

Proceedings of the 2nd meeting of the Committee to review the **Research, Innovation and quality improvement** proposals submitted under Component (8) of RUSA held on 13th July, 2017 in the conference hall of Karnataka State Higher Education Council, Bengaluru at 11.00 am.

The following members were present:

1. Prof. P. Balaram, Indian Institute of Science, Bangalore - Chairman
2. Dr. S.A.Kori, Executive Director, KSHEC
3. Prof. K.Byrappa, Vice-Chancellor, Mangalore University, Mangaluru - Member
4. Prof. S.R. Niranjana, Gulbarga University, Kalaburgi - Member
5. Prof. Sharath Anantha Murthy, Bangalore University, Bengaluru - Member
6. Sri Ramesh L.S., Special Officer, KSHEC, Bengaluru - Special Invitee
7. Dr. Tejaswini B.Y., Special Officer, KSHEC, Bengaluru - Convener

Dr. S.A.Kori, Executive Director, KSHEC welcomed the Chairman and Committee members and briefed about the number of research proposals received under various thrust areas.

Then, the Chairman taken up agenda for discussion. Then, the Principal Investigators listed below made Power Point Presentations before the Committee on the **Research, Innovation and quality improvement** proposal submitted by them.

Sl. No	Name of the Principal Investigator	Institution	Area of the proposal	Title of the proposal
1	Prof.B.B.Kaliwal	Vice-Chancellor Davanagere University,Davanagere	Bio-Technology	Biotechnology in new era: Development of bioactive molecules for human welfare
2	Prof.Chandrakanth Kelmani.R	Gulbarga University, Kalaburagi	Bio-Technology	Biotechnological Studies on natural Metabolites for Human Welfare
3	Dr.Bhagyavana S. Mudigoudra	Maharani's Cluster University	Bio-Technology	Establishing the advanced tool to visualize the genomic data, deciphering the a biotic stress induced genes by CRISPR-Cas 9 approach and understanding plant microbiome relations rom earthworm's casts
4	Dr. S.Chandra Nayaka	University of Mysore, Mysuru	Bio-Technology	Identification of Candidate Genes and Development of Gene-Based Molecular Marker using R-Avr Strategy for Floliar Blast and Downy Mildew disease Resistance in Pearl Millet
5	Dr.T.S.Indumathi	Visvesvaraiah Technological University, Belagavi	Engineering Sciences	Micro and Nano photonic devices sensors and systems for chemical and biological applications.
6	Sri.K.Venkateshwarulu	National Aerospace Laboratories	Engineering Sciences	Synthesis, Characterization and Fabrication of Ultrafine and Nanostructured AL alloys for Aerospace and Naval Application

Page 1 of 3

7	Dr.Siddaramaiah	JSS College of Engineering, Mysuru	Engineering Sciences	Development of Nanotechnology Enabled Polymer based Thermoelectric Generators: A Sustainable and Revolutionary Path for Energy Recovery.
8	Prof.Sharath Anathamurthy	Bangalore University, Bengaluru	Physics	Investigating Soft and Novel Condensed Matter through Optical and Spectroscopic Techniques
9	Dr.S.Parameshwar Bhatt	Mangalore University Mangaluru	Mathematics	Distances in Graphs and its Applications.
10	Prof.Boja Poojary	Mangalore University Mangaluru	Chemistry	Isolation Synthesis, Characterization and Applications of Novel Bioactive Molecules for Sustainable Development
11	Prof.K.Byrappa/ Dr.V.Ravindracharya	Mangalore University Mangaluru	Material Sciences	Processing, Characterization and Applications of Novel Advanced Functional Nanomaterials
12	Dr.B.H.Shekar	Mangalore University Mangaluru	Engineering Sciences	Cyber Physical Systems for Smart Agriculture: Extreme-Yield Agriculture with Soil Erosion Prevention System.
13	Dr.B.M.Sagar	RV College of Engineering	Engineering Sciences	Green House monitoring of betel leaf vine cultivation using IoT and wireless Sensor Network
14	Dr.Cauvery N.K	RV College of Engineering	Engineering Sciences	An Automatic Real Time Vehicle Detection and Counting System for Modelling Indian Traffic in Heterogeneous Environment

The Chairman and Committee Members gave valuable suggestions to bring improvements in the submitted proposals. The following coordinators were assigned the responsibilities to resubmit the duly signed consolidated proposals (10 Copies) to Karnataka State Higher Education Council on or before 14th July, 2017. It was decided to submit **Research, Innovation and quality improvement** proposals maximum of Rs.120 Crores to MHRD (RUSA) on 15th July, 2017.

Page 2 of 3

The details are given below:

Sl. No.	General area of the proposed research	Coordinators	No. of proposals to be submitted	Cost of the Project (Rs.in Crores)
1	a) Animal Sciences Biotechnology b) Plant Sciences	Prof. S.R. Niranjana, Gulbarga University, Kalaburagi	04	30
2	Chemistry and Material Sciences	Prof. K.Byrappa, Mangalore University, Mangaluru	02	30
3	a) Mathematical Sciences b) Physical Sciences	Prof. Sharath Anantha Murthy, Bangalore University, Bengaluru	02	20
4	Engineering Sciences	Dr. Indumathi T.S., Special Officer, KSHEC, Bengaluru	04	40
Total			12	120

Chairman suggested that proposals should include minimum of 4 to 6 potential researchers as Co-Principal Investigators from the Universities and Research Institutions across the state. He also suggested to involve Post-Doctoral fellows, Junior/Senior Research Fellows for research assistance. It was decided to involve the reputed faculty from the Institutes of National importance/Laboratories as Advisors.

The meeting ended with thanks to the Chairman and the members.


 (Dr. S. A. Kori)
 Executive Director, KSHEC &
 Chairman, RUSA TSG

To,
The Chairman & Members of the Committee and Coordinators.

Copies for information:

1. PS to Hon'ble Minister for Higher Education, Vidhana Soudha, Bengaluru- 01.
2. PS to Vice-Chairman, KSHEC, Palace Road, Bengaluru - 560001.
3. PS to Principal Secretary, Dept. of Higher Education, 6th Floor, M.S Building, Bengaluru - 560001.
4. Office Copy.

Page 3 of 3