



SATHYABAMA UNIVERSITY

MINUTES OF THE 10TH RESEARCH ADVISORY COMMITTEE MEETING HELD ON 4TH NOVEMBER 2017 AT SENATE ROOM, ADMIN BLOCK, SATHYABAMA UNIVERSITY, CHENNAI 600119.

The Research Advisory Committee meeting was held on **4th November, 2017** convened by the Director (Research) at Senate Room, Admin Block, Sathyabama University.

MEMBERS:

1. Dr.K.V Narayanan Vice Chancellor, Chairman – RAC
2. Dr.B.Sheela Rani Director (Research) Member Secretary – RAC
3. Dr.P.Kuppusami Professor (Research), Centre for Nanoscience and Nanotechnology, Centre of Excellence for Energy Research
4. Dr.N.MNanditha Professor & Dean, School of Electrical and Electronics Engineering
5. Dr.Dawn S S Professor (Research), Centre for Waste Management, Centre of Excellence for Energy Research
6. Dr.D.Inbakandan Associate Professor (Research), Centre for Ocean Research
Department of Biotechnology
7. Dr.V.Ganesh Kumar Associate Professor (Research), Centre for Ocean Research
Department of Chemistry
8. Dr.V.Ramesh Kumar Associate Professor, Department of Biotechnology

The Chairman and the Member Secretary welcomed the members and opened the floor for discussion;

1. The various calls from Ministries and funding agencies were put forth by the team members to the Chairperson and the Member Secretary of the board. The discussions led to the conclusions that competitive ideas shall be put forth before the committee by the respective Investigators. The most competent proposals will be recommended for submission. The draft proposals were encouraged to be submitted at least 20 days

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.,
Director (Research)

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Signature of the Member Secretary
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before the deadline for the committee to approve for the submission. Respective School deans and Centre heads shall put forth together the proposals submitted from their school or centre. The Chairperson and the member secretary's decision on approval of the proposals to be submitted for funding are final.

2. Following the protocol two to three proposals pertaining to each call were brought for discussion. The Investigators were called for presentation before the research board. The team of Investigators whose proposal convinces the board are given further approval to proceed with the submission process.
3. During the meeting 25 research proposal drafts were outlined by the respective investigators addressing various calls from the different funding agencies including ISRO-RESPOND, DST, DBT, DRDO, BRNS, SERB, MHRD, MoES, MoEFCC etc., The proposals were critically reviewed and about 90% of the proposals were encouraged for further submission.
4. The members representing the respective schools and research centres were asked to instruct the concerned investigators to submit a report on the status of the execution of the respective projects including JRF/SRF recruitment, purchase of equipments/chemicals/consumables, outcomes of projects including patents, publications, products etc.,.
5. Budget for execution of the project was discussed and the chairperson instructed the concerned investigators to proceed with the procurements upon approval. The purchase file of all the operating projects was reviewed and necessary corrections were recommended.
6. The log books pertaining to the respective projects were also reviewed to verify the stock enlisting the purchase of chemicals, consumables, glassware and other miscellaneous purchases relevant to the operation of the project.
7. Announcement of proposals for submission for SEED grants was made to encourage the faculty to research in upcoming need of the hour research areas with the involvement of students from the different Engineering and Humanity Schools.

Dr. B. Shubalakshmi
DIRECTOR (RESEARCH)

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8. The committee discussed on the JRF recruitment of new projects and SERB NPDF fellowships received by various scholars.
- Dr.Nalini, SERB – NPDF received her second-year grant for the project titled “Production of marine bacterial bioplastic polymer and its nanocomposites for marine antifouling application”.
 - Dr. Mohammed Riyaz who joined as a SERB - NPDF under the mentorship of Dr. D Inbakandan for the project titled “Assessment of microbiome responsible for the ice-ice disease of the farmed red algae *Kappaphycus alvarezii*: a case study based on high-throughput Illumina sequencing of the V3–V4 region of the 16S rRNA gene” received first year grant.
 - Dr. Kavitha who joined as a SERB -NPDF under the mentorship of Dr. D Inbakandan for the project titled “Isolation of Active Molecules from Sponge Associated Microbes and Development of Marine Natural Product-Based Antifouling Coatings received first year grant
 - Dr.Veeramani joined as a SERB -NPDF under the mentorship of Dr.K. Govindaraju for the project titled “Studies on the preparation and efficacy of inactivated viral vaccine with various adjuvants and grass carp, *Ctenopharyngodon idella* immunostimulants against reovirus infection in grass carp” received first year grant
 - Dr. Tamil Selvan S joined as a SERB - NPDF under the mentorship of Dr. V Ganesh Kumar for the project titled” Anti-cancer efficacy of MgO nanoparticles synthesized using marine alga: In-vitro and In-vivo study for Hepatocellular carcinoma” received first year grant
 - Based on the interview held on 15-05-2017 Mr. J Baalamurugan has been appointed as a JRF in the AERB - sponsored project titled “Utilization of Steel slag materials in concrete for radiation shielding studies”. The candidate has joined on 03-07-2017, under the mentorship of Dr. V Ganesh Kumar.
 - In Center for Remote Sensing and Geoinformatics (CRSG) Mr. V. Nagaraju has been selected for JRF position in ISRO Project on 1st July 2017.
 - In CRSG Mr. S. Pushparaj has been selected for JRF position in DST-WTI Project on 5th October 2017

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- Based on the interview held on 15 September 2017 in CRSG, two JRF's Mrs. Sagarika and Mr. Sivaraj has been recruited for the CSIR Project under the guidance of Dr. Anoop Kumar Mishra.
- 9. The committee members appreciated the new projects sanctioned to the following faculties
 - Dr. V Ganesh Kumar received a grant from DST-SERB New Delhi of Rs. 75,000/- for 2- days" National symposium on Recent advances in Marine Sciences".
 - Dr. Anoop Kumar Mishra from Centre for Remote Sensing and Geoinformatics (CRSG) is sanctioned a new project from CSIR entitled "Developing near real time high resolution precipitation product using Multi Satellite Sensors for near real time flash flood monitoring" with and outlay of Rs. 26.89 lakhs.
- 10. The PIs of the various sponsored research projects briefed the work progress. Committee gave suggestions during the review. In particular, Sathyabama TBI was well appreciated for their successful progress in Innovation and Entrepreneurship and also for incubating 13 entrepreneurs currently.
- 11. Committee reviewed the publications of the faculties and observed that there is an increase in number in SCI indexed journals.
- 12. Based on the statistics of the students carrying out their final year dissertation projects at various research centres, the utility of the research infrastructure and the expertise of the faculties are commended.
- 13. Ninth Institutional Animal Ethical Committee (IAEC) meeting conducted by Centre for Laboratory Animal Technology and Research (CLATR) on 17th August, 2017 and 13 study proposals on animal research approved by IAEC was reported.
- 14. Various workshops/ training programmes/ conferences conducted by the conveners along with the feedbacks received from the participants were reviewed.
- 15. CLATR and Centre for Drug Discovery and Development (CDDD) designed a curriculum for M.Tech Biopharmaceutical technology course with respect to preclinical

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research. The facilities and the faculty expertise needed to conduct the PG course was reviewed.

16. Dr. L Stanley Abraham, Dr. Ravi Mani and few other faculty members who have attended various programmes in research organization and other universities have been advised to share the knowledge gained to students and other faculty members.
17. The budget sanctioned and released for the year 2017-18 was reviewed and major equipments procured was also discussed in detail. Members informed to prepare the new budget for the upcoming FY (2018-19).
18. Committee congratulated the following members for their recognitions and contributions to research.
 - Dr. Suman T Y – Recipient of “Col.Dr.Jeppiaar Best Thesis Award.
 - Dr. M. Radhakrishnan - Recipient of Best Scientist Award” from PEARL – A Foundation for Educational Excellence for his contributions in Drug Discovery and Development.
 - Dr. D. Sivaraman- Recipient of Young Scientist award by EET CRS conference held on 11th June 2017.
 - Dr.Yogaraj – Selection as FELESA member in September 2017.
19. CRSG has signed a MoU with University of Kitakyushu, Japan for collaborative research and faculty exchange activities.
20. The meeting concluded with the announcement of forthcoming Calls and deadlines encouraging the investigators for new research proposal submissions.

THE FOLLOWING MEMBERS WERE PRESENT FOR THE MEETING

| S.No | Name of the faculty | Designation | Signature |
|------|---------------------|---|-----------|
| 1 | Dr.K.V Narayanan | Vice Chancellor Chairman - RAC | |
| 2 | Dr.B.Sheela Rani | Director (Research) Member Secretary – RAC | |

Dr. B. SHEELA RANI, M.S. (By Research), Ph.D.
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| 3 | Dr.P.Kuppusami | Professor (Research) Centre for Nanoscience and Nanotechnology Centre of Excellence for Energy Research | <i>P. Kuppusami</i> |
| 4 | Dr.N.M Nanditha | Professor & Dean School of Electrical and Electronics Engineering | <i>N.M. Nanditha</i> |
| 5 | Dr.Dawn S S | Professor (Research) Centre for Waste Management Centre of Excellence for Energy Research | <i>Dawn S S</i> |
| 6 | Dr.D.Inbakandan | Associate Professor (Research) Centre for Ocean Research Department of Biotechnology | <i>D. Inbakandan</i> |
| 7 | Dr.V.Ganesh Kumar | Associate Professor (Research) Centre for Ocean Research Department of Chemistry | <i>V. Ganesh Kumar</i> |
| 8 | Dr.V.Ramesh Kumar | Associate Professor Department of Biotechnology | <i>V. Ramesh Kumar</i> |



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1-11-2017

CIRCULAR

10TH RESEARCH ADVISORY COMMITTEE MEETING - 4TH NOVEMBER 2017

Date : 04-11-2017 **Time :** 10.00 am **Venue :** Senate Room, Admin Block,
Sathyabama University

MEETING AGENDA

Welcome Address

: Dr.K.V Narayanan
Vice Chancellor, Chairman – RAC,
Sathyabama University

Briefing on the Objectives of the Meeting : **Dr.B.Sheela Rani,**
Director (Research), Member Secretary – RAC,
Sathyabama University

For Discussion with RAC Members

The agenda of the 10th RAC meetings are as follows;

- To address the upcoming call for proposals and research opportunities for the funding
- To sanction the requested budget for the new 6 month research plans
- To discuss about the research scholar recruitment and their progress
- To analyze the progress of the funding projects and new infrastructure establishments
- To appreciate the publications, patents and product development
- To verify the stock assessments
- To congratulate the award winners, external participation and new collaborations
- To update the research promotion policies and ethics