



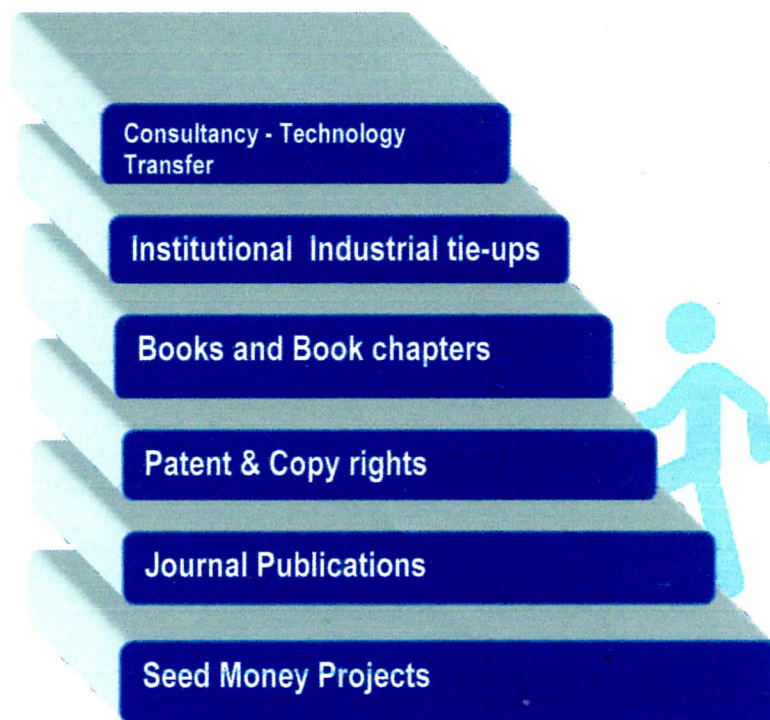
NEHRU ARTS AND SCIENCE COLLEGE

(AUTONOMOUS)

(Affiliated to Bharathiar University Accredited with "A" Grade by NAAC)
Nehru Gardens, Thirumalayampalayam, Coimbatore - 641 105, Tamil Nadu.
www.nehrucolleges.net



Centre for Research & Development Cell



NASC - CBE
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CENTRE FOR RESEARCH & DEVELOPMENT CELL



PREAMBLE

Research constitutes theoretical interpretation and experimental components to reach meaningful conclusion. There is interdisciplinary and multidisciplinary research which constitutes many disciplines and disciples. In an academic institution research plays a vital role in inciting scientific temperament in faculties and students. Government of India through various funding agencies and Management of self-financing college offer substantial financial support to carry out research which leads to publication either in peer reviewed journal or to a product, which results in patent or copyrights and transfer of technology.

In order to avail the funds from various Indian agencies, the research board circulates the advertisement advertised in the web site to all faculty members. Similarly, the Management circulars for submitting in-house projects are also circulated among all faculty members. In addition, advertisement relevant to students Internship, Summer Research Fellowships and Visiting Scientist Fellowship offered by various Indian Academy of Sciences and Central institutes like – TIFR, CNeS, IIT's are also disseminated among staff and students. This is to stimulate faculties and students to pursue research in Central Institute under the guidance of Fellow of National Academy of Science and Scientist. This pave way for younger generation to identify, do domain specific quality research and get through UGC - CSIR-NET exams. Faculties are also encouraged to submit proposals for getting financial assistance for organizing both national and international level Workshop/Conferences/Symposium/Seminar.

Members of faculty receive incentives for their contribution in increasing infrastructure of the department through funding agencies, publishing books and book chapters, patenting their products and obtaining copyrights, publishing articles in SCI/WoS/high impact factor journals.



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In order to fulfill the vision and mission of NASC the vision and mission of Research Board is:

VISION

To nurture the idea of faculty and students in the area of Research & Development by providing seed money through in house projects and guiding them to get government funds for implementing their innovative research and product development ideas.

- To motivate faculty to undertake Seed Money Projects and assist in filing research proposals for grants from various funding agencies like UGC, DBT, DST etc.
- To encourage multi-disciplinary research internally within the institute and externally with other organizations
- To encourage the staff and students to attend/present and publish papers in various national/International conferences of their area of specialization.
- Assists the faculty, research scholars and students in filing of IPRs like patents and copy rights

MISSION

OBJECTIVES

- Encourage and facilitate interdisciplinary and multidisciplinary research within different departments and institutes
- Include research as an integral part of syllabi.
- Increasing i10 of each research guide.
- Organizing value added workshops to all faculties in order to increase research proposal submission and acquire financial assistance from various funding agencies.
- Patenting the product and getting copy rights.
- Transferring the standardized technology to industries and commercializing the product in the market.
- Consultancy services to PG students to do their dissertation and solving the persisting problem in industries.



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MEMBERS

Chairperson : Dr. B. Anirudhan, Senior Most Professor & Principal

Director : Dr. V. Shanmugam, Associate Professor,
Department of Biotechnology

<p>Dr. T. Ramaprabha Associate Professor Dept. of Information Technology</p> <p>Dr. A. Reena Assistant Professor Dept. of Maths</p>	<p>Increasing Book and Book chapter publication.</p>	<p>Guiding members of faculty to publish Book and Book chapters either individually or in group. Collection of soft copies of published books and Book chapters</p>
<p>Dr. Deepa Mundekkad Project Director</p>	<p>Guiding students and faculties to submit project proposals to various funding agencies. MoU - Institutional - Industrial tie- ups.</p>	<p>Collecting the data and its maintenance in the soft form with proof.</p>
<p>Dr. V. Shanmugam Associate Professor, Department of Biotechnology</p>	<p>Guiding students to submit Ph. D. applications through online.</p>	<p>Collecting selected candidate applications / Fees data / DC meeting / Synopsis and Thesis submission. Motivating members of faculty to publish research findings in relevant Scopus indexed journal. Retrieving all the essential information in the soft form.</p>
<p>Dr. K. Prathapchandran Assistant Professor Dept. of Computer Applications</p>	<p>Guiding faculties in filing patent and copy rights</p>	<p>Collecting all the relevant data in the soft form</p>
<p>Dr. S. Kannan Associate Professor Department of IoT</p>	<p>Seed Money Project</p>	<p>Collecting proposals and scrutinizing it with subject expert.</p>
<p>Dr. Raja Rajeswari Associate Professor, Department of Commerce</p>	<p>Selecting best summer project of II UG internally.</p>	<p>Acknowledging in the Friday prayer with certificates.</p>



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WORKING GUIDELINES

- ❖ The Centre director and Committee members prepare the annual plan of action based on the Research Advisory Committee, Research Board Members recommendation and inputs given by students' minister of our college.
- ❖ The Principal, Nehru Arts and Science College is the final authority to approve all the programmes
- ❖ The CEO and Secretary, Nehru Group of Institution, Coimbatore is the final authority to decide the fund allotment for each programme.
- ❖ Each programme is followed by feedback analysis and documented.
- ❖ The Centre organizes Guest lecture / Workshop / regularly in each semester. The feedback analysis and follow up are done constructively and documented by the Centre
- ❖ Updating the information relevant to Research and Development Cell in the UGC website regularly.
- ❖ The Centre periodically organizes extensional activities like Science Expo / Hands on training in nearby Government / Private Higher Secondary Schools.
- ❖ The Centre motivates and guide members of faculty to publish their research findings in either Scopus indexed journal or SCI journals to ensure that it reaches scientific community.
- ❖ The Centre along with IQAC offer research incentives to all the contributors in article publication / filing patent / copyrights/ Book and Book chapter publications.
- ❖ The Centre organizes research scholar meeting once in every semester and also shares the updation made by UGC to all scholars.
- ❖ The Centre organizes Research Board Meeting and Research Advisory Committee meeting for every six months.
- ❖ The centre insists each research scholar to present their progress in admist of all domain specific PG students / faculties / research committee members and submit the progress report in proper format through proper channel to Director R&D.



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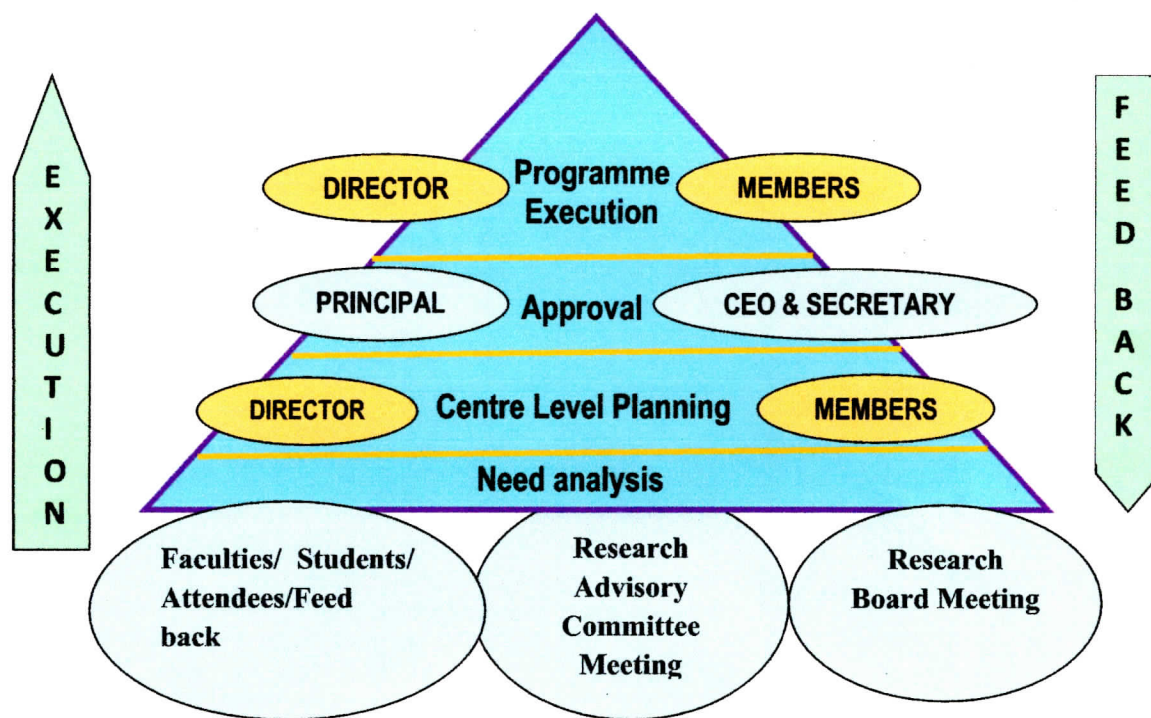
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- ❖ The Centre conducts workshops/training programmes to enhance the research capacity of the faculty in collaboration with Centre for Capacity Building.
- ❖ The Centre also offer support to faculties and research scholar to check plagiarism through Urukund and relevant software.
- ❖ It works to enhance the participation of faculties and students in workshops/seminars/conferences/ symposium/training programmes and documents the progress

PROGRAMME EXECUTION





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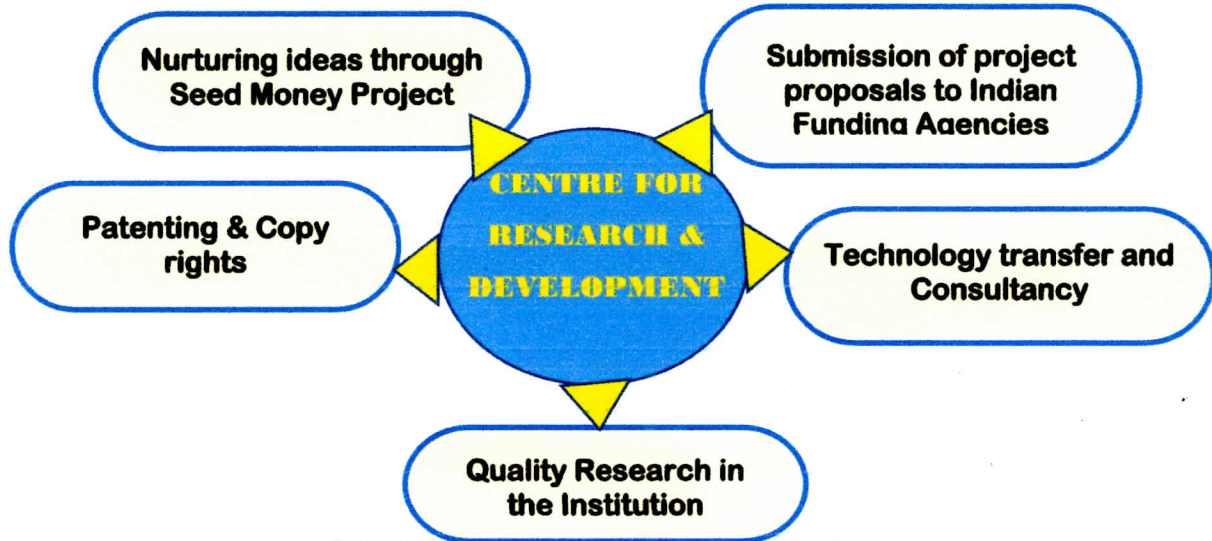
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FOCUS OF THE CENTRE

The centre for research and development continuously monitors the progress of activities in fulfilling the objectives and continuously strive in updating the knowledge harmoniously.



Activities for the Year 2022 - 2023

Date/Month of the Activity	Name of the Activity	Target group	Number of Beneficiaries	Programme outcome
11/11/2023	Research Methodology - Problem solving and ideation	Student and faculties	45	The attendees realized the purpose of research for societal awareness and sequence of analysis through various software for reaching meaningful conclusion
26/11/2023	Role of smart materials in nanoscience	Student and faculties	70	The attendees realized the progress of this impressive nano science technology in serving human community.
27/09/2023	Research Tools and techniques	Student and faculties	50	The attendees understood the importance of ethics that has to be followed in general and while performing experiments and submitting manuscript
Total			165	

V. Shanmugasundaram
CFRD DIRECTOR 8/5/23



[Signature]
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