



The ICFAI University, Tripura

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*2 Day Workshop
on*

“Writing Effective Grant Proposals for Securing Research Funding from Government Agencies”

Date: April 22 & 23, 2025

Venue: Ground Floor Auditorium, IUT

Organized by the Internal Quality Assurance Cell (IQAC), IUT

Resource Person: Dr. Anant Ram, Former UGC Official and Advisor, R&D

INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

THE ICFAI UNIVERSITY
TRIPURA

21 OVER TWO DECADES
OF EXCELLENCE IN
PROFESSIONAL
EDUCATION

THE ICFAI UNIVERSITY TRIPURA
The Internal Quality Assurance Cell (IQAC)

Organizes a
A Workshop
on

**“Writing Effective Grant Proposals for Securing Research Funding
from Government Agencies”**

Resource Person

Dr. Anant Ram
Former UGC Official and Advisor, R&D

22 April, 2025 &
23 April, 2025

Academic building, Ground Floor Auditorium
(Seminar Room)

Overview

A two-day workshop on “Writing Effective Grant Proposals for Securing Research Funding from Government Agencies,” was conducted at IUT on 22/04/2025 & 23/04/2025, under the guidance of Dr. Anant Ram, Former UGC official and CEO, HEARP New Delhi. The workshop aims to provide practical insights into identifying funding agencies, aligning research ideas with appropriate schemes, and enhancing proposal-writing skills, including budgeting and grant management.

Programme Schedule

Date	Time	Particulars
22nd April, 2025	9:30 AM to 9:45 AM	Inaugural Session
	9:45 AM to 11:45 AM	Technical Session 1: Funding Agencies, Research Idea Selection, and Scheme Mapping (*Engineering, Basic Science & Allied Health)
	11:45 AM-12:00 Noon	Tea Break
	12:00 PM to 2:00 PM	Technical Session 2: Gap analysis for the rejected project proposals and future roadmap (*Engineering, Basic Science & Allied Health)
	2:00 PM to 2:45 PM	Lunch Break
	2:45 PM P.M to 6.00 PM	Technical Session 3 Gap analysis for the rejected project proposals and future roadmap (*Engineering, Basic Science & Allied Health)
23rd April, 2025	9:30 AM to 12:30 PM	Technical Session 4: Funding Agencies, Research Idea Selection, and Scheme Mapping (*FMC, Edu., Phy. Edu., SplEdu., Law, FLA)
	12:30 PM-1:30PM	Interaction with Head of the Departments (HODs) for monitoring the submission of project proposals
	1:30 PM to 2:30 PM	Lunch Break
	2:30 PM to 8:30 PM	Hands on Training and Gap analysis for the rejected project proposals and future roadmap. (*FMC, Edu., Phy. Edu., SplEdu., Law, FLA)

Key Points

All sessions were interactive with active participation from faculty members. Action plans were provided to departments for developing department-level plans, which would then be consolidated by IQAC for university-level action plans.

Following components covered very elaborately in the entire programme:

- The rejected proposals were reviewed and directed faculty members for required correction and modifications.
- It is mandatory for every faculty member to have at least two SCI publications for DST Research grant.
- One patent for each year is mandatory to get DST and other international Research grant.
- Previous experience and good publication is very much essential to get the project grant.
- For acquiring the experience, faculty members can start seed money project in the same field through the institutional fund.
- Faculty members to be encouraged for fellowships, Travel grant and awards which will give a great help for granting.
- Faculty members are advised to make joint proposal in collaboration with other national and international reputed organizations which will be easier to get the project grant.
 - To develop good collaboration with different National and International institutions, faculty members must organize seminar/conferences and invite such people from other institutions with whom they can collaboratively write research project for the funding agencies such as Indo – Japan, Indo-Australian etc.
- Department wise and University Wise Research Calendar to be made for tracking the research status and monitoring.
- Budgetary portion for a proposal to be made properly. Financial provisions for the research staff like JRF, SRF, RA and other field staff to be prepared with proper guidelines of the organizations.
- Initially the faculty members can go for Travel, Seminar, Conference and Workshop grants which are very easy to get.
- For project grants, small projects can be submitted for initial granting which will help to get big project in future.
- One University Level Review and Monitoring team to be made or the existing RAC committee can be restructured for the same. The Team will conduct weekly meeting on regular basis and monthly the team along with the concerned faculty members will have a meeting with Dr. Anant Ram for finalizing the project proposal and submission to the organizations portal.
- Science and Engineering faculty members can go for DST, DBT, CSIR and DST SUNIL grants.
- Social Science faculty members can go for ICSSR, DST SUNIL grants and other funding agencies.
- Women faculty can go for National Commission for Women (NCW), and ICSSR grants which are specially meant for women.
- Faculty members must explore different state government departments for small project funding.
- All the faculty members with Ph.D. are expected to write at least two proposals per semester.
- Every month the University is targeted to submit minimum 10 proposals.

- Within 30th April, 2025 at least 5 proposals to be submitted for which the concerned faculty members are advised to submit the draft proposals within 28th April, 2025 to the IQAC and 29th April, 2025 an online meeting will be held with Dr. Anant Ram to submit those proposals within 30th April, 2025 to 5th May, 2025.
- Dr. Anant Ram Highlights the following matters for getting grants and enhance the quality for both faculty level and University level:

➤ ***Recommended various types of grants which includes:***

1. Core Research Grants (Individual/ Group)
2. Collaborative Research Grants (Alongwith other Institutions)
3. Institutional Grants (DST-TBI, MNRE-CoE, MEITY-CoE, DST-FIST, DST-PURSE, DST-NIDHI-CoE, MoE-AI CoE, AYUSH-COE, MIN OF TEXT-COE SCT Hub, MSME-HI, CoE, Bio-ManufHub, E-YuvaCentre, WTP)
4. Seminar/Conference/Symposia /Workshop Grants
5. Travel Grants
6. Innovation Grants
7. Research Awards/Fellowships/ Scholarships
8. Industrial Consultancy
9. CSR/Research Grants
10. International Research grants

➤ ***A Compendium of Funding agencies for multiple areas include:***

1. Department of Science & Technology (DST)
2. Anusandhan National Research Foundation (ANRF)
3. Department of Biotechnology (DBT)
4. Council of Scientific and Industrial Research (CSIR)
5. Indian Council of Medical Research (ICMR)
6. Dept of Health Research (DHR)
7. Biotechnology Industry Research Assistance Council (BIRAC)
8. University Grants Commission (UGC)*
9. All India Council For Technical Education (AICTE)
10. Indian Council of Social Science Research (ICSSR)
11. Indian Council of Agricultural Research (ICAR)
12. Min of Electronics and Information Technology (MEITY)
13. Ministry of Micro, Small and Medium Enterprises (MSME)
14. Ministry of Environment & Forests (MoEF)
15. Ministry of Earth Sciences (MoES)
16. Ministry of Food Processing Industries (MoFPI)
17. Ministry of Human Resource Development (MHRD/MoE)

18. Department of Scientific and Industrial Research (DSIR)
19. Dept of Coal
20. Min of Water Resources
21. Indian Space Research Organization(ISRO)
22. Min of Textile
23. Ayurveda, Yoga & Naturopathy, Unani, Siddhaand Homoeopathy (AYUSH)
24. National Research Development Corporation (NRDC)
25. Ministry of New and Renewable Energy (MNRE)
26. Ministry of Culture
27. Min of Tribal Affairs
28. Indian National Academy of Engineering (INAE)
29. Ministry of Women & Child Development (WCD)
30. Central Power Research Institute (CPRI)
31. Min of Agriculture (MoA)
32. Atomic Energy (DAE), BOARD OF RESEARCH IN NUCLEAR SCIENCES (BRNS)
33. Defense Research and Development Organization(DRDO)
34. National Commission for Women (NCW)
35. National Board for Higher Mathematics (NBHM)
36. *Indian* Council of PhilosophicalResearch(ICPR)
37. Dr. AmbedkarFoundation (DAF)
38. NitiAayog
39. Solar Energy Corporation of India (SECI)
40. Indian Knowledge System (IKS-AICTE)

➤ ***Seminar/Conference/Workshop Grants include:***

- 1.ANRF-Conference /Seminars (Open)
- 2.AICTE-Conference /Seminars (Open)
- 3.BIRAC-Biotechnology Industry Research Assistance Council
- 4.CSIR-Seminar/Conf Grants(Open)
- 5.DBT-Seminar/Conf Grants(Open)
- 6.DHR-Seminar/Conf Grants
- 7.DRDO-Conference /Seminars (Open)
- 8.INSa-Seminar/Conf Grants(Open)
- 9.ISRO -Conference /Seminars (Open)

- 10.ICMR-Conference /Seminars (Open)
- 11.ICSSR-Conference /Seminars (Open)
- 12.ICHR-Conference /Seminars (Open)
- 13.ICPR-Conference /Seminars (Open)
- 14.MoEF-Conference /Seminars (Open)
- 15.MoES-Conference /Seminars (Open)
- 16.MEITY-Conference /Seminars (Open)
- 17.MNRE-Conference /Seminars (Open)
- 18.Min of Water Resources (JalShakti) (Open)
- 19.Min in of Ayush-Conference /Seminars (Open)
- 20.NHRC-Conference /Seminars (Open)
- 21.NBHM-Conference /Seminars (Open)
- 22.NCW-Conference /Seminars

➤ **Travel Grants include:**

- 1.Anusandhan National Research Foundation (ANRF)
- 2.All India Council for Technical Education (AICTE)
- 3.Indian National Science Academy (INSA)
- 4.Council for Scientific and Industrial Research (CSIR)
- 5.Department of Bio-Technology (DBT)
- 6.Indian Council for Medical Research (ICMR)
- 7.National Board of Higher Mathematics (NBHM)
- 8.Indian council of Social Sciences Research (ICSSR)
- 9.Indian Council for Historical Research (ICPR)

➤ **State Level S&T Councils/ Departments:**

1. TRIPURA STATE COUNCIL FOR SCIENCE & TECHNOLOGY
2. Tamil Nadu State Council for Science and Technology (TNSCST)
3. Assam Science Technology & Environment Council (ASTEC)
4. Gujarat Council on Science and Technology (GUJCOST)
5. State Council for Science and Technology, Rajasthan
6. Council of Science and Technology (CST) of Uttar Pradesh
7. Rajiv Gandhi S&T Council, Maha

8. Telangana State council for Science and Technology
9. State Council of Science & Technology Andhra Pradesh
10. State Council for Science and Technology Assam
11. Science Technology & Environment Council Bihar
12. Council on Science and Technology Chhattisgarh
13. Council of Science & Technology Uttar Pradesh
14. Department of Science & Technology Delhi
15. Punjab State S&T Council,
16. Odisha State Council on Science & Technology (OSCOST)
17. State S&T Council -Andaman & Nicobar

➤ **International Joint Research Grant:**

Australia, Austria, Belarus, Belgium, Canada, Denmark, Egypt, Finland, Germany, Israel, Italy, Japan, Mexico, Norway, Philippines, Portugal, Russia, Sri Lanka, Slovenia, South Africa, Sweden, Switzerland, Thailand, UK, USA.

➤ **Attributes for getting Research Grants**

1. Innovative/Noble Idea/ Original topic of Research
2. PhD/ MD/MS/MDS is must; PDF/DSc/D.Litt is better
3. Nos. of Quality Publications (SCI/WoS/ Pubmed/Int.) (15+)
4. Patents/ IPRs (5+)
5. Books/Chapters/ Articles (5+)
6. Collaboration with Reputed Institutions/ Labs/ Industry/NGOs
7. R&D Project exposure, as PI/CO-PI (Govt/Non Govt) (2)
8. R&D grant Projects Submitted yearly (8+)
9. R&D Grants /Aid Received from Govt/Non-Govt Sources (2+)
10. Fellowship/ Scholarship/ Travel Grant Received (1+)
11. Professional Body Memberships (2+)
12. Awards/ Recognition/ Appreciation (2+)
13. National/ Int. Conf/Seminars/ Webinars/ Events Organised/ Participated (8+)
14. Consultancy/ Seed fund (2+)
15. Review /Evaluation of Proposals before submission

➤ **Institutional Attributes Required**

1. NAAC
2. NIRF Ranking
3. DSIR-SIRO Recognition
4. NBA
5. NABL
6. NABH
7. Global Accreditation

8. 2f/12 b Status/
9. Autonomous/Graded autonomy of UGC
10. Academic Collaboration (IITs/NITs/ CUs/SUs Reputed Institutions)
11. Industrial Collaboration
12. International Collaboration

➤ **Tips for drafting effective Grant Proposals**

1. Title of the proposed research project:
2. Innovativeness/ Novelty/ Original Idea
3. Matching the Priority /Thrust area of funding agency
4. Problem Statement/Research Gap Identified
5. PI / Research Team Competency & Experience
6. Relevant Publications/Patents /Books/ Chapters/Consultancy
7. Appropriate Methodology:
8. Realistic Budget:
9. Time-line: Quarterly / monthly basis/Gantt Chart
10. Outcomes / achievable targets/ Deliverables .

➤ **Tips for Writing R&D/ Seminar/Conf/Workshop proposals**

1. Initially, go for small funding grants, Seminar/ Conf /Workshop/ Capacity building, Training grants Seed grants, Travel Grants, Innovation grants, small Grants, Fellowships, Awards etc
2. Write R&D Proposals with budget below Rs 20-40 Lakhs and keep equipment cost below 30% of total budget and aligned with Timeline
3. Strength of core Research team (PI and Co-PIs) Engage a Co-PI is from other Institute /R&D Labs/SIRO/Research Institutions, / International Institution/Industry experts will be preferred.
4. Research Competency -quality publications SCI, Scopus, WoS/patents/ copyrights, books/Chapters, consultancy work, NGO-Awards / Recognition/ appreciation/fellowships etc will be considered.
5. Proposal submitted by Women faculty members, SC/ST, OBC, PH, Minority etc. will be given preference
6. MoUs/Collaboration with Top Institutions, Industry and Foreign Institutions will be an advantage for joint research projects.

➤ **Budget of R&D Grant Proposal**

Some of the details of Budget of R&D Projects

1. Research Personnel/Staff (<25%-40%)
2. Consumables, (<2%-10%)
3. Travel, (<2%-5%)
4. Equipment, (<10%-30%)
5. Contingency, (<5%-10%)
6. Overheads (3%-10%)
7. Miscellaneous Expenses, if any (5%)

➤ **Approval Process**

1. Level 1-Initial Preliminary scrutiny
2. Level 2–Reviewed by 3-5 empanelled Reviewers,
3. Level 3-The Proposals along with the Reviewers’ Comments are placed for approval before the Project Advisory and Committees (PAC).PI may called for presentation before PAC.
4. Level 4-The recommended Proposals shall be taken up for financial support depending upon final approvals by the Competent Authority
5. Level 5-Finally, Issuance of approval letter/ email/ portal.
6. Plagiarism: The project proposals before submission should be subjected to plagiarism check by standard software. Plagiarized proposals are liable to get rejected.

➤ **Action Plan for Development of R&D Ecosystem**

1. Establishing Research Advisory Board (RAB) 30% external member
2. Monthly/Fortnightly Discussion on Mentoring faculty members to write effective grant proposals for submission of grant proposals
3. Quarterly Research plan for next 3 months
4. Yearly Research Plan to get one grant –one faculty
5. Long term Research Plan –for next 3-5 Years
6. To get State/National /International Grants, Accreditation, NAAC A+, NIRF Top 100, Global Ranking, Research Centres/ Centre of Excellence funded by Govt. grants.

➤ **Currently available Research Grant Opportunities**

1. CONFERENCE /SEMINAR/WORKSHOP GRANTS
2. TRAVEL GRANTS
3. INNOVATION GRANTS DSIR-PRISM/TDUPW
4. DST-WISE SCOPE
5. DST POWER FELLOWSHIP
6. CSIR-SPONSORED RESEARCH GRANTS
7. Various Fellowships/Scholarships
8. Awards

➤ **Roadmap/Research Calendar for seeking grants from Govt. funding agencies**

1. AzimPremjiUniversity Health Research Grants 2025 -(30-4-25)
2. BIRAC-Precision Biotherapeutics-mRNA Therapeutics 15-5-25
3. DBT Call for Proposals on Enzymes (30-4-25)
4. DBT Proposals Climate Resilient Agriculture (30-4-25)
5. DBT Star College ProgrammeGuidelines for 2025 (30-4-25)
6. DHR_HRD_CALL_FOR_RESEARCH_PROPOSAL_(31-5-2025)
7. DST FIST Life Sciences (15-5-25)
8. DST FIST -SHAKTI (15-5-25) (Grant worth of Rs 20 Cr)
9. DST INDO SINGAPORE JOINT RESEARCH -DIGITAL HEALTH-GREEN HYD (16-5-25)

10. DST Strengthening Upscaling and Nurturing Local Innovations for Livelihood (SUNIL) (30-4-25)
11. DST Support for Up gradation Preventive Repair and Maintenance of Equipment (SUPREME) (8-5-25)
12. DST support Startups in Electric Vehicle Component Manufacturing (30-5-25)
13. DST VAIBHAV Fellowship (30-5-25)
14. ICSSR 2nd Call for ICSSR Longitudinal Studies in Social and Human Sciences (1-5-25)
15. ICSSR Guidelines Devi Ahilyabai Holkar Special Call for Women-Led Research 5-5-25)
16. UNESCO PROPOSAL LAST DATE 21-5-25 (Media-Art-Music-Design-perform)

➤ ***Why you did not get Grants?***

1. Lack of Awareness of Grant Schemes
2. Lack of willingness of Project submission-Whats the advantage?
3. Lack of effective Project writing skills
4. Lack of Professional competency of PI (Publication/patents/ innovation /experience)
5. Lack of Strong Research team (Co-PI, Industry Partners, R&D Labs, National/ In collaboration
6. Lack Submission of 8-10 grant Proposals yearly
7. Lack of confidence to get grants
8. Lack of Institutional Credentials-NAAC, NBA, NIRF, SIRO, ICSSR Institutions etc
9. No Evaluation/Review of Grant Proposals Before submission
10. Lack of Follow up with Funding agencies
11. Lack of Vibrant Campus –National –International events & external participation

➤ ***How to Start Research Journey for next 12 Months?***

1. A CORE RESEARCH TEAM/GROUP TO BE CREATED with 30+ Faculty
2. PROVIDE RESEARCH GRANT OPPORTUNITIES regularly
3. Monthly INTERACTION MEETING for project writing
4. COLLABORATION with other Institutions/Industries/R&D Labs
5. Research Calendar –MONTHLY-QUARTERLY-YEARLY
6. DRAFTING and SUBMISSION OF 5-10 PROPOSALS (every month)

List of the Participants

S.N.	Name
1	Dr. A. Ranganath, Registrar
2	Dr. Subhasish Chatterjee, Dean Academic Affairs
3	Dr Priyangu Rana Borthakur , Dean, FST
4	Dr. Dilip Nath, IQAC Coordinator
5	Dr. Poonam Mukherjee, FLA
6	Dr. Mamoni Kalita, FMC
7	Dr. Sujoy Hazari, FMC
8	Dr. Subhadip Roy, FST
9	Dr. Subashish Biswas, DOPE
10	Dr. Debabrata Roy, FOL
11	Dr. Puranjan Prasad Paul, FOL
12	Dr. Chhanda Bhowmik, FOL
13	Dr. Mousumi Kalita, FOL
14	Dr Anindita Choudhury, FOL
15	Dr. Ankita Patra, FLA
16	Dr. Pritam Bose , FMC
17	Dr. Biswajit Chakraborty, FOE
18	Dr. Dipangshu Dev Chowdhury, FMC
19	Prof. Dipankar Pradhan, FMC
20	Dr. Nabarun Bhattacharjee, FOL
21	Dr. Palash Dey, FST
22	Dr. Mrinmoy Dhar, FST
23	Dr. Soumitra Sankar Das, FMC
24	Dr. Gokul Acharjee, FMC
25	Dr. Subodh Debbarma , FST
26	Dr. Arnab Ghosh, FST
27	Dr. Trinankur Dey, FMC
28	Dr. Raktim Deb, FST
29	Dr. Abhijit Biswas, FST
30	Dr. Saptarshi Chakraborty, FST
31	Prof. Pankaj Singh, FOL
32	Dr. Mithun Adhikary, FST
33	Dr. Niloy Mondal, FST
34	Dr. Nayanjyoti Das, FOL
35	Dr. Rakhal Das, FST
36	Dr. Prasenjit Bal, FST
37	Dr. Mithun Datta, FST
38	Dr. Sayan Chandra Deb, FST
39	Dr. Priyank Kumar Shivam, FOE
40	Dr. Subhrajyoti Deb, FST
41	Dr. Prasenjit Saha, FST

42	Dr. Ramu Debnath, FST
43	Dr. Raghunath Chakraborty, FOL
44	Dr. Amit Kr Rana, FST
45	Dr. Tapan Kumar Mohanta , FST
46	Prof. Dhriti Rudra Paul, FST
47	Dr. Somenath Dutta, FST
48	Prof. Madhurenu Basu, FOSE
49	Dr. Silali Banerjee, FOSE
50	Dr. Rajiv Kumar Mondal, FAHS
51	Dr. Dhananjoy Datta , FMC
52	Prof. Bheem Pad Mahato, FOE
53	Dr. Kabita Chakraborty, FOL
54	Dr. Annesha Saha, FMC
55	Dr. Sunil Kumar, FMC
56	Dr. Prasanjit Dasgupta, FMC
67	Dr. Madhumita Chakrabarty, FLA
58	Dr. Shreya Chatterjee, FLA
59	Dr. Urmi Sengupta, FLA
60	Dr. Maitrayee Misra, FLA
61	Prof. Atri Majumder, FLA
62	Dr. Aditya Ghosh, FLA
63	Dr. Mousumi Biswas, FLA
64	Dr. Gitanjali Roy, FLA
65	Dr. Bijayanti Devi Haobam, FLA
66	Dr. Jashim Uddin, FLA
67	Dr. Amrita Banerjee, FLA
68	Dr. Pranay Deb, FLA
69	Dr. Papiya Ghosh, FLA
70	Dr. Pattam Chakma, FOL
71	Dr. Zigisha Pujari, FOL
72	Dr. Syed Faraz Akhtar, FOL
73	Dr. Manish Paul, FST
74	Dr. Shantanu Acharya, FST
75	Dr. Rita Banik, FST
76	Dr. Prasanta Sutradhar, FST
77	Mrs Papiya Paul, IQAC

Glimpse of the Programme

