

PROCEEDINGS OF THE COMMISSIONER OF COLLEGIATE EDUCATION &  
STATE PROJECT DIRECTOR, , (RUSA)  
PRESENT : SRI . NAVIN MITTAL, IAS

Sub: RUSA 2.0, Hyderabad – Sanction of Rs.6.00 Crores towards Construction of K-Hub at Kakatiya University, Warangal under Component-10 (Research, Innovation & Quality Improvement) of RUSA 2.0. - Administrative Sanction Orders-Issued.

Ref: 1. Minutes of the 12<sup>th</sup> PAB Meeting of MHRD held on 25-05-2018  
2. F.No.24-25/2014-U.Policy(TLMulti-Gen, SC, ST) of MHRD, GoI., dated 15-07-2019  
3. Lr.No.103/UGC/KU/2020 dated 27-07-2020 of the Registrar, Kakatiya University, Warangal  
4. Lr.No.EE/TSEWIDC/WGL/K-Hub/2020-21 dated 24-07-2020 of the Executive Engineer, TSEWIDC, Warangal

Adverting to the subject and vide reference 1<sup>st</sup> cited, Kakatiya University was approved with a total grant of Rs.50.00 Crores in the sharing pattern of 60:40 Central Share and State Share respectively, under Component-10, (Research, Innovation & Quality Improvement) of RUSA 2.0. Consequently, the MHRD, New Delhi, vide reference 2<sup>nd</sup> cited has released Rs.4.50 Crores as 1<sup>st</sup> installment of Central Share. Subsequently, the respective University was informed to submit the Detailed Project Report(DPR) and accordingly, the Registrar, Kakatiya University vide reference 3<sup>rd</sup> cited has forwarded the Plans, Designs and Estimates to the tune of Rs.6.00 Crores (Rupees Six Crores only), for the construction of K-Hub (Entrepreneurship & Skill Development Hub) submitted vide reference 4<sup>th</sup> cited, by the Executive Engineer, Telangana State Education Welfare & Infrastructure Development Corporation) TSEWIDC, Warangal. The details of the works are as follows:

1. Civil Works(Construction of Building)
2. Internal Sanitary and Water Supply
3. Internal Electrification

Further, the estimates include Provisions for Interiors & Furniture, Open-air Auditorium, Landscaping, Generator along with Room, TSNPDCL Charges, Price adjustment of Cement & Steel and LS provision for unforeseen items and Service Charges all put together estimated to the tune of Rs.6.00 Crores (inclusive of items 1, 2 and 3 mentioned above).

Under the circumstances stated herein above and after detailed examination of the DPR for the construction of K-Hub at Kakatiya University, Warangal, sanction is hereby accorded to the tune of Rs.6.00 Crores(Rupees Six Crores only) for the works (inclusive of all provisions

and charges) mentioned above. Any savings accrued at the time of execution as per the prices in vogue at that point of time shall be utilized for the purpose of K-Hub only, after seeking prior permission of the State Project Director, RUSA. The Registrar, Kakatiya University, Warangal is requested to communicate these Proceedings to the Executive Engineer, TSEWIDC, Warangal with instructions to execute the said works immediately. Furthermore, it is informed that RUSA is a norm based outcome dependent programme and all guidelines in vogue are to be strictly adhered to.

Commissioner of Collegiate Education &  
State Project Director (RUSA)

To  
The Registrar,  
Kakatiya University, Warangal

Copy to:

1. The Chief Engineer, TSEWIDC, Hyderabad
2. The Executive Engineer, Warangal
3. A.O. RUSA, Nampally, Hyderabad



File No.

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**RASHTRIYA UCHCHATAR SHIKSHA ABHIYAN (RUSA)  
COMPONENT-10-RESEARCH INNOVATION AND QUALITY IMPROVEMENT  
Kakatiya University, Warangal-506 009, Telangana State-India**

Research Proposals approved for individual faculty members:

| Sl. No. | Department       | Title of Research & Innovation Projects   | Amount (Rs. In Lakhs) |
|---------|------------------|---|-----------------------|
| 01      | Zoology          | 1. Soil arthropods (micro and macro fauna) earthworms and estimation of physico-chemical parameters in the soil in organic and conventional agro-ecosystems in Telangana (Dr. E.Narayana) | 20.164                |
|         |                  | 3. Molecular and Biochemical Characterization of Parotoid Gland Secretion and its extract of Bufo melanostictus (Dr. Y. Venkaiah)   | 20.814                |
|         |                  | 4. Studies of DNA and RNA components of nuclear matric in Antheraea mylitta (Dr.V.Shamitha)   | 21.565                |
|         |                  | 5. Validating ethno-medicines from tribal areas of Telangana with a view to isolation and developing new drug molecule for targeting HIV (Dr.M.Estari)                                    | 19.764                |
|         |                  | <b>Sub Total</b>  | <b>82.307</b>         |
| 02      | Sericulture      | Isolation of bioactive compounds from Annona muricata its effect on rearing performance & antibacterial activity in mulberry silkworm, B.Mari.L. (Dr.K.Sujatha)                           | 32.684                |
| 03      | Microbiology     | Purification and characterization of bioactive molecules from microbes for synthesis of industrially important products. (Dr.M.Srinivas) And (Dr.M.Srinivas and others)                   | 62.128                |
| 04      | Biotechnology    | Application of plant transformation methods and genome editing tools for crop improvement and enhancement of secondary metabolites of higher plants. (Dr.A.Venkateshwar Rao)              | 35.16                 |
| 05      | Computer Science | 1. Casual data mining approach to study the Inter-relationship between Cardio Vascular Diseases and Renal System Failure (Dr.B. Rama)   | 14.9152               |
|         |                  | 2. Security management system (SMS) for health care data in cloud platform (Dr.B.Manjula)   | 17.2844               |
|         |                  | <b>Sub Total</b>  | <b>32.1996</b>        |



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|    |             |  |                |
|----|-------------|--|----------------|
| 06 | Pharmacy    | 1. Development of nanocarrier drug delivery systems for brain targeting via intranasal route for the treatment of neurodegenerative disorders (Dr.J. Krishnaveni)  | 12.4389        |
|    |             | 2. Development of New indole derivatives as antidepressants (Prof. M. Sarangapani)   | 25.00          |
|    |             | 3. Design, synthesis and screening of new heterocyclic compounds for neurodegenerative disorders (Dr.G.Sammaih)  | 14.60          |
|    |             | 4. Overcoming P-Glycoprotein-Mediated multi drug resistance in rats with Colorectal Cancer: Potential Reversal Compounds from secretions of common Indian toad (Dr.N. Prasad, Dr.Y.Narasimha reddy, Dr.Swarupa Rani) | 47.6404        |
|    |             | <b>Sub Total</b>   | <b>99.6793</b> |
| 07 | Botany      | Wild Medicinal Cucurbits – Therapeutic compounds and Conservation (Dr.M.Surekha)   | 35.346         |
| 08 | Physics     | DFT computations for molecular structure and characteristics of some biomolecules  | 33.6956        |
| 09 | Geology     | The miaskitic alkaline magmatic activity across the Cuddapah intrusive province: A comprehensive petrological and geochemical study.   | 23.314         |
| 10 | Mathematics | 1.Study of Micro and Poroelastic Solids by using Complex Analysis and Numerical Techniques. (Prof.P.Malla Reddy)   | 13.7242        |
|    |             | 2.Markov models in reliability: performance study (Dr.T.Sumathi Umamaheshwari)   | 10.8727        |
|    |             | <b>Sub Total</b>   | <b>24.596</b>  |
| 11 | Chemistry   | 1. Design, Synthesis and in silico/in vitro studies of tryptanthrin derivatives as potent anticancer agents and IDO1 inhibitors (Dr. Mamatha)  | 19.3156        |
|    |             | 2. Thermodynamic investigations of Cholinergic Drugs (Acetylcholine, Bethanechol and Carbachol) at various Temperatures (Dr.Savitha Jyosthna)  | 10.8152        |
|    |             | 3. Improving the Medicinal Properties of 1,2,4 triazole and Bis-isatin Drugs via Metal Complexation: Investigations based on Rational Design, Synthesis and Structure-Activity Studies (Dr.S.Jyothi)                 | 11.8304        |



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|    |                                |   |                 |
|----|--------------------------------|---|-----------------|
|    |                                | 4. Synthesis and Biological Evaluation of New N-Heterocyclic compounds derived from Dichlone (Dr.G.Brahmeshwari)                                      | 25.562          |
|    |                                | 5. Design and green synthesis of novel coumarin derivatives and their studies on anticancer and antitumor activities (Dr.G.Hanumanthu)                | 16.2552         |
|    |                                | 6. Development of Riboflavin Binding Protein Anticancer Drug Conjugates (Dr.J.Madhukar)   | 29.3152         |
|    |                                | <b>Sub Total</b>  | <b>113.0936</b> |
| 12 | English                        | English for Social Empowerment: Towards an Add-on Course to Low Achieving learners  | 23.1108         |
| 13 | Telugu                         | Telangana Jatharalu – Sahithya Samskruthika Adhyayanam  | 19.2689         |
| 14 | Economics                      | Livelihood and Entrepreneurial Development through Minor Irrigation in Telangana State – With special reference to Mission Kakatiya (Dr.B.Suresh Lal) | 22.5608         |
| 15 | Public Administration          | Corporate social responsibilities in IT Industry-Issues and Challenges (Dr.P.Srinivas Rao)  | 20.2608         |
| 16 | Law                            | Climate Change and Disaster Management: Law & Policy in India (Dr.M.Srinivas)   | 19.2608         |
| 17 | History & Tourism Management   | Village culture in Telangana: A study of Communities, Crafts, Fairs and Festivals.  | 19.7608         |
| 18 | Social Work                    | Welfare and Development schemes for marginalized communities in Telangana State (Prof.T.Ramesh)   | 19.7608         |
| 20 | Sociology                      | Sexual Violence on women and Socio Economic determinants of rape offenders: A sociological study (Dr.M.Swarnalatha)                                   | 19.7608         |
| 21 | Commerce & Business Management | Investors Protection in India-The role of Corporate and Academia in educating small Investors   | 31.276          |
| 22 | Engineering & Technology       | 1. Identifying Regional Dialects by Using Text independent Speech Processing Models (M.Sadanandam)  | 9.3202          |
|    |                                | 2. An Intelligent Doctor assistant for effective diagnosis using Machine learning (N.Ramana)  | 8.7152          |
|    |                                | 3. Design and Analysis of FinFET based combinational circuits for low power applications (Mr. Bikshalu)   | 19.8152         |
|    |                                | 4. 3D Face image Acquisition and processing to ameliorate face recognition (K. Punnamchander)   | 14.3402         |



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|  |  | 5. Brain Tumor detection, classification from Magnetic Resonance Images using Innovative Machine learning algorithms and diversified applications to Biological Covid Virus.<br>(Prof. T.Srinivasulu) | 16.3682         |
|  |  | <b>Sub Total</b>  | <b>85.8742</b>  |
|  |  | <b>Total (Rs. In Lakhs)</b>   | <b>850.3665</b> |

### Research Project Proposals approved to centres:

| Sl No:   | Name of the Program                                      | Participants<br>(Centre/Deptt./ Unit)         | Budget (Rs. in Lakhs) |               |          |
|----------|--|---|-----------------------|---------------|----------|
|          |  |   | Recurring             | Non-Recurring | Total    |
| <b>B</b> | <b>Research and Innovation (R &amp; I)</b>               |   |                       |               |          |
| 1        | RUSA-KU-Central Instrumentation Centre (R-CIC)           | 1.CIC   | 40                    | 645           | 685      |
| 2        | RUSA-KU--Centre for Drug Research (R-CDR)                | 1. Pharmacy<br>2. Microbiology                | 152.5216              | 242.92        | 395.4416 |
| 3        | RUSA-KU--Centre for Molecules & Material Physics (R-MMP) | A) Physics                                    | 28.446                |               | 28.446   |
| 4        | RUSA-KU-Centre for Nano Drug Delivery Systems (R-NDDS)   | B) Pharmacy                                   | 56.268                | 109.5         | 165.768  |
| 5        | RUSA-KU-Centre for Ethnomedicinal Plants (R-CEMP)        | 1. Zoology<br>2. Biotechnology<br>3. Pharmacy | 144.04                | 172.74        | 316.78   |
| 6        | RUSA-KU Industry Academia Partnership (R-KUF)            | 1. UGC Unit                                   | 37                    | 50            | 87       |
| 7        | RUSA-KU- Library (R-KUL)                                 | 1. University Central Library                 | 100                   |               | 100      |



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|       |  |                           |           |           |           |
|-------|--|---------------------------|-----------|-----------|-----------|
| 8     | RUSA-KU<br>Upgradation of<br>Laboratories Facilities<br>KU (R-ULF) | 1. University<br>Colleges | 187.426   | 199       | 386.426   |
|       |  | 2. Departments            |           |           |           |
| 9     | RUSA-KU-<br>Fellowships (R-KUF)                                    | 1. UGC Unit               | 323.64    |           | 323.64    |
| 10    | RUSA-KU<br>Conference & Book<br>Grant (R-C&BG)                     | 1. UGC Unit               | 86.4      |           | 86.4      |
| 11    | RUSA-KU Research<br>Programs (R-RP)                                | 1. University<br>Colleges | 726.534   | 198.8062  | 925.3402  |
|       |  | 2. Departments            |           |           |           |
| Total |  |                           | 1882.2756 | 1617.9662 | 3500.2418 |