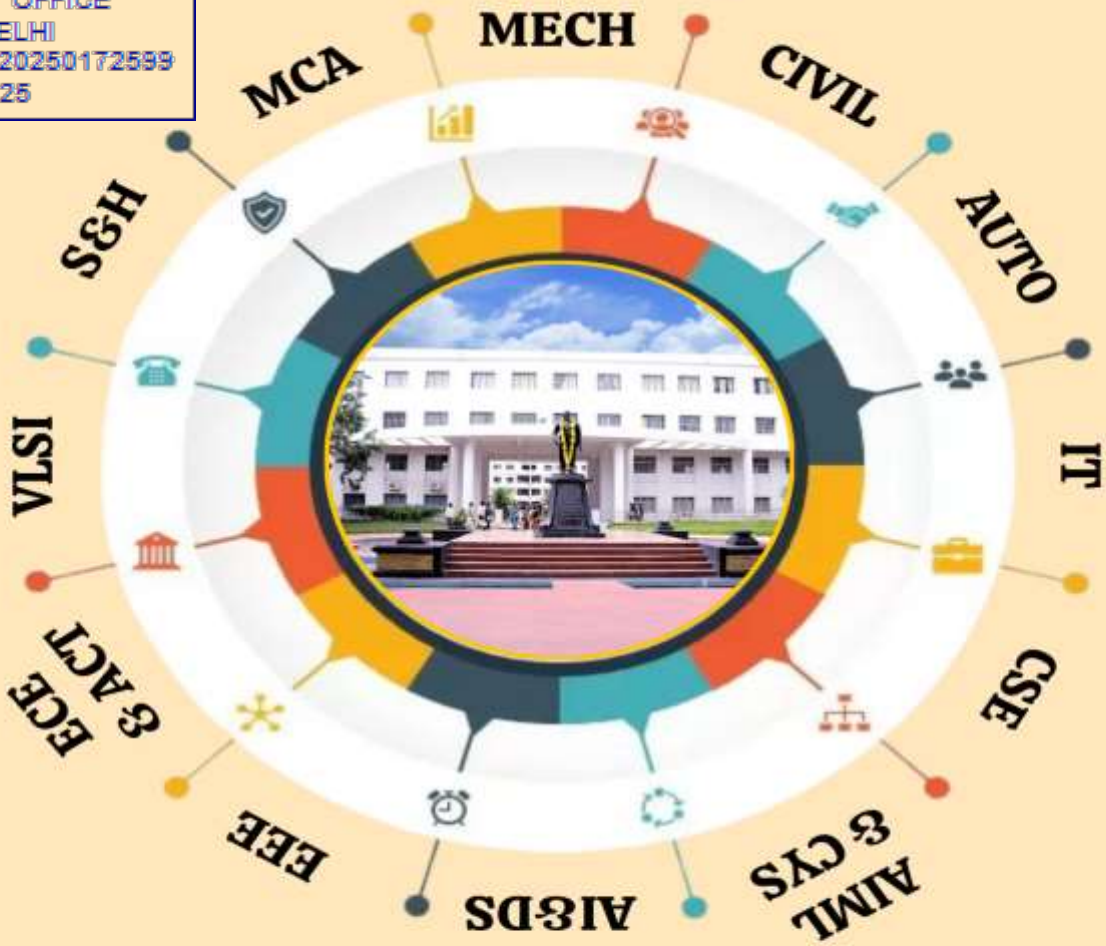

AY: _____

Duration

CONTENTS

S.No.	Particulars	Page No.
1.	R&I Review Meeting Schedule	
2.	An Overview of Research and Innovation Activities: A Comprehensive Review and Gap Analysis.	
3.	Comparative Research statistics with last 3 Academic Years	
4.	Department wise Research point comparison	
5.	Details of Department-wise Research Publications	
6.	Details of Department-wise Research Submissions	
7.	Details of IPR Filed/Granted	
8.	Details of External Funding Project Proposal Submission	
9.	Details of Consultancy	
10.	Research Points of the dept. (Cadre wise)	
11.	General Points discussed during RI Review Meeting	
12.	Points for further follow-up and Action	
13.	Photos taken during the review meeting	

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1. R&I Review Meeting Schedule

Table 3.12.1: Department wise R & I review meeting schedule

S.No.	Date	Department	Time	R&I Coordinator	No. of Faculty attended
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					

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2. An Overview of Research and Innovation Activities: A Comprehensive Review and Gap Analysis

Table 3.12.2: Overview of Institute Level R& I consolidated Report

S.No.	Publications	Institution Target (June 2024 – May 2025)	Institution Target (June 2024 – 22nd Aug 2024)	Achieved	Gap
1	No. of Papers published in Q1 Indexed Journal				
2	No. of Papers published in SCIE/Scopus Indexed Journal				
3	Number of publications in Scopus Indexed Book				
4	Number of publications in Scopus Indexed Book Chapter				
5	Number of projects published in indexed conferences				
6	No. of Indexed submissions in Q1 Indexed Journal				
7	No. of Indexed submissions in SCIE/Scopus Indexed Journal				
8	No. of Indexed submissions in Scopus Indexed Conferences				
9	Number of Patents Filed				
10	Number of Patents Granted				
11	Number of Design Patents Filed				
12	Number of Design Patents Granted				
13	Number of Copyrights Filed				
14	Number of Copyrights Registered				
15	Number of Funded projects submission				
16	Number of Consultancy Projects				

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3. Comparative Research statistics with last 3 Academic Years

Table 3.12.3: Comparative Research statistics with last 3 Academic Years

S.No	Parameter	2021-22	2022-23	2023-24	Last 3 year Avg.	2024-25 (21% of Annual avg.)	Difference
1	No. of Papers published in Indexed Journal						
2	No. of publication in Indexed Book & Book Chapter						
3	No. of publications in indexed conferences						
4	No. of Patents						
5	No. of External funded projects						
6	No. of Consultancy Projects						
7	No. of PhD Scholars (Internal & External)						

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Fig. 3.12.1 Comparative Research statistics with last 3 Academic Years (Bar chart representation)

4. Dept. wise Comparison of Research Publications and IPRs

Table 3.12.4: Comparison of Research Publications and IPRs

S.No.	Name of the Department	Research Points Earned per faculty for Publications	Research Points Earned per faculty for IPR	Total Research Points
1	Mech			
2	Auto			
3	Civil			
4	ECE & ACT			
5	VLSI			
6	EEE			
7	CSE			
8	IT			
9	AIDS			
10	AIML			
11	CYS			
12	MCA			
13	S&H			
Total				

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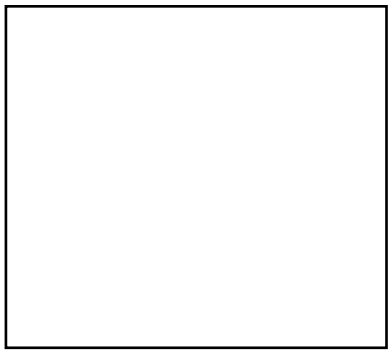

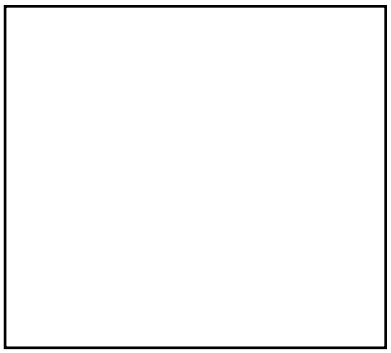

Fig.3.12.2 Dept. wise Comparison of Research Publications and IPRs-Bar chart and Heat map representation for Types of Research publications and IPR

5. Department-wise Research Publications

Table 3.12.5: Details of Q1/SCIE/Scopus/Book/Book Chapters/Conferences Publications

S.No.	Name of the Department	No. of Journal Publications			No. of Book Publications	No. of Book Chapter Publications	No of Indexed Conferences	Total	Gap
		Q1	SCIE	Scopus					
1	Mech								
2	Auto								
3	Civil								
4	ECE & ACT								
5	VLSI								
6	EEE								
7	CSE								
8	IT								
9	AIDS								
10	AIML								
11	CYS								
12	MCA								
13	S&H								
Total									

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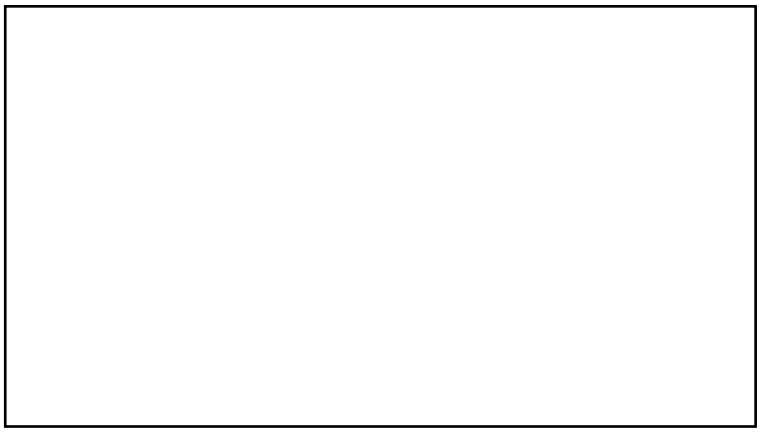

Fig.3.12.3 Target and Gap analysis of Research Publications

(Bar chart representation)

6. Department-wise Research Articles Submissions

Table 3.12.6: Details of Q1/SCIE/Scopus/Book/Book Chapters/Conferences Submissions

S.No.	Name of the Department	No. of Journal Submissions			No. of Book Submissions	No. of Indexed Book Chapter Submissions	No of Indexed Conference Submissions	Total	Gap
		Q1	SCIE	Scopus					
1	Mech								
2	Auto								
3	Civil								
4	ECE & ACT								
5	VLSI								
6	EEE								
7	CSE								
8	IT								
9	AIDS								
10	AIML								
11	CYS								
12	MCA								
13	S&H								
Total									

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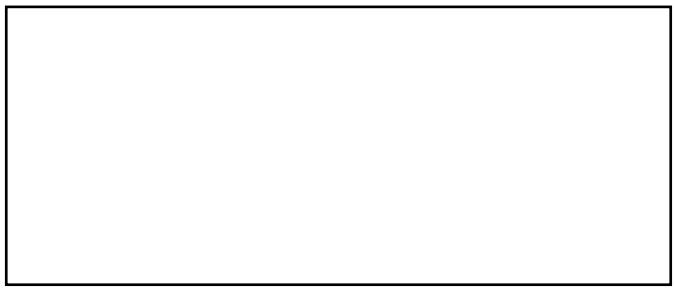

Fig.3.12.4 Target and Gap analysis of Research Articles Submissions

(Bar chart representation)

7. Department-wise Details of IPRs

Table 3.12.7: Details of Intellectual Property Rights

S.No	Name of the Department	Patent		Design		Copyright		Total	Gap
		Filed	Granted	Filed	Granted	Filed	Registered		
1	Mech								
2	Auto								
3	Civil								
4	ECE & ACT								
5	VLSI								
6	EEE								
7	CSE								
8	IT								
9	AIDS								
10	AIML								
11	CYS								
12	MCA								
13	S&H								
Total									

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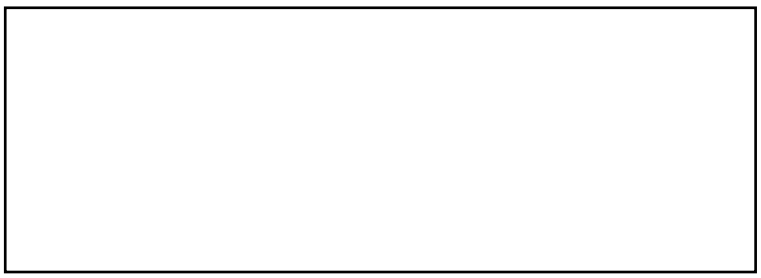

Fig.3.12.5 Target and Gap analysis of IPRs

(Bar chart representation)

8. External Funding Project Proposal Submission

Table 3.12.8: Details of External Funding Projects

S.No	Name of the Department	No. of External Funded Projects	Ongoing Funded Projects	
		Submitted	Amount Sanctioned	Amount Released
1	Mech			
2	Auto			
3	Civil			
4	ECE & ACT			
5	VLSI			
6	EEE			
7	CSE			
8	IT			
9	AIDS			
10	AIML			
11	CYS			
12	MCA			
13	S&H			
Total				

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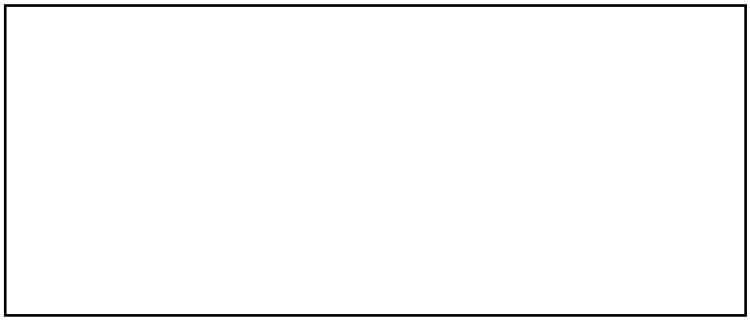

Fig.3.12.6 shows the target and gap analysis of submission of funded projects.

(Pie-chart representation)

9. Consultancy

Table 3.12.9: Details of Consultancy

S.No	Name of the Department	No. of Consultancy			Revenue generated 2024 – till date (If completed) in Lakhs
		Submitted	Completed	Ongoing	
1	Mech				
2	Auto				
3	Civil				
4	ECE & ACT				
5	VLSI				
6	EEE				
7	CSE				
8	IT				
9	AIDS				
10	AIML				
11	CYS				
12	MCA				
13	S&H				
Total					

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Fig.3.12.7 shows the target and gap analysis of Consultancy works carried out

(Pie-chart representation)

10. Research Points of the dept. (Cadre wise)

Table 3.12.10: Details of Research Points of the dept. (Cadre wise)

S.No	Department	Prof.(400)		ASP &AP(SG)		AP(SS)		AP	
		Earned	Gap	Earned	Gap	Earned	Gap	Earned	Gap
1	Mech								
2	Auto								
3	Civil								
4	ECE & ACT								
5	VLSI								
6	EEE								
7	CSE								
8	IT								
9	AIDS								
10	AIML								
11	CYS								
12	MCA								
13	S&H								
Total									

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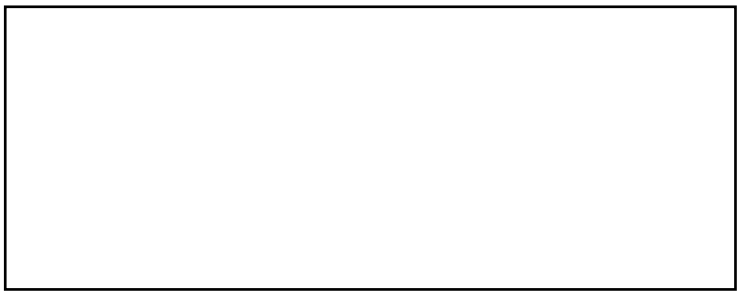

Fig.3.12.8 shows the target and gap analysis of Total Research Points Earned

(Bar and Pie-chart representation)

11. General Points discussed during RI Review Meeting:

Points Discussed

12. Points for further follow-up and Action

Points for follow-up and Action

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13. Photos taken during the review meeting

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Dr. Mahalingam College of Engineering and Technology,
Pollachi – 642003
Web:

3.13 Periodic Review of Ph.D. Scholars' Progress

Periodic Ph.D. Scholars Progress review:

Ph.D Half yearly progress reviews are conducted periodically for MCET ongoing scholars. In the meeting, faculty members will present their PhD progress and will be reviewed by the review committee members. The Review Committee Members includes:

1. Dean R&I
2. HoD of the Scholar
3. Supervisor of the Scholar (if Internal)
4. HoD of the Supervisor (if Internal)

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The members of the review committee engaged in discussions with the scholars, assessed their progress in research, addressed concerns raised by the faculty members, and assigned specific tasks to be accomplished over the upcoming six months. The faculty members expressed a favorable response towards the conduct of the half-yearly progress review, as it serves as motivation for active involvement in research activities and for the completion of their research in targeted timeframe.

3.13.1 Periodic Ph.D. Scholars Progress Review Presentation template

Outline

- Tasks agreed on Previous review Vs Achieved
- Doctoral Development Discussions
- Faculty Research Contributions
- Details of Research Publications-AU list
- Publication details-Journal
- Publication details-Conferences
- Publication details-Book/Book Chapters
- Intellectual Property Rights
- External Funded Projects
- Consultancy Works
- Semester-wise progress in PhD research work

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Registration Details

Month and Year of Admission :
Current Semester Number :
PhD Registration No. :
Status of research Work :

Tasks agreed on Previous review Vs Achieved

S.No.	Details	Tasks agreed on Previous review	Achieved
1.	No. of Journal Publications from AU Journal list including indexed in SCIE and Scopus		
2.	No. of Book Chapters/Conference publications (Scopus Indexed only)		
3.	No. of Patents published/Granted		
4.	No. of External Funding		
5.	No. of Consultancy works carried out		

Doctoral Development Discussions (Jan/July 20_ _ to Jun/Dec 20_ _)

S.No.	Category	Topic of delivery	Date and Venue	No. of faculty members attended
1.	Research Seminar			
2.	Research Tools Hands-On			
	Research Presentation			

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Faculty Research Contributions Jan/July 20_ _ to Jun/Dec 20_ _

<Photo>

<<Name of the faculty and Designation>>

2022-2023			2023-2024			2024-2025 (Ongoing)		
Target fixed	Earned	Gap	Target fixed	Earned	Gap	Target fixed	Earned	Gap

Table 1- Major Research Points

S.No.	Category	Research Points per contribution	Research points earned		2024-2025		
			2022-2023	2023-2024	No. of publications	No. of authors	Research points earned
1.	Publication in Q1 Journal	100					
2.	Publication in SCIE Journal	60					
3.	Publication in Scopus indexed Journal	40					
4.	Publication in indexed conf. and Book chapters from reputed publishers	20					
5.	Book published in reputed National or International Publisher with ISSN No.	50					
6.	Patent Filing	20					
7.	Design Filing	15					
8.	Copyright Filing	10					
9.	Patent Grant	100					
10.	Design Registered	30					
11.	Copyright Registered	20					

Read the instructions carefully for Research points provided in the following link:
https://drmcet.ac.in/wp-content/uploads/2024/08/Research-points-and-Targets.pdf

Faculty Research Contributions Jan/July 20__ to Jun/Dec 20__

<<Name of the faculty and Designation>>

S.No.	Category	Research Points per contribution	Research points earned		2024-2025 (Ongoing)		
			2022-2023	2023-2024	No. of Co-PI	Sanctioned amount	Research points earned
Table 1: Major Research Points							
12.	Consultancy and Funded Project (10 points for every 1 Lakh)	10					
Table 2: Minor Research Points							
1.	Seminar Grant sanctioned and received (10 points for 1 Lakh)	10					
2.	Funded Project – Submitted PI-5 points, CO-PI:2 points.	5					
Research Supervisor							
3.	Guideship	5					
	Ongoing Scholars(5 points per scholar)	5					
	Completed Scholars (50 points per scholar)	50					
Research related STTP/FDP (NPTEL excluded)/ Seminar/Workshop attended (Physical mode & External)							
	Minimum 2 days	5					
	1 Week	10					
	More than 1 Week	15					

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Faculty Research Contributions Jan/July 20__ to Jun/Dec 20__

<<Name of the faculty and Designation>>

S.No.	Category	Research Points per contribution	Research points earned		
			2022-2023	2023-2024	2024-2025
Acted as Resource Person for Research level topics					
5.	Course modules developed for online content in Swayam-NPTEL, Coursera (for 1 hour)	5			
	Reputed academic insts. from abroad, top NIRF-ranked govt and govt-aided institutions (Online)	5			
	Reputed academic insts. from abroad, top NIRF-ranked govt and govt-aided institutions(Offline)	10			
	Industries (Online)	10			
	Industries (Offline)	20			
Research related NPTEL/Coursera Certifications (for every 4 week-5 points)					
6.	Successfully completed 4 Weeks	5			
	Successfully completed 8 Weeks	10			
	Successfully completed 12 Weeks	15			
	Domain Certification	50			
Awards Received related to Research & Innovation					
7.	from our Institution	5			
	from top NIRF- ranked government and government-aided academic institutions, NPTEL Star performers/Topper certificate	10			
	from academic institutions in abroad/ Industry /Scientific bodies	30			
	from Government Agencies-State/ National Awards	40			

Faculty Research Contributions Jan/July 20__ to Jun/Dec 20__

<<Name of the faculty and Designation>>

S.No.	Category	Research Points per contribution	Research points earned 2022-2023	2023-2024	2024-2025
Table 3: Research points for facilitating RI Activities					
1.	Organizing International Conferences (100 points to be shared among organizing secretary and core committee members, Max:5 members)	100			
2.	Becoming Authorized expert for carrying out in consultancy (By Govt agencies) (like certified energy auditor, certified patent agent, etc.,)	50			
3.	Successfully developed innovative projects useful for the institution/Successfully guiding Students for inhouse R&D projects/completing faculty in house R&D projects (10 points per project)	10			
4.	Organizing Research Workshops /conferences/KSS/SRC/Research related events (5 points per day)	5			
5.	Resource person for Knowledge Sharing Sessions (KSS)	5			
6.	Liaising for funded projects and consultancy works (5 points for every 2L received)	5			

Year	Target Fixed	Table 1- Major(Earned)	Table 2- Minor(Earned)	Table 3-Facilitation (earned)	Total Earned	Gap
2022-2023						
2023-2024						
2024-2025						

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Details of Research Publication (AU list)-Paper 1

Title of the Paper	Name of the Authors	AU List No.	Name of the Journal	Name of the Publisher	Month & Year of Submission	Indexing (Q1/SCIE/ Scopus)	Status of the paper*

*Literature review completed/Problem identified/Results obtained/First draft prepared/Submitted/First Revision submitted/Second revision submitted/Accepted/Rejected/Published

Details of Research Publication (AU list)-Paper 2

Title of the Paper	Name of the Authors	AU List No.	Name of the Journal	Name of the Publisher	Month & Year of Submission	Indexing (Q1/SCIE/ Scopus)	Status of the paper*

*Literature review completed/Problem identified/Results obtained/First draft prepared/Submitted/First Revision submitted/Second revision submitted/Accepted/Rejected/Published

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Details of papers published in Indexed Journals

S.No.	List of the Authors	Title of the Paper	Name of the Journal	Name of the Publisher	Month & Year of Publication	Indexing (Q1/SCIE/ Scopus) and AU Annexure list (Y/N)
1.						
2.						
3.						
4.						
5.						

Details of papers submitted in Indexed Journals

S.No.	List of the Authors	Title of the Paper	Name of the Journal	Name of the Publisher	Date of Submission	Status (Under Review/ Under Revision (R1/R2)/ Accepted)
1.						
2.						
3.						
4.						
5.						

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Details of Published Indexed Books/Book Chapters

S.No.	List of the Authors	Title of the Book	Title of the Book Chapter (if applicable)	Name of the Publisher & ISBN Number	Month & Year of Publication	Scopus Indexing (Yes/No)
1.						
2.						
3.						
4.						
5.						

Details of Submitted Indexed Books/Book Chapters

S.No.	List of the Authors	Title of the Book	Title of the Book Chapter (if applicable)	Name of the Publisher	Date of Submission	Status (Under Review/ Under Revision/ Accepted)
1.						
2.						
3.						
4.						

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Details of papers published in Indexed Conferences

S.No.	List of the Authors	Title of the Paper	Name of the Conference	Name of the Organizer	Month & Year of Publication	Scopus Indexing (Yes/No)
1.						
2.						
3.						
4.						
5.						

Details of papers submitted in Indexed Conferences

S.No.	List of the Authors	Title of the Paper	Name of the Conference	Name of the Organizer	Date of Submission	Status (Under Review/ Accepted/ Registered)
1.						
2.						
3.						
4.						
5.						

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Details of Filed/Granted Patents

S.No.	List of the Inventors	Title of the Patent	Application No.	Date of Filing	Grant No. (if granted)
1.					
2.					
3.					
4.					
5.					

Details of Filed/Registered Design

S.No.	List of the Inventors	Title of the Design	Application No.	Date of Filing	Design No. (if Registered)
1.					
2.					
3.					
4.					
5.					

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Details of Filed/Registered Copyrights

S.No.	List of the Inventors	Title of the Copyright	Application No.	Date of Filing	Copyright Reg. No. (if registered)
1.					
2.					
3.					
4.					
5.					

Details of completed External funded projects

S.No.	Details of Completed External funded Projects (Name of the PI/ Co-PI, Title of Project, Funding Agency & Scheme, Sanctioned Amount & Date, Duration and Status(UC sent/Final technical report sent, etc.,)
1.	Duration: Sanctioned amount: Status:
2.	Duration: Sanctioned amount: Status:

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Details of ongoing External funded projects

S.No.	Details of Ongoing External funded Projects (Name of the PI/ Co-PI, Title of Project, Funding Agency & Scheme, Sanctioned Amount & Date and Duration)
1.	Duration: Sanctioned amount: Status:
2.	Duration: Sanctioned amount: Status:

Details of submitted External funded projects

S.No.	Investigators details/ Coordinators	Project title/ Seminar/FDP/ Workshop/..	Name of the Scheme & Funding Agency	Date of Submission	Amount Requested (in Rs.)	Status (submitted/ presentation completed/ sanctioned/ not sanctioned)
1.	PI/Coordinator: Co-PI/Co-Coord.:					
2.	PI/Coordinator: Co-PI/Co-Coord.:					
3.	PI/Coordinator: Co-PI/Co-Coord.:					
4.	PI/Coordinator: Co-PI/Co-Coord.:					
5.	PI/Coordinator: Co-PI/Co-Coord.:					

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Details of Consultancy works Ongoing/Completed

S.No.	List of Faculty members	Title of the Project	Client details	Amount Generated (Rs.)	Date of completion/ Expected date of completion
1.					
2.					
3.					
4.					
5.					

Semester-wise progress in PhD research work

Year	Course work	Literature Review and Problem Identification	Implementation	No. of papers (AU List)			
				Submitted	Got revision	Rejected	Published
1st Year							
3rd sem							
4th sem							
5th sem							
6th sem							
7th sem							
8th sem							
9th sem							
10th sem							
11th sem							
12th sem							

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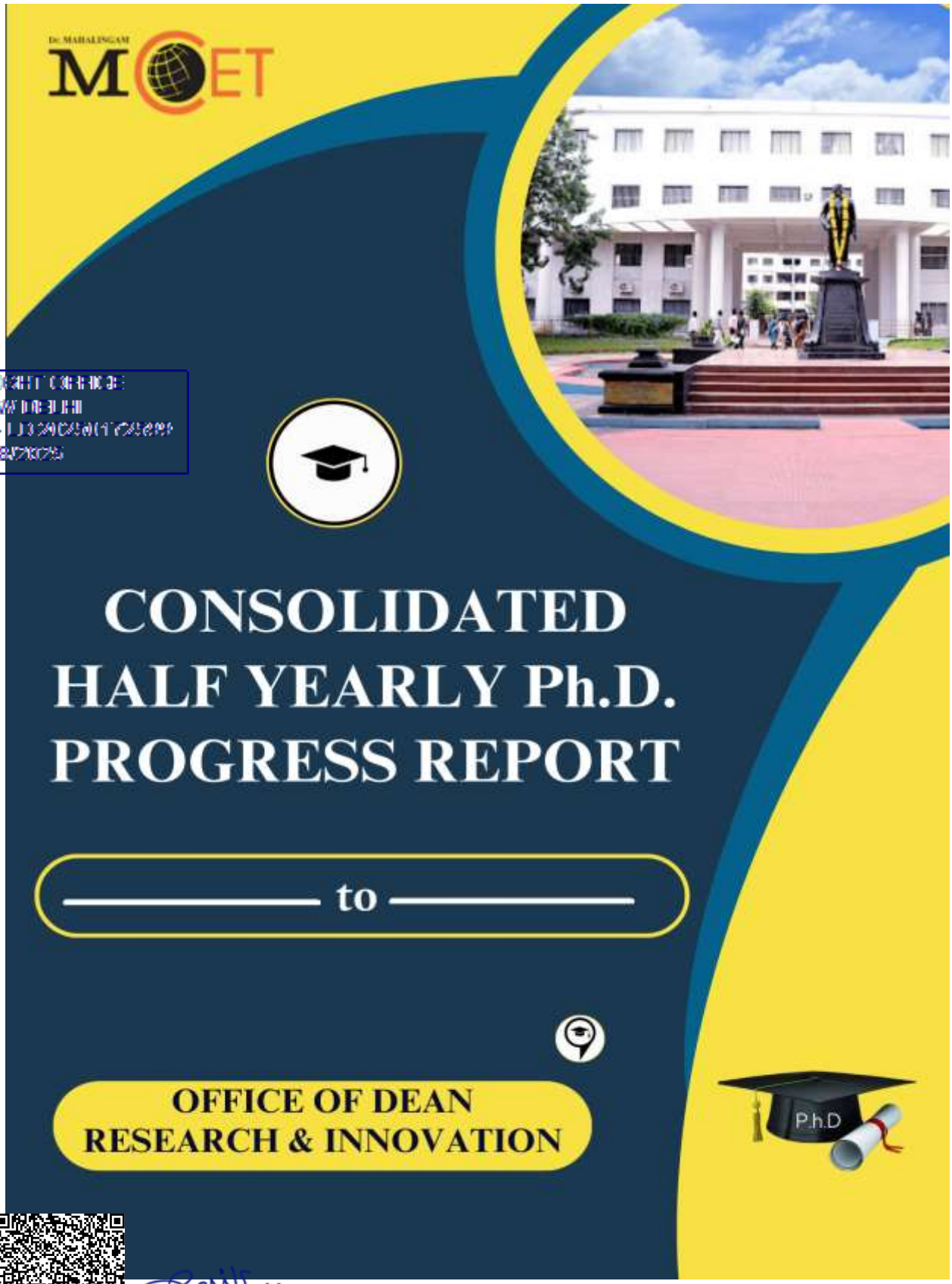
Kindly put a tick or mention the count wherever applicable

Other Noteworthy Contributions

3.13.2 Consolidated half yearly Ph.D. Progress report

Front Cover



Department wise Ph.D. Scholars attended the review

S.No.	Department	No. of Faculty members attended review
1.	Automobile Engineering	
2.	Mechanical Engineering & Mechatronics	
3.	Civil Engineering	
4.	Information Technology	
5.	Computer Science and Engineering	
6.	Artificial Intelligence and Data Science	
7.	Artificial Intelligence and Machine Learning & Cybersecurity	
8.	Electronics and Communication Engineering	
9.	Electrical and Electronics Engineering	
10.	Science and Humanities	
	Total	

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Ph.D. Scholars Overall Performance

Figure 3.13.1: Faculty Overall performance (Bar chart representation)

Figure 3.13.2: Expected Year of Ph.D. Completion (Pie chart representation)

Figure 3.13.3: Status of Research Work (Pie chart representation)

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Figure 3.13.4: Department-wise Research contribution for the past 3 semesters (3D-Bar chart representation)

Figure 3.13.5(i): Research points earned (2022-2023) (Pie chart representation)

Figure 3.13.5(ii): Research points earned (2023-2024) (Pie chart representation)

Figure 3.13.5(iii): Research points earned (2024-2025) (Pie chart representation)

Recommendations and Action Points

Details of faculty members yet to register for Ph.D.

Sl.No	Department	Name of the Faculty	Qualification	Designation

Details of faculty members completed Ph.D. and yet to obtain guideship

Sl. No.	Name	Designation	Department

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Ph.D. Scholars Half-Yearly Performance Evaluation

S.No	Scholar Name, Department & Research details	Research Points earned			Research Contributions (AU list/SCIE/ Scopus)	(Jan 2023-Jun 2023)		(Jul 2023-Dec 2023)		(Jan 2024-Jun 2024)		Tasks fixed for the next review	Overall performance & Month and Year of Completion
		2022-2023	2023-2024	2024-2025*		Sub	Pub	Sub	Pub	Sub	Pub		
1.					AU List:								
					Others:								
					Patent:								
2.					AU List:								
					Others:								
					Patent:								

Sample half yearly presentation review photos

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Dean R&I **Vice-Principal** **Principal**

Joint-Secretary **Secretary**

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EARCH & INNOVATION

3.13.3 Ph.D. Scholars Monthly Progress Review Form

Ph.D. Scholars Monthly Progress Review

Ongoing scholars are required to fill out the form, except for those who have submitted Synopsis or Thesis.

* Required

* This form will record your name, please fill your name.

General Information of the Scholar

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Name with Initials of the Scholar *

2. Department of the Scholar *

- Auto
- Civil
- Mech
- IT
- CSE
- AIDS
- AIML & CYS
- EEE
- ECE
- EIE
- MCA
- S&H

3. Mobile No. of the Scholar *

4. Name, Designation, Department and Institution of the Supervisor *

5. Month and Year of Admission (mm/yyyy) *

6. Status of Ph.D. *

- ◯ Undergoing Coursework
- ◯ Coursework Completed
- ◯ Provisionally Confirmed
- ◯ Under Extension

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7. Part A - Time spent for Research in the current month (Please choose number of hours spent in each week) *

	0 hour	1-2 hours	3-4 hours	5-6 hours	7-8 hours	9-10 hours	10+ hours
Week 1	◯	◯	◯	◯	◯	◯	◯
Week 2	◯	◯	◯	◯	◯	◯	◯
Week 3	◯	◯	◯	◯	◯	◯	◯
Week 4	◯	◯	◯	◯	◯	◯	◯

8. Part B - Choose the category of doctoral development discussion conducted *

- ☐ Research Presentation
- ☐ Research Seminar
- ☐ Research Tools Hands-on

9. Part C - Indexed Journal paper (Research paper (in AU list)/ Other Indexed Journal publication (not in AU list)-Best 1 to be claimed) *

- ◯ Yet to start
- ◯ Paper Submitted
- ◯ Revision Submitted
- ◯ Accepted (not in AU list)
- ◯ Accepted (AU list)
- ◯ Rejected & resubmitted
- ◯ Rejected

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10. Part D - Patent (Only patent (Design should not be considered)) *

- ◯ Yet to start
- ◯ Filed
- ◯ Published
- ◯ Responded to FER
- ◯ Granted
- ◯ Not granted

11. Part E - Funding & Consultancy *

- ◯ Yet to start
- ◯ Proposal submitted/Consultancy work initiated
- ◯ Ongoing
- ◯ Completed

3.13.4 Ph.D. Scholars' Monthly Progress Review Summary

Front Cover

Index

S.No.	Particulars	Page No.
1.	Number of Ph.D. Scholars and Supervisors	
2.	Status of Ph.D. Scholars	
3.	Review Parameters: A. Time spent for Ph.D. B. Doctoral Development Discussions C. Indexed Journal Paper Publications D. Patent Grants E. Funding & Consultancy Details	
4.	Department wise Performance Analysis	
5.	Top 10 Ph.D. Scholars in MCET-March 2025	
6.	Department Toppers	

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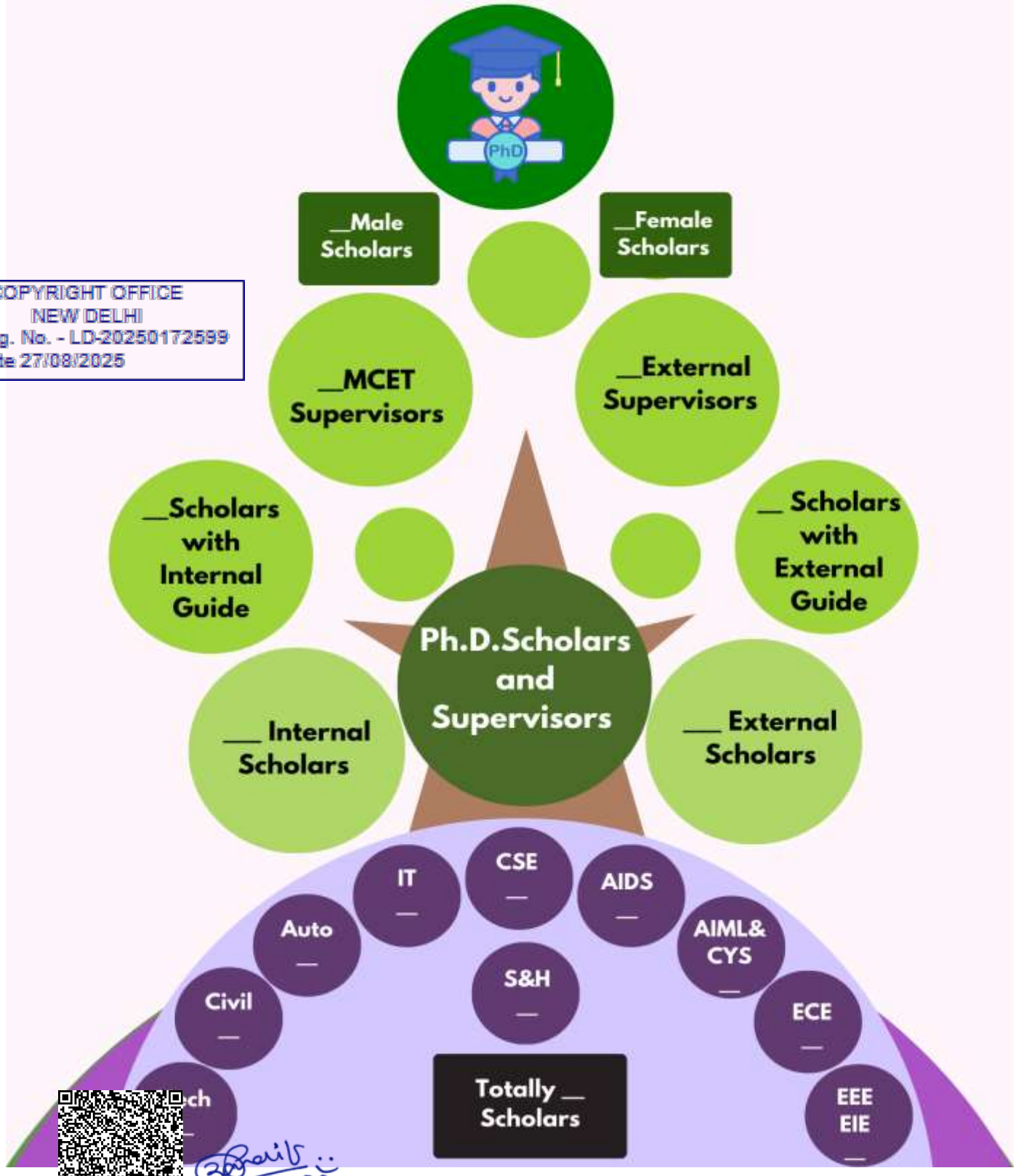
Number of Ph.D. Scholars and Supervisors



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Status of Ph.D.

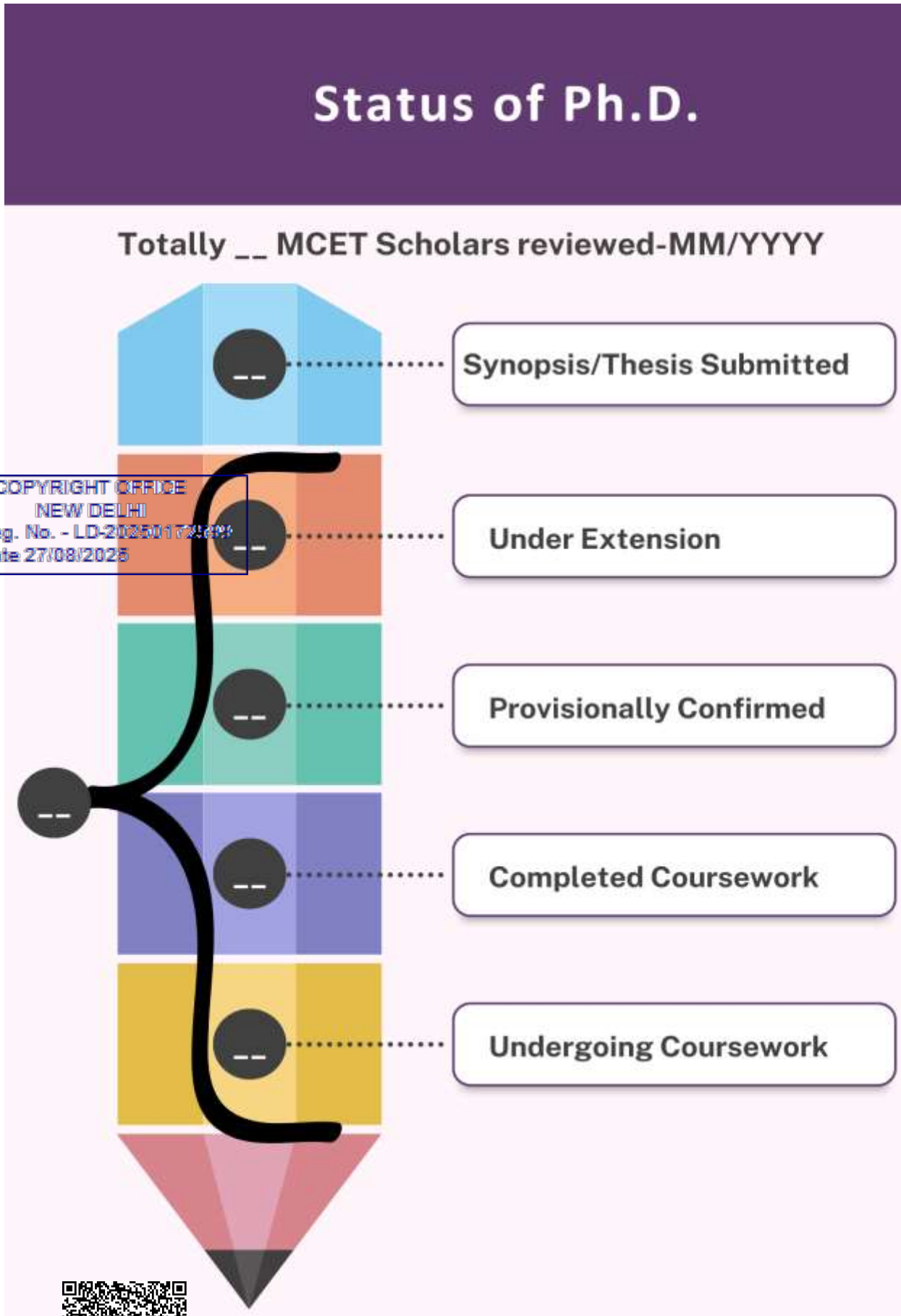

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Table 3.13.1: Ph.D. scholars' Monthly Progress Review Parameters

Sl. No.	Category	Marks/Month	Max. Marks
1.	Time spent for Research (Entry in terms of week 1, week 2, week 3 & week 4)	20 Marks (40 hours in 4 weeks)	20
2.	Doctoral Development Discussions	Research Presentation:10 Research seminar:15 Research Tools-Hands-on:20	20
3.	Indexed Journal paper (Best 1 to be claimed) Research paper (in AU list)/ Other Indexed Journal publication (not in AU list)	Paper Submitted:5 Revision submitted:10 Rejected & resubmitted:15 Accepted (not in AU list):15 Accepted (AU list):20	20
4	Patent Only patent (Design should not be considered)	Filed-5 Published-10 Responded to FER-15 Granted-20	20
5.	Funding & Consultancy	Proposal submitted (Active)/ Consultancy work initiated-10 Ongoing-15 Completed-20	20
		Total	100

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Review Parameters

A. Time Spent for Ph.D.

Figure 3.13.6: Time spent for Research (Pie-chart Representation)

Figure 3.13.7: Department wise contribution to total Research time (Pie-chart Representation)

Figure 3.13.8: Department wise time spent by scholars for Research (Bar-chart Representation)

Figure 3.13.9: Department wise No. of Scholars and Average time spent for Research per Scholar (Bar-chart Representation)

B. Doctoral Development Discussions

Figure 3.13.10: Number of Scholars Contributed Vs Not Contributed in Doctoral Development Discussions (Pie-Chart Representation)

Figure 3.13.11: Distribution of Scholars based on Doctoral Development Discussions (Bar-chart Representation)

C. Indexed Journal Paper Publications

Figure 3.13.12: Number of Scholars Contributed Vs Not Contributed in Indexed Journal Paper (Pie-Chart Representation)

Figure 3.13.13: Distribution of Scholars based on Indexed Journal Paper (Bar-chart Representation)

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D. Patent Grants

Figure 3.13.14: Number of Scholars Contributed Vs Not Contributed in Patent Grants (Pie-Chart Representation)

Figure 3.13.15: Distribution of Scholars based on Patent grants (Bar-chart Representation)

E. Funding & Consultancy Details

Figure 3.13.16: Number of Scholars Contributed Vs Not Contributed in Funding & Consultancy (Pie-Chart Representation)

Figure 3.13.17: Distribution of Scholars based on Funding & Consultancy (Bar-chart Representation)

Department wise Performance Analysis

Table 3.13.2: Department wise Average Scores-March 2025

Departments	Average Points Earned					Average Overall Score
	A. Time spent for Ph.D.	B. Doctoral Development Discussions	C. Indexed paper publications	D. Patent Grants	E. Funding and Consultancy Activities	
Mech						
Auto						
Civil						
S&H						
EEE						
AIDS						
IT						
ECE						
CSE						
AIML & CYS						
EIE						

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Department wise Performance Analysis - HeatMap Representation

Figure 3.13.18: Department wise Average Scores – MM/YYYY

Table 3.13.3: Top 10 Ph.D. Scholars in MCET – MM/YYYY

S.No.	Name & Dept. of the Scholar	A	B	C	D	E	Score (out of 100)
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							

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A. Time spent for Ph.D.
B. Doctoral Development Discussions
C. Indexed paper publications
D. Patent Grants
E. Funding and Consultancy Activities

Table 3.13.4: Department Toppers – MM/YYYY

S.No.	Name & Dept. of the Scholar	A	B	C	D	E	Score (out of 100)
1.	Mech						
2.	Civil						
3.	Auto						
4.	IT						
5.	CSE						
6.	AIDS						
7.	AIML&CYS						
8.	ECE						
9.	EEE						

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A. Time spent for Ph.D.
B. Doctoral Development Discussions
C. Indexed paper publications
D. Patent Grants
E. Funding and Consultancy Activities

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Web: https://drmcet.ac.in/research-centres-supervisors/
E[illegible]ri@drmcet.ac.in

3.14 Periodic Review of Ongoing External & In-house Funded Projects

- The institution provides SEED money for in-house R&D projects to all potential faculty members and students. The minimum SEED money provided will be 1 lakh rupees per project.
- In-house Funding Scheme is provided in order to promote research and innovation among the faculty members and students in the campus. The objective of the scheme is to accelerate the prospect to receive financial support from Government/Non-Governmental Agencies in the future.
- Under this scheme students and faculty members shall apply for the funding with an idea and neat description of their work. After scrutinizing the proposal, financial support will be provided.
- A copy of proposals complete in all aspects is to be submitted through the proper channel to the office of Dean of Research & Innovation.
- Preference will be given to proposals that have a high potential for external funding and to strengthen inter-disciplinary research partnerships.
- Periodic reviews of ongoing external and in-house funded projects are conducted to assess progress, ensure efficient resource utilization, and align with set objectives. These reviews help identify any challenges, mitigate risks, and ensure projects remain on track to meet deadlines and deliverables.

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Periodic Review of Ongoing External Funded Projects

Contents

- Project details
- Project staff details
- Problem statement
- Objectives
- Proposed solutions
- Methodology
- Details of Purchase of Equipment
- Photographs of equipment purchased
- Workdone as on date
- Outcomes
- Publications
- Photograph & video of implemented project
- Future plan
- References

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Project details

Project Title	:	
Project sanction reference no with date	:	
Funding agency	:	
Project Duration	:	
Budget Sanctioned (Rs.)	:	
Total amount utilized (Rs.)	:	
Percentage of project completion	:	

Project staff details

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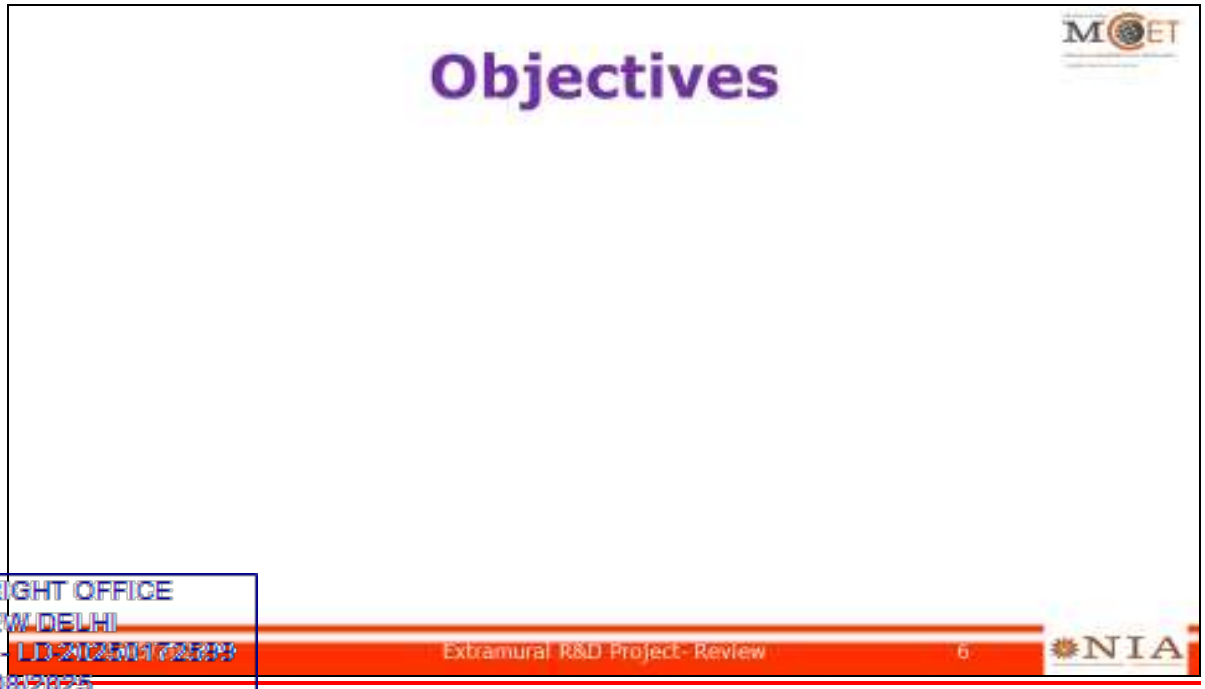
Problem statement



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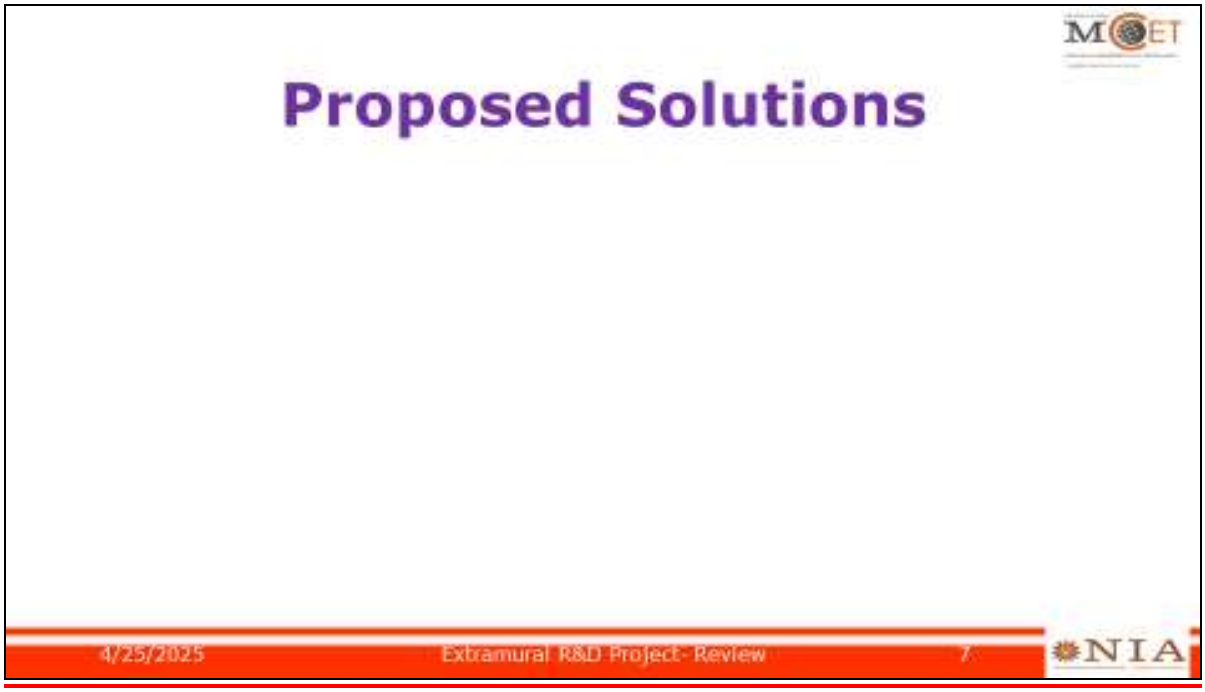

Methodology

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Details of Purchase of Equipment

S.No.	Item	Amount (Rs.)	Usage of equipment
1			
2			
3			
	Total Amount		

Photographs of equipment purchased

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Work done as on date

Outcomes

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Publications (if any) –R&D project

Photograph & video of implemented project

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Future plan

MOET

References

4/25/2025 Extramural R&D Project- Review 17 NIA

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Periodic Review of In-house Funded Projects

Contents

- Details of faculty Incharge
- Project details
- Problem statement
- Objectives
- Introduction
- Proposed work
- Methodology
- Details of Purchase of Equipment
- Photographs of equipment purchased
- Workdone as on date
- Outcomes
- Publications
- Photograph & video of implemented project
- Future plan
- References

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Details of Faculty Incharge

Name of the Faculty	:	
Employee ID	:	
Designation	:	
Qualification	:	
Department	:	
Date of Joining	:	
E- Mail ID	:	
Contact Number	:	

Project details

Project Title	:	
Project sanction reference no with date	:	
Project Duration	:	
Budget Sanctioned (Rs.)	:	
Total amount utilized (Rs.)	:	
Percentage of project completion	:	

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Problem statement

Objectives

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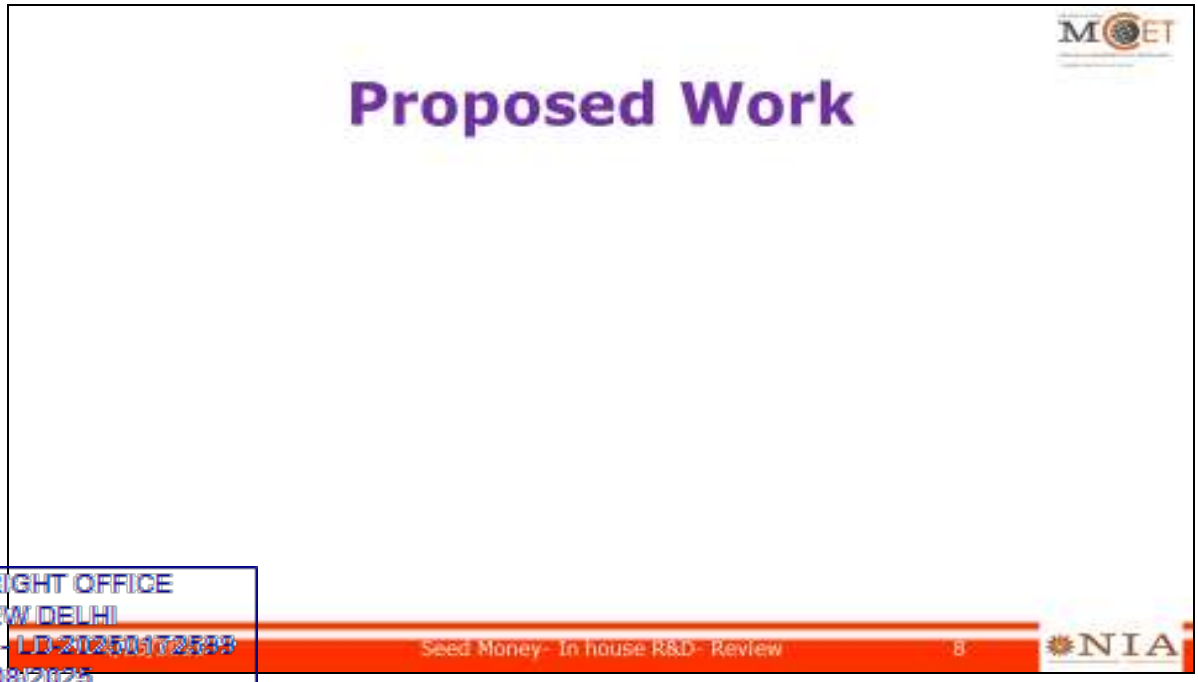
Introduction



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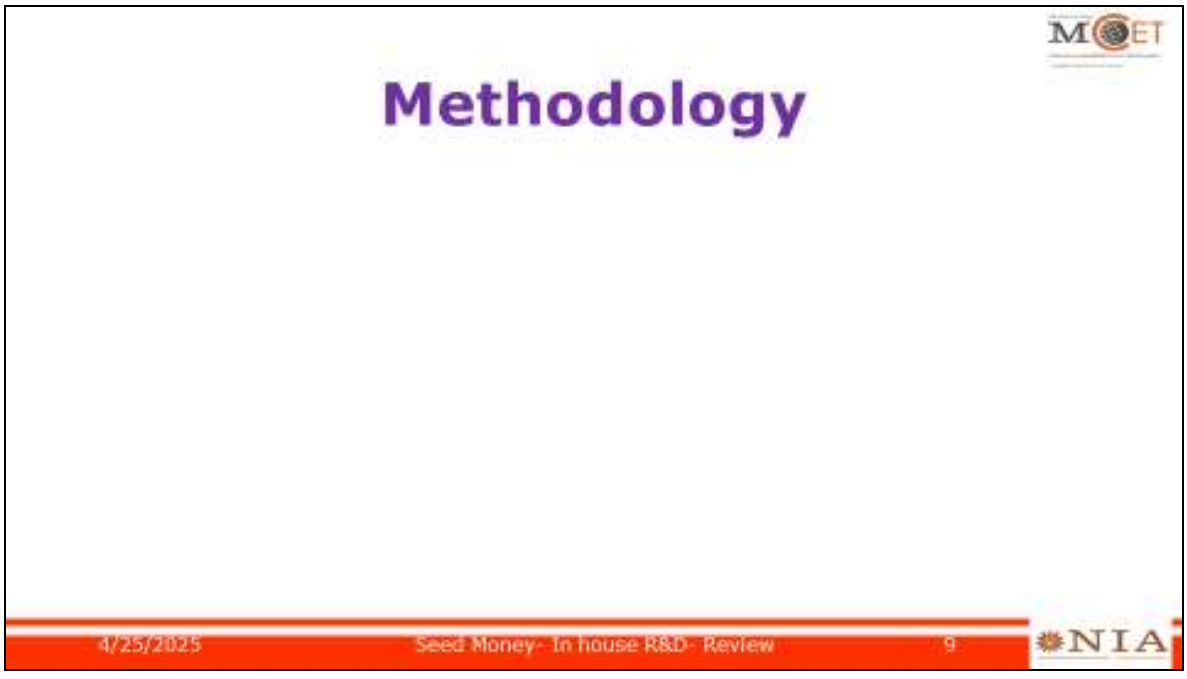

Details of Purchase of Equipment

S.No.	Item	Amount (Rs.)	Usage of equipment
1			
2			
3			
	Total Amount		

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Photographs of equipment purchased

Work done as on date

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Outcomes

Publications (if any) – In-house R&D project

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Photograph & video of implemented project

Future plan

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References

3.15 Convening Meetings, Controlling & Monitoring NIRF Data Analysis

Regular meetings are scheduled with key stakeholders to review the data collection process, ensure alignment with NIRF guidelines, and address any discrepancies. These meetings facilitate coordination and decision-making to enhance data accuracy and completeness.

A structured control mechanism is implemented to verify the integrity of collected data. This involves cross-checking figures, validating sources, and ensuring consistency across reporting parameters. Any discrepancies identified are promptly addressed to maintain accuracy.

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Data is continuously monitored to ensure timely updates and compliance with NIRF requirements. Periodic checks and internal audits help track progress, resolve emerging issues, and refine the data submission process.

Before submission, a final review is conducted to confirm accuracy and adherence to guidelines. Necessary revisions are made, and the validated data is submitted within the prescribed timeframe to uphold institutional credibility and ranking performance.

C. RESEARCH INCENTIVES & SUPPORT

3.16 Coordinating Cash Incentive Distribution to faculty members for Research Contributions

Coordinating cash incentives for faculty members recognizes their research contributions, boosting motivation and fostering innovation. These incentives are distributed periodically to acknowledge and reward their ongoing contributions to research. Research incentives are provided for faculty members publishing in quality journals indexed in Scopus, SCIE, and Q1 categories, as well as for securing patents and design grants. Additionally, Research Incentive Awards Ceremonies are conducted periodically to further motivate faculty members and facilitate continued excellence in research. The incentive norms are provided below.

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3.16.1 Incentive Norms

It is informed that, the following incentive norms are revised with effect from 1st January 2025 for various research and innovation activities carried out by the faculty members such as journal paper publications, patents, external research funding, consultancy & online course participation and are given below:

A) Incentive Norms for Paper Publications

Sl. No	Description	Standard Incentive	Enhanced Incentive
1.	Publications of Papers in Scopus Indexed Journals	Rs. 3,000/-	Rs. 6,000/-
2.	Publications of Papers in SCIE Indexed Journals	Rs. 5,000/-	Rs. 10,000/-
3.	Publications of Papers in Top 25 Percentile Journals (Q1)	Rs.7,500/-	Rs.15,000/-
4.	Faculty members who are currently working in MCET who published article with MCET affiliation are only eligible for incentive.		
5.	Revised incentive will be distributed from January 2025 onwards per Calendar Year.		
6.	A faculty member who published more than one paper in a calendar year will receive enhanced incentive as mentioned above. Those who published only one paper in a calendar year will receive standard incentive.		

7.	**Author Positions eligible for incentives:** • First 6 Author Positions for Q1 Journals • First 5 Author Positions for SCIE Journals • First 4 Author Positions for Scopus Journals Incentive amount mentioned per article will be equally distributed among **Maximum of First Three MCET** authors, of the above-mentioned positions of Journal articles.

B) Incentive Norms for IPR

Sl.No	Type of IPR	Description	Incentive Amount
1.	Granted Patent	1. Granted Patent with inventors and all from our institution 2. With financial support from our institution	Rs.15,000/-
		1. Granted Patent with inventors and all from our institution 2. Without any financial support from our institution	Rs.8,000/-
		Granted Patent with inventors limited to first 5 members (including members from other institutions)	Rs.6,000/-
2.	Granted Design	1. Granted Design with inventors and all from our institution 2. Without any financial support from our institution	Rs.1,000/-
		1. Granted Design with inventors and all from our institution 2. With financial support from our institution	
		Granted Design with inventors limited to first 5 members (including members from other institutions)	
3.	Registered Copyright	Applicant(s) and Author(s) should only be from **"MCET"**	Rs.1,000/-
4.	Registered Trademark	Registered Trademark should only be from **"MCET"**	Patent office Charges only

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C) **Norms for Sharing of Incentive for External Funded Projects**

S.No.	Nature of External Fund	Range	Incentive Amount
1.	Research Funding (Proposals related to research only) (MODROBS, TNSCST projects, Seminar Grants etc., are not considered)	>50 Lakhs	Rs. 2,00,000/-
		>30-50 Lakhs	Rs. 1,00,000/-
		>20-30 Lakhs	Rs. 90,000/-
		>15-20 Lakhs	Rs. 80,000/-
		>10-15 Lakhs	Rs. 70,000/-
		>5-10 Lakhs	Rs. 50,000/-
		>3-5 Lakhs	Rs. 40,000/-
		2-3 Lakhs	Rs. 20,000/-
2.	**The above incentives are to be shared as follows**		
	Description		**Percentage of Share**
	Principal investigator & Faculty team members PI 40 %; Co-PI-30%; Other faculty team- 10%)		80%
	Department supporting staff involved in the project		15%
	If the department supporting staff not involved in project		10% to PI & 5% to Office
	MCET Office, Central Office and HR Office		5%
	50% of the incentives are to be distributed upon receiving first installment and the remaining 50% are to be issued after successful submission of Utilization Certificate.		

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D) **Norms for Sharing of Consultancy Revenue**

Description		**Percentage of Share**
Net revenue received for consultancy	Institution resources are utilized	60:40 ratio 60% to institution, 40% as incentive
	Institution resources are not utilized	40:60 ratio 40% to institution, 60% as incentive

Norms for distribution of Incentive	
Description	**Percentage of Share**
Faculty team members handling the consultancy	75%
Department supporting staff involved in the consultancy work	15 %
MCET Office, Central Office and HR Office	10

E) Norms for Reimbursement of Registration Fee for Online Courses

Norms
Participation in online courses only through NPTEL, SWAYAM, COURSERA platforms are considered. Yearly claim per faculty for maximum for 2 courses is Rs 2,200/-
OD will be provided to attend selective online course exams. Maximum 2 days/faculty/year
Faculty members (Experience less than 5 years) are encouraged to complete modules under National Initiative for Technical Teachers Training through online mode. NITTT modules (8 nos) can totally Rs. 10,000 (Rs.2000 for one-time registration and Rs. 1000 for each module) for completion. Faculty members can claim 30% of total amount after first year of registration another 30% at the end of second year and remaining 40% at the end of third year. Faculty members passing the module in first attempt are eligible for claim.

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Annexure

Illustration for receiving incentives for Research Publications

Q1: First 6 Author Positions

Sl.No.	Position of the authors in the paper						Incentive receiving Author positions*
	1st	2nd	3rd	4th	5th	6th	
1.							1st, 2nd and 3rd position MCET authors
2.							2nd, 3rd and 4th position MCET authors
3.							3rd ,4th and 5th position MCET authors
4.							4th, 5th and 6th position MCET authors
5.							5th and 6th position MCET author
6.							6th position MCET author

SCIE: First 5 Author positions

Sl.No.	Position of the authors in the paper					Incentive receiving Author positions*
	1st	2nd	3rd	4th	5th	
1.						1st, 2nd and 3rd position MCET authors
2.						2nd, 3rd and 4th position MCET authors
3.						3rd ,4th and 5th position MCET authors
4.						4th and 5th position MCET authors
5.						5th position MCET author

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Scopus: First 4 Author positions

Sl.No.	Position of the authors in the paper				Incentive receiving Author positions*
	1st	2nd	3rd	4th	
1.					1st, 2nd and 3rd position MCET authors
2.					2nd, 3rd and 4th position MCET authors
3.					3rd and 4th position MCET authors
4.					4th position MCET authors

Non MCET Authors MCET Incentive Authors MCET non-Incentive Authors

******Maximum of First Three MCET authors***

Illustration for Paper receiving Standard Incentive/Enhanced Incentive

S.No.	Category	Incentive receiving Author			Standard Incentive/ Enhanced Incentive
		1st Author	2nd Author	3rd Author	
1.	**Number of publications in a Calendar Year** *(Publications jointly with other author(s), alone or same author(s))*	1+	1+	1+	Enhanced Incentive
2.		1+	1+	1	Standard Incentive
3.		1+	1	1+	Standard Incentive
4.		1	1+	1+	Standard Incentive
5.		1	1	1	Standard Incentive

Research Incentive Awardees and Achievements

Front Cover

Outline

01 Research Statistics of MCET

02 Initiatives taken by Office of Dean Research & Innovation

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03 Research Incentive Details

04 Faculty Wise R & I Incentive Details

Research Statistics of MCET

Research Activities	Last 5 years	Annual Average (of last 5 years)	Current Year
Research Publications			
Q1			
SCIE			
SCOPUS			
H-Index			
Citations			
No. of PhD Scholars Registered			
No. of Scholars doing PhD			
External Funded Projects			
Patent Granted			
Consultancy Revenue Shared			

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Research Incentive: Comparison

Research Activities	Last 5 years (in Rs.)	Annual Average (of last 5 years) in Rs.	Current Year (in Rs.)
Research Publications			
External Funded Projects			
Patent			

Initiatives taken by Office of Dean Research & Innovation as listed in Page No. 15

Incentive Norms

PAPER PUBLICATION	
Q1	Rs.7500/-
SCIE	Rs.5000 /-
Scopus	Rs.3000 /-

PATENT	
Granted patent (inventors in MCET)	Rs.7000/-
Granted patent (inventors including other institutions)	Rs.5000/-

RESEARCH FUNDING	
Funding	Incentive Amount (in Rs.)
Above 30 Lakh	1.0 Lakh
>25-30 Lakh	90,000
>20-25 Lakh	80,000
>15-20 Lakh	70,000
>10-15 Lakh	60,000
>5-10 Lakh	40,000
>3-5 Lakh	30,000
2-3 Lakh	20,000

CONSULTANCY	
Institution resources are utilized	60:40 ratio 60% to institution 40% as incentive
Institution resources are not utilized	40:60 ratio 40% to institution 60% as incentive

IN HOUSE R & D
Minimum seed money of Rs.1,00,000/-

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____Research Incentive Summary Duration

Publications
- Count
- Rs. /-

External Funded Project
- Count
- Rs. /-

NPTEL
- Count
- Rs. /-

NITTT
- Count
- Rs. /-

Granted Patents
- Count
- Rs. /-

Sanctioning of In-House R & D
- Count
- Rs. /-

Consultancy
- Count
- Rs. /-

Total Incentive Rs. /-

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Faculty Wise Details

Department of Automobile Engineering

No. of Faculty benefited: ___

Category	Amount in Rs.
Publication	
Funded Project	
Patent	
Total	

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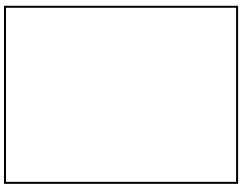
	Name of the faculty	Publication, Funded Project, Patent
	Dr._____	Publications ___
	Dr._____	Patent ___
	Dr._____ 	Publications ___
	Dr._____	External Funding ___

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Back Cover

Office of Dean Research & Innovation,

Dr. Mahalingam College of Engineering & Technology,

Pollachi - 642 003.

Web: https://drmcet.ac.in/academic-research

Email: deanri@drmcet.ac.in

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3.17 Providing support for availing the Research Contingency Grant

Guidelines for availing the Contingency Grant:

1. **Faculty Eligibility:**
    - A maximum of Rs. 20,000 per faculty per semester may be availed.
    - Faculty must have at least one Q1 or SCIE or Scopus publication as an outcome.
    - A grant of up to Rs.5,000 will be provided for Scopus-indexed papers, up to Rs.10,000 for SCIE-indexed papers, and up to Rs.20,000 for Q1 journal publications.
    - This grant is open to both faculty members and research faculty members
    - Faculty who fails to achieve the publication requirement will be ineligible for future grants.
2. **Departmental Responsibility:**
    - Departments should negotiate and finalize a rate contract for relevant services each FY, wherever applicable.
    - Utilisation of purchased consumables should be monitored and contingency Stock register should be maintained.
3. **Usage Constraints:**
    - The grant cannot be used to purchase any equipment.
    - It can be utilized for testing, characterization, consumables, materials and cloud services that are unavailable at MCET and are not covered under any other budget heads.
4. **Publication Requirements:**
    - Research work funded through this grant must be authored by MCET faculty.
    - Collaborations are permitted only with top NIRF-ranked Government/Aided institutions or foreign universities.
5. **Incentive Considerations:**
    - Publications resulting from this grant will not be eligible for enhanced incentives.
    - Standard incentives will be considered only if the total expenditure remains below Rs.5,000 for Scopus-indexed papers, Rs.10,000 for SCIE-indexed papers, and Rs.15,000 for Q1 journal papers.

This initiative is expected to significantly enhance research productivity by enabling faculty to access critical facilities, thereby ensuring high-quality publications and innovation.

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Form 1 - MCET Research Contingency Grant Application Form

Date:

A: Applicant Details:

1. **Name of the Faculty:**
2. **Designation:**
3. **Department:**
4. **Email ID:**
5. **Contact Number:**

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B: Details of previous Research Contingency grant received (if any):

6. **Have you previously availed Research Contingency Grant? (Yes/No):** (if yes, provide below details)

Amount requested	**Amount spent**	**No. of research contributions made**	**Form 2 & 3 Submitted** **(if yes, enclose copy of form2 and form 3)**
		Q1- SCIE- Scopus-	Form 2: Yes/No Form 3: Yes/No

7. **Details of Research Contingency grant availed in current semester (if any):**

Ref. No. & (Enclose Form 2)	**Amount requested**	**Amount received**	**Maximum eligibility**	**Balance amount**
			Rs.20,000/-	
			Rs.20,000/-	

C: Details of Research Contingency grant now requested:

8. Tentative title of the Research work:

S.No.	Purpose of Research Contingency Grant*	Vendor details	Amount requested	Total (in words)
1.				
2.				
			Grand Total	

***Mention clearly the purpose of Contingency grant (SEM, TEM, XRD, FTIR, TGA Analysis, Antenna Fabrication and Testing, etc.,)**

Undertaking by the Applicant

I, _____, hereby declare that:

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1. **[Strike out whichever not applicable]**
   - This is the first time applying for the contingency grant (or)
   - I have previously received the research contingency grant, and as an outcome, I have published_____Q1, ____ SCIE and _____Scopus research paper (Enclose copy of Form 2 & Form3).
2. I assure that I will acknowledge management in research publications using the following statement with reference number of this grant:
   "We thank the management of Dr. Mahalingam College of Engineering and Technology, Pollachi for providing research contingency grant with reference No.: MCET/R&I/RCG/YYYY/NNN "
3. All the details provided in this application are true, complete, and correct to the best of my knowledge.

Date: _____

Signature of the Applicant

Endorsement by the Head of the Department

I, _____, Head of the Department of _____, certify that:

1. The requested facilities are not available in MCET, and the necessary resources must be procured externally and also the facility requested under this contingency grant is required to complete the research work.
2. Rates are negotiated with the vendors and the rate suggested are the best possible rate.

Department budget detail (Financial Year (20_ _ to 20 _ _):

Particulars	Proposed Budget	Available Budget	Now Requested
5.h.Research Contingency Grant			

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Signature of HoD

For Office Use

. . . . . .

Reference No of this grant: ***MCET/R&I/RCG/***YYYY/NNN

The details of the application are verified

Signature of R&I Coordinator

. . . . . .

Approvals

Dean R&I **Vice-Principal** **Principal**

Joint-Secretary **Secretary**

Form 2 - Research Contingency-Advance bill Settlement/Reimbursement Form

Date:

Name: ……..…… Designation / Department: ……..…

Ref. No. of Form 1…… (Enclose Form1)

Sl. No	Bill No	Bill Date	Name of the Supplier	Amount Rs.	Ps.
Receipt No & Date for the Balance advance Returned to office :			Total		
			Balance		
			Excess Amount Spent		

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Entry made in the Advance Register Page No: _____& BCR Page No: _____

Received the above Bills on: _____

Head of A/c: **Research Contingency Grant**

Requesting for Advance bill settlement/Reimbursement: ……..

i) If Advance Bill Settlement:

Date of Receipt of Advance: …… Advance Amount Drawn: Rs……..

Purpose of advance amount already received ……

……..……

ii) If Reimbursement:

We submit herewith the bill for the value of Rs. _____ (Rupees (in words)) spent for the purpose of _____. The amount was paid by _____ hence I request to reimburse the same to

Name: _____

Account No.: _____

Signature of Faculty Incharge

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R&I Coordinator **HoD** **Accounts Manager**

Approvals

Dean R&I **Vice Principal** **Principal**

Joint Secretary **Secretary**

Form 3 - MCET Research Contingency Grant –Utilization Certificate

Date:

Title of the Project	:	
Reference No. & Date	:	
Name and designation of the Faculty received Contingency grant	:	
Name of the Department	:	
Amount sanctioned/requested (Rs.)	:	
Amount spent(Rs.)	:	
Details of balance amount (if any)	:	
Paper publication detail (Attach 1st Page of research paper)	:	_____Q1 _____SCIE _____Scopus Total:_____
DOI of the published papers	:	DoI of Paper 1: DoI of Paper 2: Etc.,
Attach Form 1 and Form 2		

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CERTIFICATE

Certified that the contingency grant of Rs. _____(in words) was received from the MCET management during the financial year _____under the scheme MCET Research Contingency grant entitled "_____" vide MCET Ref.No._____, dated, an amount of Rs._____has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by MCET and publication raised out of grant has been acknowledged.

Signature of Faculty Incharge

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R&I Coordinator **HoD** **Accounts Manager**

Approvals

Dean R&I **Vice Principal** **Principal**

Joint Secretary **Secretary**

3.18 Developing In-house talent pool, providing Technical & Financial support for IPR Management

Developing an in-house talent pool is achieved through a structured process involving multiple strategic initiatives. Faculty members are encouraged to appear for the Indian Patent Agent Examination, fostering expertise in intellectual property rights and strengthening institutional knowledge in this domain. To support this, technical guidance is provided through workshops focused on Patentable Invention and Identification, ensuring that faculty and students understand the key aspects of patent filing and protection.

In addition to training, infrastructure support is enhanced with the inauguration of KM IP Consultancy at MCET, providing a dedicated platform for intellectual property-related discussions, collaborations, and expert consultations. Financial assistance is also extended for filing intellectual property rights, ensuring that faculty and students have the necessary resources to protect their innovations without financial constraints.

These combined efforts create a well-rounded ecosystem that promotes research excellence, enhances institutional capabilities in intellectual property, and ensures sustained innovation through structured training, technical support, and financial assistance. IPR Process flow is provided below:

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3.19 Identifying & Sanctioning In-house R&D Projects for Faculty members and Students

The process of identifying and sanctioning in-house R&D projects for faculty members and students begins with the submission of proposals seeking seed money, which remains open throughout the year. Once submitted, the proposals undergo a project presentation before the Internal R&I Committee for evaluation. Upon approval, the submission of an acknowledgment form is required, followed by the initiation of equipment purchase necessary for the research. The project then progresses into the implementation phase, during which periodic review meetings are conducted to monitor advancements. Upon completion of the R&D project, the outcomes, such as patents, indexed journal publications, or conference presentations, are documented. Finally, a report and utilization certificate (UC) are submitted to conclude the process. This structured approach ensures the systematic evaluation of received proposals, selection of the most promising research initiatives, and effective allocation of funds, fostering innovation and academic excellence within the institution.

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3.20 Facilitating Revenue Sharing for Consultancy Works

Consultancy works facilitate knowledge transfer, innovation, and collaboration between academic institutions, research bodies, and industries. The consultancy project workflow begins with either a pre-visit to the industry for consultancy acquisition or a direct request from the client, initiating the process with the submission of FORM 1 for client request and an expression of interest. Once the request is acknowledged, a consultancy team is formed, and if applicable, a purchase order from the industry is obtained, considering any third-party client involvement. Following this, an MoU with the client (if required) is established, marking the official commencement of the consultancy work. During the execution phase, a mid-term consultancy progress report is prepared to monitor advancements. Upon successful completion, a final consultancy completion report is generated, leading to raising the invoice and settling the bill. Subsequently, a consultancy closure report is prepared, followed by the submission of the revenue-sharing form. The process concludes with the distribution of revenue sharing, documented through FORM 4, FORM 5, FORM 6, and FORM 7, ensuring a structured and transparent consultancy execution.

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D.RESEARCH AND COLLABORATION GROUPS

3.21 Establishing Student Research Council (SRC)

Preamble:

In recent years, the need of research and innovation is growing in rapid phase due to the advancement in various industries. Research is also a critical phenomenon which include studying, experimenting and innovate newer things to make human life style in comfort. In this context, introducing research focus to budding engineers becomes essential. Establishment of a student research forum is expected to facilitate multidisciplinary collaboration and provides a best platform for students to present their research findings and innovative ideas in diversified fields in engineering and technology.

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Student Research Council

The Student Research Council (SRC) is a student organization, partially run by students with the support of the SRC Coordinator and faculty advisor. The SRC encourages the students to organize Conference, workshop, Exhibition, Innovative projects Expo, Hackathon and Industry Experts talk also encourages the students to participate in external events like paper presentation, Innovative projects expo, Hackathon and consultancy.

The SRC helps in research enrichment for the students by engaging students in a vibrant research environment, where they will be surrounded by and can exchange research ideas with peers and near-peer mentors. It is a place where students will have the opportunity to broaden their knowledge of research and to interact with other students who have a shared interest in research.

The SRC provides a public stage for the presentation, assessment and discussion of their scientific investigations as well an opportunity to recognize and award exceptional research efforts. The council will provide exposure to talks from world-class researchers and promote interdisciplinary collaboration between industries and students to foster high-quality, innovative research that will transform our present scientific understanding and ultimately improve their knowledge.

Roles and Responsibilities

1. Organizing an Open House Exhibition for peers and school students

a. Planning an open-house exhibition for peers and school students.
b. Requesting the management's assistance for financial funding to construct a prototype or working model of the potential projects based on the recommendation of the HoD or the Faculty Advisor.
c. Identifying the best projects done by the students for the exhibition.
d. Preparing the posters, circulars, and flyers for promoting the Open House Exhibition.
e. Compiling final closure reports and documenting the process.
f. Making an effort to publish the best projects in the press.

2. Facilitating students' In-House R&D projects with seed money

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a. Collecting potential proposals from the students of MCET periodically.
b. Reviewing the proposals with the help of nominated senior faculty members, alumni, or industry experts.
c. Recommending the management regarding a potential proposal requiring financial support.
d. Monitoring the progress of sanctioned projects with the help of designated faculty guides and the HoD.
e. Arranging a final demonstration for the project's closure report.
f. Attempting to publish the best projects in the press.

3. Conducting Workshops, Symposiums, Hackathons, or Competitions for students

a. Preparing and planning the proposals along with the budget required for hosting (inter- or intra-) Symposiums, Hackathons, or Competitive events.
b. Preparing the brochures and pamphlets for the events.
c. Scheduling the hosts, faculty coordinators, or judges.
d. Designing monetary awards and certificates for the recipients.
e. Collecting copies of the certificates, and the proceedings for the documentation.
f. Endeavouring to publish the best projects in the press.

4. Facilitation filling of Patent / Design / Copyright / Trademarks for students

a. Conducting awareness programmes on "IPR and its significance" for the students of MCET.
b. Organizing ideathon camps to attract inventions.

c. Arranging expert review to identify potential inventions for patents, designs, copyrights, and trademarks.
d. Seeking financial support from the management for filing the IPR with the help of the Faculty Advisor, HoDs, and IPR.
e. Documenting and promoting the granted patents commercially.

5. **Facilitating students' projects in Indexed conferences and journals**

a. Circulating various calls for indexed conferences and selecting journals through Faculty Advisors or HoDs.
b. Arranging training sessions for the students on "Art of Writing Research Papers for
c. Indexed Conferences and Journals" with the help of senior faculty members.
d. Reviewing the article's similarity report in the Turnitin software before submission.
e. Monitoring and consolidating the students' submissions to journals or conferences.
f. Collecting and documenting the copies of the certificates and the proceedings.

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6. **Facilitating participation in industry-driven competitive events or hackathons**

a. Identifying various competitive events in reputed industry and government bodies such as AICTE, Smart India Hackathon, etc.
b. Identifying various industry-powered competitive events and distributing brochures among the students.
c. Recognizing the potential students with the help of the faculty advisors and the HoDs for participation in industry-based competitive events.
d. Monitoring the preparation level of identified batches with the assistance of faculty advisors, alumni, or industry experts.
e. Encouraging and motivating the awardees.
f. Publishing the details of the prize winners in the press.

7. **Facilitating participation in Academic driven competitive events / Hackathons**

a. Identifying academic competitive events and distributing brochures among students.
b. Motivating students to participate in the events conducted by centrally funded institutes such as IITs, NITs, and IIITs.
c. Recognizing the potential students with the help of the faculty advisors and the HoDs for participation in the competitive events.
d. Monitoring the preparation level of identified batches with the assistance of faculty advisors, alumni, or industry experts.
e. Encouraging and motivating the awardees.
f. Publishing the details of the prize winners in the press.

8. Facilitating students' participation in workshops and seminars at reputed institutions

a. Identifying technical events at reputed institutions such as IITs, NITs, and IIITs.

b. Recognizing students and their accompanying faculty members with the assistance of the HoD for their participation.

c. Providing on-duty support for the participants.

d. Collecting and documenting the copies of the certificates.

9. **Enabling students to complete online certificate course from NPTEL and Course Era**

a. List of courses collect from HoDs, through NPTEL coordinator to register.

b. The students also encourage completing the other online courses such as Udemy and Course era.

c. Students, who successfully complete online courses such as NPTEL, will be exempted from appearing for elective courses with the recommendation of the HoDs.

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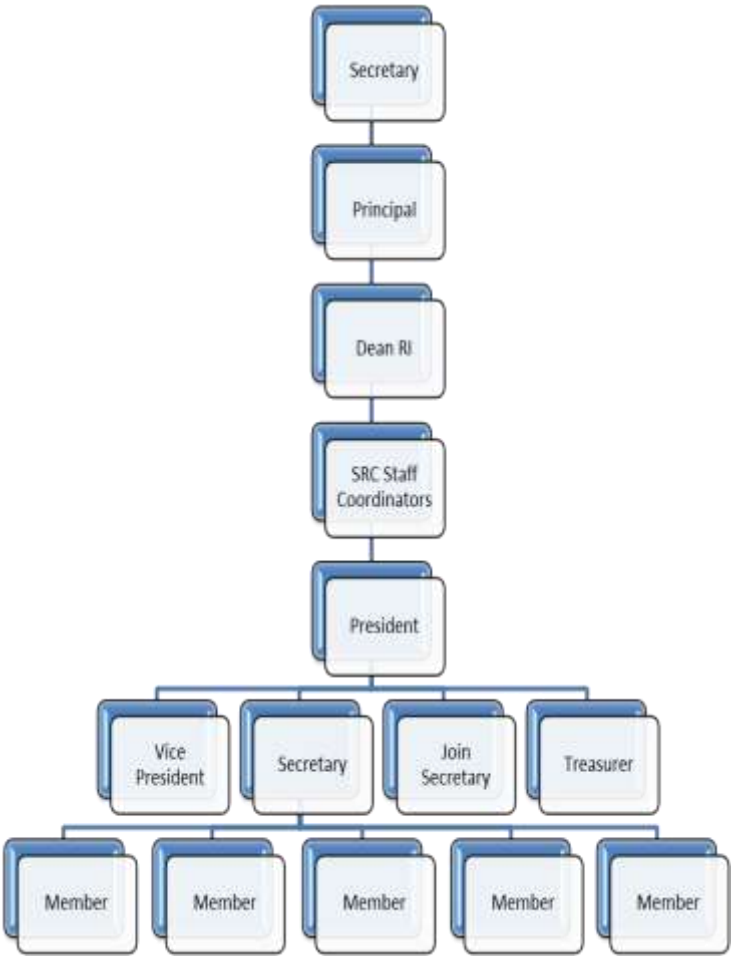
Figure 3.21.1 Structure of SRC



3.22 Establishing Research Interest Groups (RIG)

Preamble:

A Research Interest Group (RIG) has been established with the aim of facilitating the exchange of faculty expertise among faculty members and fostering collaborative interdisciplinary research endeavours.

RIG contributes to enhancing faculty skill development by offering targeted training and sponsoring opportunities for attending training programs at centrally funded research institutions and for online certifications.

Key Features of Research Interest Groups:

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- Knowledge Sharing: RIGs facilitate the exchange of knowledge and expertise among members through seminars, workshops, conferences, and publications.
- Research Meetings: Members typically meet regularly to discuss research findings, share insights, and plan collaborative projects.
- Collaboration: Members often engage in joint research projects, grant applications, and other collaborative activities related to their shared research interests.
- Networking: RIGs provide opportunities for networking and building professional relationships within the field.
- Research Advancement: These groups can help advance research in a particular area by pooling resources, sharing data, and promoting innovative ideas.
- Mentorship: Some RIGs may offer mentorship opportunities, especially for early-career researchers, to support their growth and development in the field.

RIG Domains:

S.No.	Domain Name
1.	Artificial Intelligence and Machine Learning
2.	Data Science
3.	Computer Networks & IoT
4.	Signal &Image Processing
5.	Cryptography and Network Security
6.	Power Electronics and Systems & Control and Automation
7.	RF & VLSI
8.	Materials, Design and Manufacturing
9.	Energy Engineering & Alternative Fuels
10.	Sustainability and Green Technologies
11.	Energy Materials & Bio inspired materials
12.	Fuzzy Mathematics - Applications

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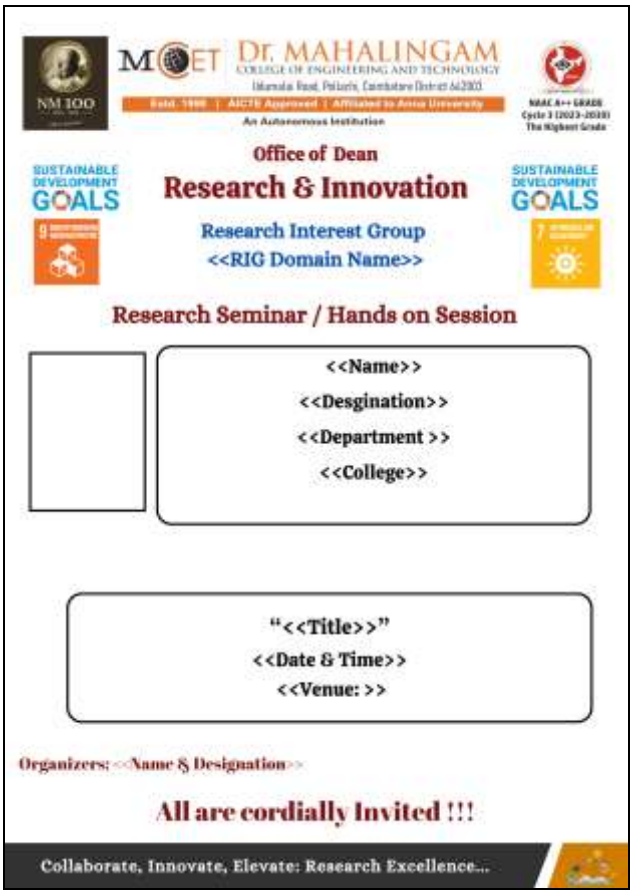
There are 12 RIG domains, and each faculty member will be assigned to one domain as a primary member. Additionally, they can also serve as an auxiliary member or participate in an interdisciplinary domain. Research scholars are expected to contribute in: Research Seminar: A general discussion about the scholar's research domain and major findings. It need not be scholar's own research progress but can include seminars on emerging topics.

Research Tools Hands-On: Hands-on sessions on domain-relevant tools used by the scholar in their research activity. They can learn and demonstrate new tools within their domain or provide advanced-level hands-on sessions on the same tool.

Research Presentation: Discussion on the paper published by the scholar. If no publications are available, base papers followed by the scholar have to be presented.

Research Interest Group Poster Template



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Research Interest Group Report Template

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
(RIG Domain Name)
Research Interest Group

Report on "Title: _____"

Date: _____

About the Session:
(Few words about the RIG and the event focused)

S.No.	Name of the Resource Person	Topic	Date & Time	Venue	No of Participants

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Topics Covered:

Feedback:

Q & A Session/Interaction:

Outcomes:

Photos taken during the Session:

RIG-SPoC	**Dean R&I**
Vice-Principal	**Principal**

3.23 Establishing Tech Express Circle (TEC)

The Tech Express Circle (TEC) is an exclusive platform designed to empower students with hands-on experience and industry-relevant skills, bridging the gap between academia and real-world applications. Through TEC, students gain access to cutting-edge domains such as Cloud Engineering, Artificial Intelligence & Machine Learning (AI & ML), Data Science, Cyber Security, Electric Vehicle (EV) Technologies, Embedded Systems, and more. The platform fosters innovation, collaboration, and skill development through workshops, mentorship programs, industry partnerships, and project-based learning, equipping students with the expertise needed to excel in the evolving tech landscape.

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3.24 Managing Institution's Innovation Council (IIC)

- Ministry of Human Resource Development (MHRD), Govt. of India has established 'MHRD's Innovation Cell (MIC)' to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs). The primary mandate of MIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes while they are informative years. MIC has envisioned encouraging creation of 'Institution's Innovation Council (IICs)' across selected HEIs. A network of these IICs will be established to promote innovation in the Institution through multitudinous modes leading to an innovation promotion eco-system in the campuses. To create a vibrant local innovation ecosystem.
- Start-up supporting Mechanism in HEIs. Prepare institute for Atal Ranking of Institutions on the Innovation Achievements Framework.

- Establish Function Ecosystem for Scouting Ideas and Pre-incubation of Ideas. Develop better Cognitive Ability for Technology Students.
- To conduct various innovation and entrepreneurship-related activities prescribed by Central MIC in time bound fashion.
- Identify and reward innovations and share success stories.
- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
- Network with peers and national entrepreneurship development organizations.
- Create an Institution's Innovation portal to highlight innovative projects carried out by institution's faculty and students.
- Organize Hackathons, idea competition, mini-challenges etc. with the involvement of industries.

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E.RESEARCH COMMUNICATION & PUBLICATION

3.25 Publishing Bi-monthly MCET Research Dashboard

Publishing the bi-monthly MCET Research Dashboard provides a comprehensive overview of the institution's research activities. The dashboard includes research points earned by departments over the bi-monthly periods, along with department-wise details of research publications, intellectual property rights (IPRs), and other research contributions (including unindexed or yet-to-be-indexed works). Additionally, the dashboard features a detailed report generated by AI, offering insights into the research performance and trends across various departments.

Bi-Monthly Research Contribution Template

Front Cover

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Enlightening Technical Minds

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
Establishment in 1998 | Approved by AICTE | Affiliated to Anna University
An Autonomous Institution Since 2011
(A DIVISION OF NIA EDUCATIONAL INSTITUTIONS)

NM 100

MCET Research Dashboard

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Date 27/08/2025

Period: _____ to _____

Office of Dean
Research & Innovation

AY: ____ - ____

MCET Research Dashboard
AY:

Period:

Publication & IPR Count			No. of Publications	Total
No. of Research Publications	Journals	Q1		
		SCIE		
		Scopus		
	Books			
	Book-Chapters			
	Conferences			
No. of IPRs	Patent	Filed		
		Granted		
	Design	Filed		
		Granted		
	Copyright	Filed		
		Registered		
Grand Total				

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Figure 3.25.1 Distribution of Total publications by type (Pie-chart Representation)

Figure 3.25.2 Distribution of IPRs by type (Pie-chart Representation)

Research Points Earned by Depts Over the Bi-Monthly Periods
AY:

Period:

S.No.	Name of the Dept.	Research Points Earned up to 1st BM	Research Points Earned up to 2nd BM	Research Points Earned up to 3rd BM
1	Mech			
2	Auto			
3	Civil			
4	ECE			
5	EEE & EIE			
6	CSE			
7	IT			
8	AIDS			
9	AIML			
10	CYS			
11	MCA			
12	S&H			
Total				

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Figure 3.25.3 Department wise Progress over bi-monthly periods (3D Bar plot representation)
Figure 3.25.4 Department wise Progress over bi-monthly periods (Stacked Bar plot representation)
Figure 3.25.5 Department wise Progress over bi-monthly periods (Bubble plot representation)
Figure 3.25.6 Department wise Progress over bi-monthly periods (Heat Map representation)

Department-wise Details of IPRs

AY:

Period:

S.No	Name of the Department	Patent		Design		Copyright		Total
		Filed	Granted	Filed	Granted	Filed	Registered	
1.	Mech							
2.	Auto							
3.	Civil							
4.	ECE							
5.	EEE & EIE							
6.	CSE							
7.	IT							
8.	AIDS							
9.	AIML							
10.	CYS							
11.	MCA							
12.	S&H							
Total								

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Figure 3.25.7 Research points earned per faculty for publications by departments (Bar chart representation)

Figure 3.25.8 Number of Research Publications by departments (Bar chart representation)

Figure 3.25.9 Research points earned per faculty for IPRs by departments (Bar chart representation)

Figure 3.2.10 Number of IPRs by departments (Bar chart representation)

Figure 3.25.11 Comparison of Research points earned per faculty for Pubications and IPRs by departments (Bar chart representation)

Figure 3.25.12 Comparison of Number of Publications and IPRs by departments (Bar chart representation)

Department-wise of Research Publications

AY:

Period:

S.No.	Name of the Department	No. of Journal Publications			No. of Book Publications	No. of Book Chapter Publications	No of Indexed Conferences	Total
		Q1	SCIE	Scopus				
1.	Mech							
2.	Auto							
3.	Civil							
4.	ECE							
5.	EEE & EIE							
6.	CSE							
7.	IT							
8.	AIDS							
9.	AIML							
10.	CYS							
11.	MCA							
12.	S&H							
Total								

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Figure 3.25.13 Types of Publications by department (Stacked Bar chart Representation)

Figure 3.25.14 Types of Research Publications by department (Heat Map Representation)

Dept. wise Research Dashboard for Publications and IPRs
AY:

Period:

S.No.	Name of the Department	No. of. Research Publications	Research Points Earned for Publications	No. of. IPRs	Research Points Earned for IPR	Total Research Points
1.	Mech					
2.	Auto					
3.	Civil					
4.	ECE					
5.	EEE					
6.	CSE					
7.	IT					
8.	AIDS					
9.	AIML					
10.	CYS					
11.	MCA					
12.	S&H					
Total						

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Figure 3.25.15 Types of IPRs by department (Stacked Bar chart Representation)

Figure 3.25.16 Types of IPRs by department (Heat Map Representation)

Other Research Contributions (unindexed/ yet to be indexed)
(will not be considered for Research Points Calculations)

AY:

Period:

S.No.	Name of the Department	Non Indexed and Yet to be published Research Publications		Total
		Journals	Conferences	
1.				
2.				
3.				
4.				
	Total			

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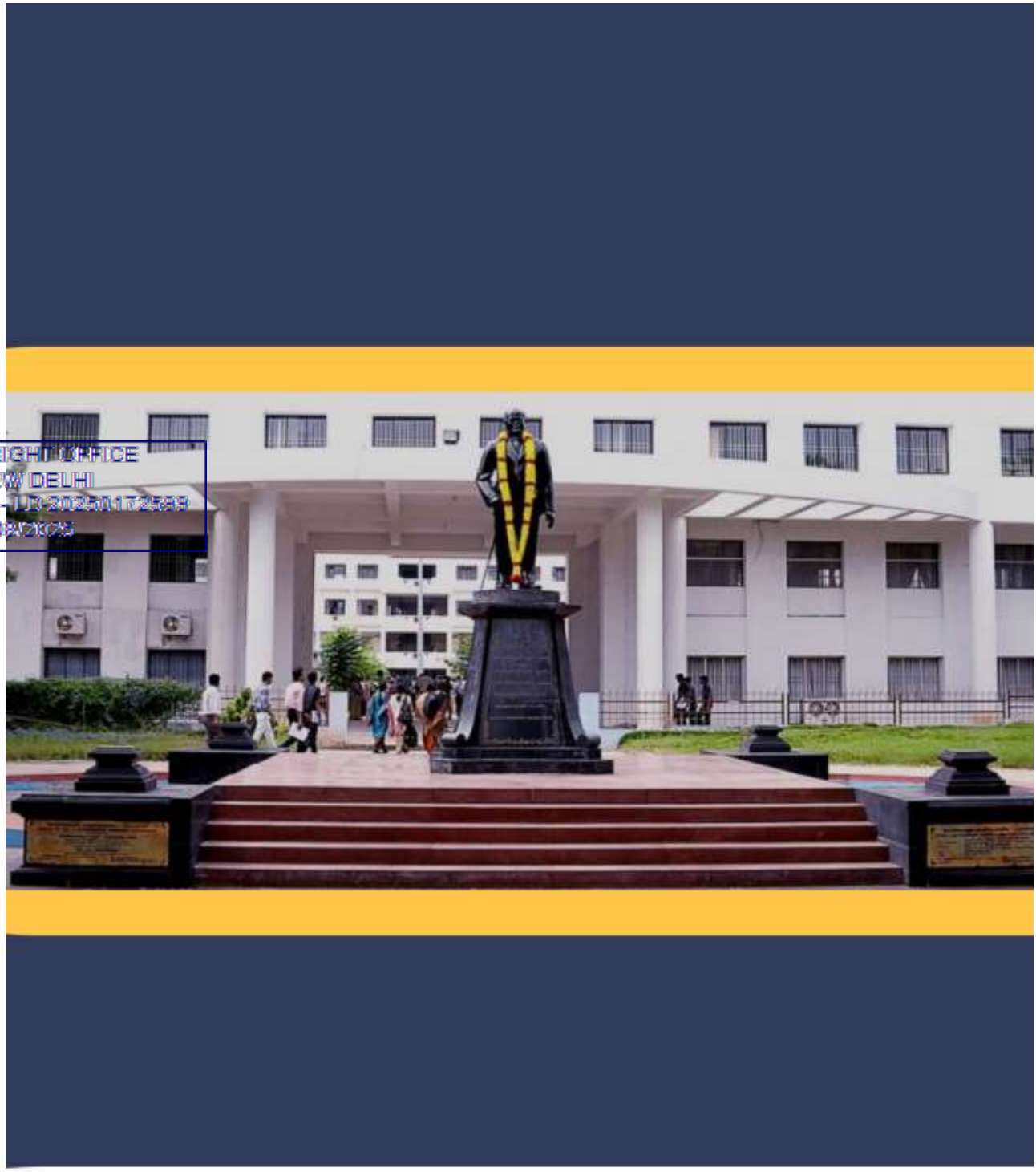

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3.26 Updating Research information periodically in institution webpage

Regularly updating research information on the institution's webpage is a structured process that ensures the latest research activities, publications, and achievements are publicly accessible. This involves collecting updates from faculty and research groups, verifying and formatting the content, and publishing it in a timely manner. By maintaining an up-to-date research portal, the institution keeps stakeholders informed, enhances visibility, and showcases its ongoing contributions to knowledge and innovation. This process also fosters collaboration, attracts potential research partners, and strengthens the institution's reputation in the academic and industrial communities.

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3.27 Publishing R&I Newsletter

Publishing the Research & Innovation (R&I) newsletter is a structured process that involves releasing four issues annually, each highlighting key research and innovation activities within the institution. Every issue features updates on ongoing projects, notable achievements, recent publications, and significant events such as conferences, workshops, and collaborations. The newsletter serves as a platform to showcase faculty and student research contributions, foster interdisciplinary engagement, and promote a culture of innovation. By disseminating valuable insights and progress, it enhances institutional visibility, encourages knowledge sharing, and strengthens connections with industry and academic partners.

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R&I Newsletter

Vol.__ Iss.__

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AY ____ -____

Period: _____-_____

Editors:

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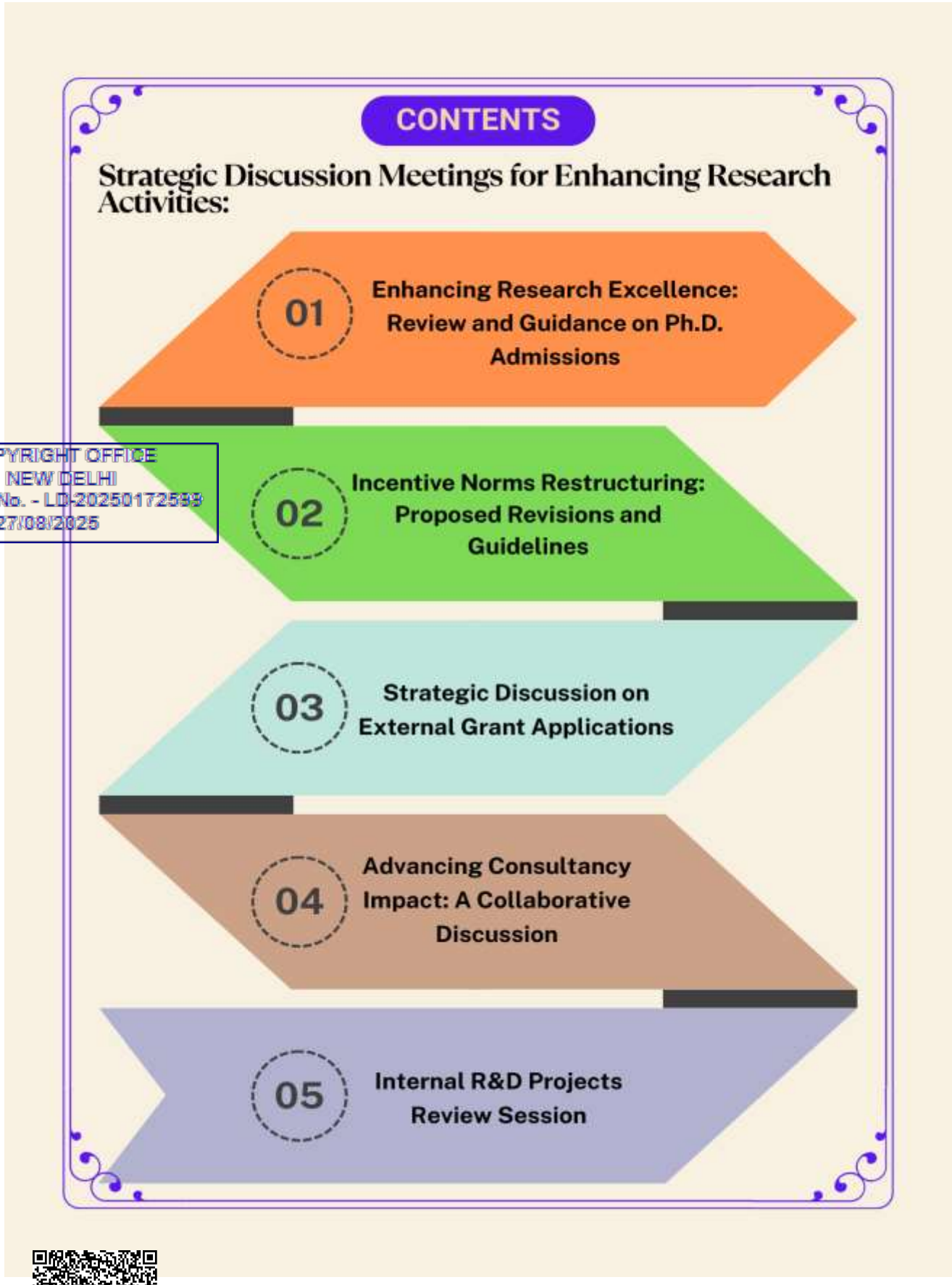

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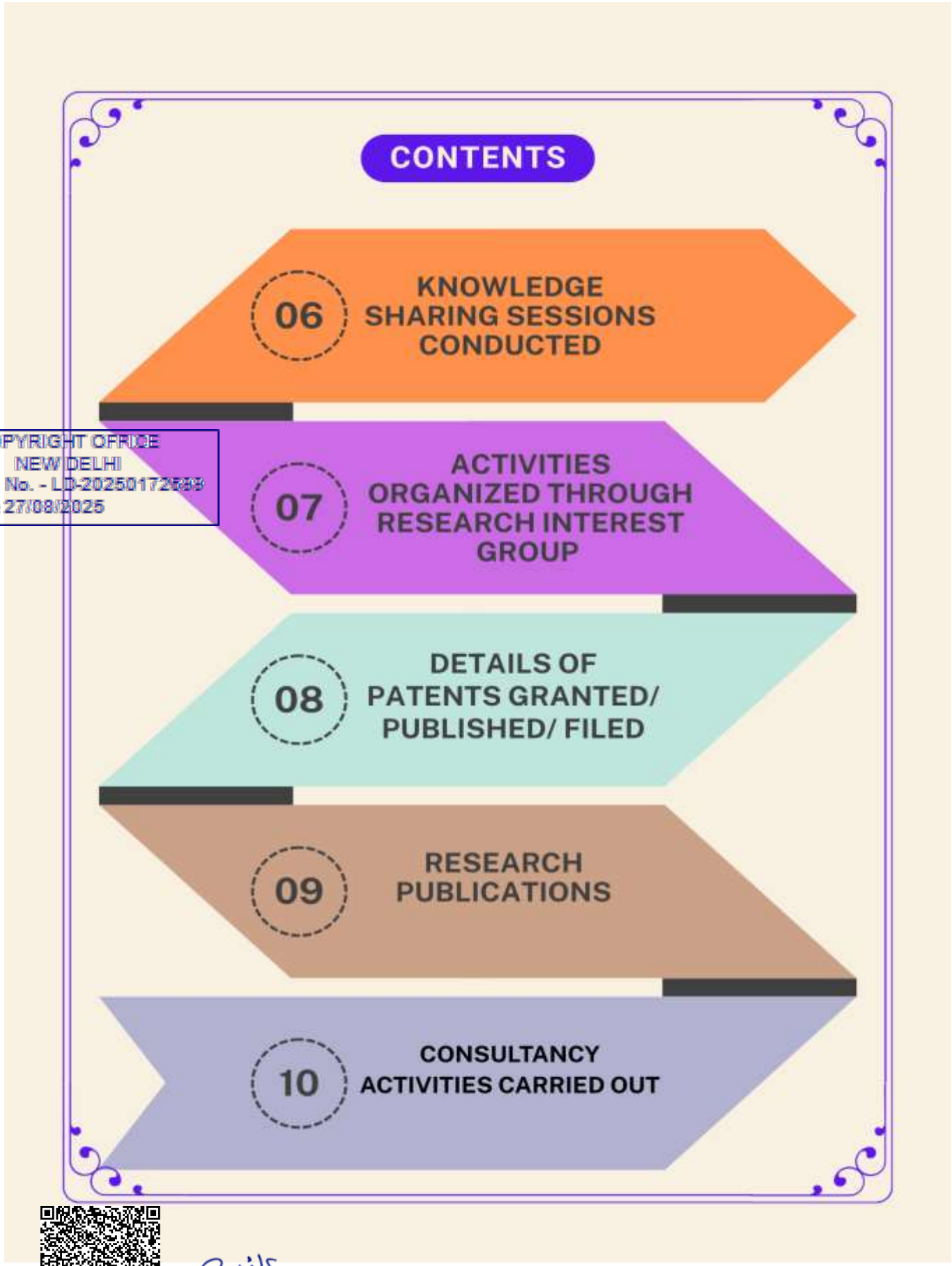

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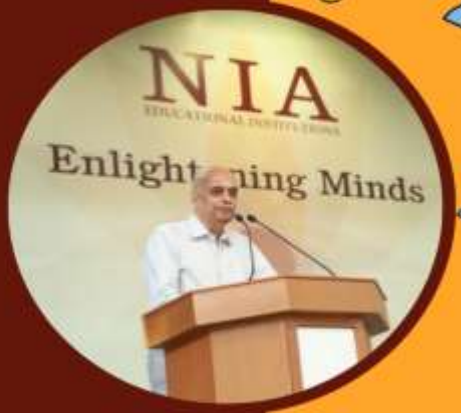

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3.28 Circulating Call for Proposals for external grants

Details about calls for proposals are periodically sent to department faculty members, inviting them to submit proposals to various agencies. Circulating the call for proposals for external grants involves a systematic process of periodically collecting, curating, and distributing information about funding opportunities, to faculty members. This proactive approach ensures that faculty are well-informed about available grants, research collaborations, and scholarly events, enabling them to explore potential funding sources and academic engagements. By regularly sharing these opportunities, the institution fosters a culture of research excellence, encourages faculty to submit competitive proposals, and supports their active participation in various academic and professional initiatives.

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3.29 Publishing Research Process Handbooks

Publishing Research Process Handbooks is an essential initiative that provides faculty and students with clear, structured guidelines on conducting research, ensuring improved quality, consistency, and adherence to best practices in academic work. These handbooks serve as comprehensive resources covering various aspects of research, including ethical considerations, documentation standards, and methodological approaches. Additionally, process handbooks are prepared for various Research & Innovation (R&I) activities such as research publications, securing and managing funded projects, consultancy work, intellectual property rights (IPR), and guidelines for PhD scholars and supervisors. By standardizing research procedures across the institution, these handbooks foster a culture of academic integrity, streamline research workflows, and enhance institutional research output.

3.30 Developing process flows, templates and forms for various R&I activities

Developing process flows, templates, and forms for various Research & Innovation (R&I) activities plays a crucial role in streamlining workflows, standardizing procedures, and ensuring efficient documentation and execution of research initiatives. These structured resources provide clear guidelines, improve consistency, and simplify administrative processes, enabling faculty and researchers to focus on high-quality research. Process flows, templates, and forms are meticulously designed for key R&I activities, including research publications, securing and managing funded projects, consultancy engagements, intellectual property rights (IPR), and support for PhD scholars and supervisors. By implementing these standardized tools, the institution enhances transparency, facilitates smoother research operations, and strengthens institutional research governance.

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3.31 Creating and Updating IRINS Profile

Creating and regularly updating IRINS (Indian Research Information Network System) profiles ensures that faculty members and their research outputs are accurately represented in national databases. This process involves compiling and verifying information related to publications, projects, patents, citations, and academic contributions to maintain a comprehensive and up-to-date record. Keeping these profiles current enhances the visibility and recognition of faculty research, facilitates collaborations, and strengthens the institution's research reputation at national and international levels. Additionally, an updated IRINS profile aids in institutional benchmarking and performance assessment, contributing to overall research excellence.

3.32 Preparing Annual reports for RIG, SRC, KSS and Annual report of R&I activities

Preparing annual reports for Research & Innovation Group (RIG), Sponsored Research Cell (SRC), Knowledge Sharing Sessions (KSS), and other Research & Innovation (R&I) activities is a structured process that provides a comprehensive summary of the institution's research progress, key achievements, and future goals. These reports document significant milestones, research publications, funded projects, consultancy activities, intellectual property developments, and academic collaborations. By systematically compiling and analyzing research data, the reports support institutional growth, enhance transparency, and ensure accountability. Additionally, they serve as valuable references for strategic planning, accreditation processes, and showcasing the institution's research contributions to stakeholders, funding agencies, and industry partners.

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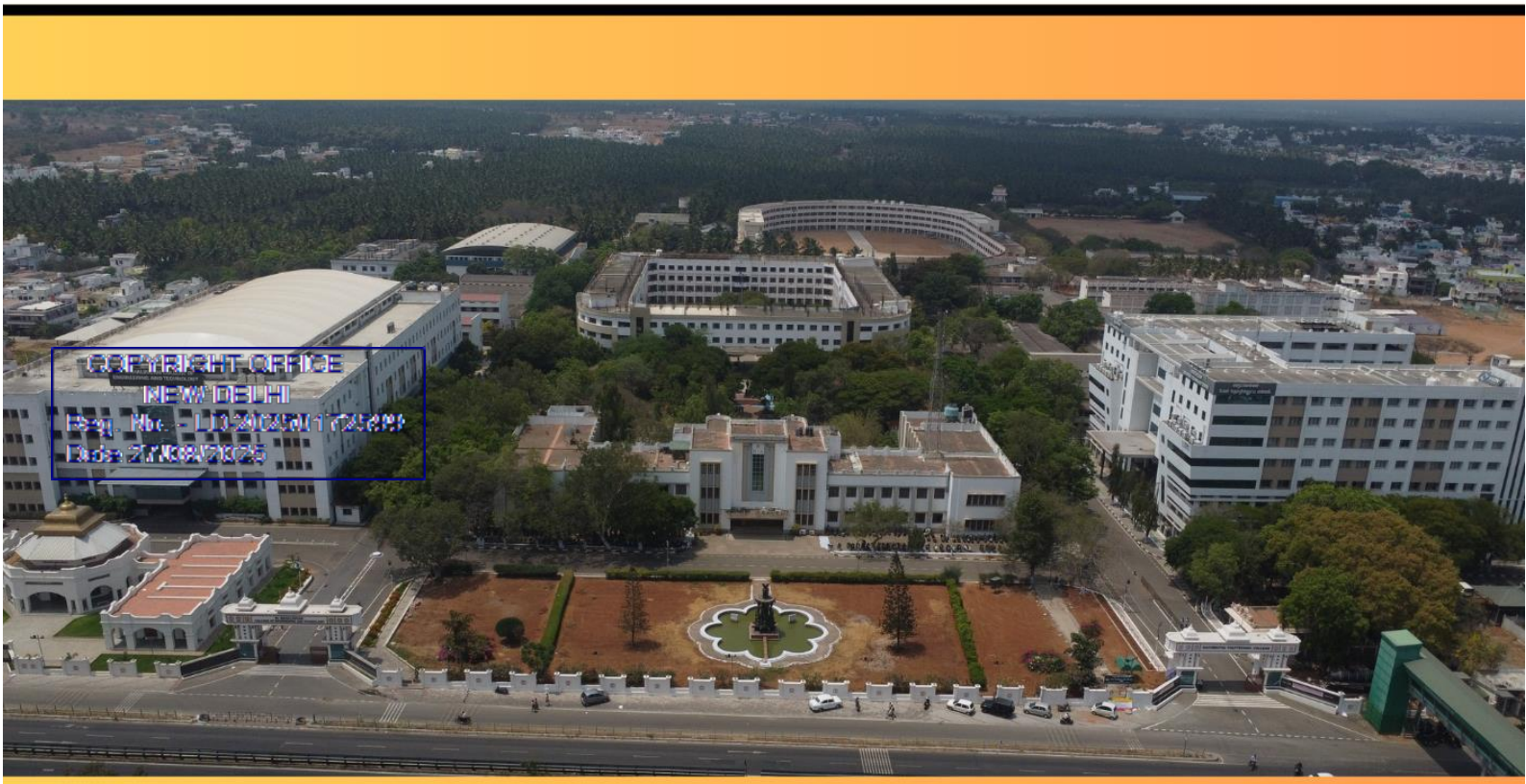

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