

3.2.2: Grants for research projects sponsored by the government agencies during the last five years (INR in Lakhs). For the AY 2017-18

| Name of the Scheme/Project/ Endowments/ Chairs | Name of the Principal Investigator / Co Investigator (if applicable) | Name of the Funding agency | Type (Government/N on- Government) | Department | Year of Award | Funds provi ded (INR in lakhs) | Duration of the project |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------|----------------------------------------------|------------------|-----------------------------------------------|-------------------------------|
| A Model for Dynamic Data Verification Integrity in Cloud | Dr. C. Shoba Bindu | UGC | Government | Department of Computer Science & Engineering | 2017-18 | 0.9 | 2 |
| A real,Äitime Rolled Fingerprint Recognition using MATLAB | Dr. K. Madhavi | UGC | Government | Department of Computer Science & Engineering | 2017-18 | 1.69 | 1 |
| Synthesis and characterization of nanostructured conducting polymers for the fabrication of lithium batteries | Dr. R. Padma Suvarna | UGC | Government | Department of Physics | 2017-18 | 3.74 186 | 3 |
| Physicochemical Studies of TiO2/Fe2O3/ZnO Heterostructure Assemblies for Electrochemical Water Splitting/Dye Degradation Applications | Dr. B. Dilip Kumar & Dr. P. Dinesh Sankar Reddy | UGC, Govt of India | Government | Department of Chemical Engineering | 2017-18 | 1.2 | 1 |
| Spatial distribution of uranium and associated water quality parameters in ground water/ drinking water in Kadapa, Kurnool, Anantapur, Chittoor and Nellore Districts | Prof. S V Satyanara yana & Dr. G. V. Subba Reddy | Board of Research On Nuclear Science | Government | Department Of Chemistry | 2017-18 | 6.97 | 2 |



| Structure and function of novel antimicrobial peptides by biophysical and spectroscopic techniques | Dr. D. Zarena | DST- SERB | Government | Department of Physics | 2017-18 | 3 | 1 |
|---------------------------------------------------------------------------------------------------------|---------------------------------|--------------|------------|--------------------------------------------|---------|--------------|---|
| Design & Development of Solar Dish Concentrator with Thermal Storage Options for Electricity Generation | Dr. K. Hemachan dra Reddy | DST | Government | Department of Mechanical Engineering | 2017-18 | 21.4 2167 | 3 |

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3.2.2: Grants for research projects sponsored by the government agencies during the last five years (INR in Lakhs). For the AY 2018-19

| Name of the | Name of the | Name of | Type | Department | Year of | Funds | Duration |
|--------------------------|--------------------|---------|---------|-------------|---------|--------|----------|
| Scheme/Project/ | Principal | the | (Govern | | Award | provi | of the |
| Endowments/ Chairs | Investigator/ Co | Funding | ment/N | | | ded | project |
| | Investigator (if | agency | on- | | | (INR | , , |
| | applicable) | | Govern | | | in | |
| | | | ment) | | | lakhs) | |
| Spatial distribution of | Prof. S V | | | | | | |
| uranium and associated | Satyanarayana & | | | | | | |
| water quality | Dr. G. V. Subba | Board | | | | | |
| parameters in ground | Reddy | of | | | 2010 10 | 2 | _ |
| water/ drinking water | | Researc | | | 2018-19 | 3 | 2 |
| in Kadapa, Kurnool, | | h On | | Department | | | |
| Anantapur, Chittoor | | Nuclear | Govern | Of | | | |
| and Nellore Districts | | Science | ment | Chemistry | | | |
| VLSI design and | Dr. Chennapalli | | | Department | | | |
| implementation of | Subhas | Depart | | of | | | |
| optimized turbo | | ment of | | Electronics | | | |
| channel coding system | | Science | | & | 2018-19 | 1 | 2 |
| for advanced wireless | | and | | Communica | | | |
| communication | | Technol | Govern | tion | | | |
| systems | | ogy | ment | Engineering | | | |
| Design & Development | Dr. K. | | | | | | |
| of Solar Dish | Hemachandra | | | | | | |
| Concentrator with | Reddy | | | Department | 2010 10 | 22.4 | 2 |
| Thermal Storage | | | | of | 2018-19 | 2167 | 3 |
| Options for Electricity | | | Govern | Mechanical | | _ | |
| Generation | | DST | ment | Engineering | | | |
| | Dr. K. Jayalakshmi | Univers | | | | | |
| | | ity | | | | | |
| | | Grants | | | | 10.5 | |
| | | Commi | | Department | 2018-19 | 10.0 | 3 |
| | | ssion, | | of | | 58 | |
| Characterization of (-1, | | New- | Govern | Mathematic | | | |
| 1) Nonassociative Rings | | Delhi | ment | S | | | |
| Synthesis of | Prof.S V | | | | | | |
| Nanozeolites and | Satyanarayana | | | | | | |
| Development of Highly | • | DST- | | | | | |
| Stable Mixed Matrix | | SERB, | | Department | 2018-19 | 1.4 | 1 |
| Membranes (MMM)for | | Govt of | Govern | of Chemical | | | |
| Dehydration of | | India | ment | Engineering | | | |

| Hydrazine Hydrate via | | | | | | | |
|-----------------------|----------------|---------|--------|-------------|---------|------|---|
| Pervaporation | | | | | | | |
| Nanoparticle Enhanced | Dr. K. | Science | | | | | |
| Phase Change Material | Hemachandra | and | | | | | |
| Microcapsules/Fibers | Reddy & Dr. P. | Engine | | Department | 2040.40 | 6.11 | |
| for Advanced Energy | Dinesh Sankar | ering | | of | 2018-19 | 96 | 3 |
| Storage and Allied | Reddy | Researc | Govern | Mechanical | | | |
| Applications | | h Board | ment | Engineering | | | |



3.2.2: Grants for research projects sponsored by the government agencies during the last five years (INR in Lakhs). For the AY 2019-20

| Name of the Scheme/Project/ Endowments/ Chairs | Name of the Principal Investigator/ Co Investigator (if applicable) | Name of the Funding agency | Type (Governm ent/Non- Governme nt) | Department | Year of Award | Funds provi ded (INR in lakhs) | Duration of the project |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------|--------------------------------------------------------|------------------|-----------------------------------------------|-------------------------------|
| Effects of slip on the steady state performance of hydrodynamic finite spiral journal bearing operating with micro polar fluids | Dr. A. Saila Kumari | UGC-SERO | Governm ent | Department of Mathematic s | 2019-20 | 1.2 | 1 |
| VLSI design and implementation of optimized turbo channel coding system for advanced wireless communication systems | Chennapalli Subhas | Departme nt of Science and Technolog | Governm ent | Department of Electronics & Communica tion Engineering | 2019-20 | 1 | 2 |
| Spatial distribution of uranium and associated water quality parameters in groundwater /drinking water of Rayalaseema region (YSR, Anantapur, Kurnool and Chittoor districts) of Andhra Pradesh | Dr. S V Satyanarayan a& Dr.G.V.Subba Reddy | BRNS | Governm | Department of Chemical Engineering | 2019-20 | 0.39 99 | 2 |
| Synthesis of Nanozeolites and Development of Highly Stable Mixed Matrix Membranes (MMM)for Dehydration of Hydrazine Hydrate via Pervaporation | Dr. S V Satyanarayan a | DST-SERB, Govt of India | Governm ent | Department of Chemical Engineering | 2019-20 | 18.7 888 | 2 |
| Design & Development of Solar Dish Concentrator with | Dr. K. Hemachandr a Reddy | DST | Governm ent | Department of Mechanical | 2019-20 | 11.3 2166 | 3 |



| Thermal Storage Options for Electricity Generation | | | | Engineering | | | |
|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------|----------------|-----------------------------------------------|---------|--------------|---|
| Nanoparticle Enhanced Phase Change Material Microcapsules/Fibers for Advanced Energy Storage and Allied Applications | Dr. K. Hemachandr a Reddy& Dr. P. Dinesh Sankar Reddy | Science and Engineerin g Research Board | Governm ent | Department of Mechanical Engineering | 2019-20 | 16.9 6744 | 3 |



3.2.2: Grants for research projects sponsored by the government agencies during the last five years (INR in Lakhs). For the AY 2020-21

| Name of the | Name of the | Name of | Туре | Department | Year of | Funds | Duration |
|--------------------------|-----------------|-------------|----------|-------------------|---------|--------|----------|
| Scheme/Project/ | Principal | the Funding | (Governm | | Award | provi | of the |
| Endowments/ Chairs | Investigator/ | agency | ent/Non- | | | ded | project |
| | Co Investigator | | Governme | | | (INR | |
| | (if applicable) | | nt) | | | in | |
| | Dr.G. | Science | Governm | Department of | | lakhs) | |
| | Mamatha | and | ent | Electronics & | | | |
| Implementation of IoT | Wamatia | Engineerin | CIIL | Communicatio | 2020- | | |
| Security Solutions for | | g Research | | n Engineering | 2020- | 5.63 | 1 |
| Health Care Monitoring | | Board | | ii Liigiileeiiiig | 21 | | |
| Systems | | (SERB) | | | | | |
| o y see i i i s | M | Faculty | Governm | Department of | | | |
| | VENKATESW | Developm | ent | Electrical & | | | |
| | ARA RAO | ent Cell, | Circ | Electronics | | | |
| Online Faculty | | AICTE, | | Engineering | | | |
| Development | | under | | Lingilicering | | | |
| Programme on | | Technical | | | 2020- | 0.84 | 6 |
| Advances in Teaching | | Teachers | | | 21 | 0.01 | |
| and Research in the | | Training | | | | | |
| Field of Green Energy | | scheme of | | | | | |
| and Sustainable | | AICTE, | | | | | |
| Development | | New Delhi | | | | | |
| Development of highly | Dr. B. Dilip | DST-SERB, | Governm | Department of | | | |
| stable mixed matrix | Kumar | Govt of | ent | Chemical | | | |
| membranes (MMM) for | | India | | Engineering | 2020 | 22.7 | |
| dehydration of | | | | | 2020- | 32.7 | 1 |
| hydrazine hydrate via | | | | | 21 | 888 | |
| Pervaporation for | | | | | 682 | | |
| rocket fuel applications | | | | | | | |
| Nanoparticle Enhanced | Dr. K. | Science | Governm | Department of | | | |
| Phase Change Material | Hemachandr | and | ent | Mechanical | | | |
| Microcapsules/Fibers | a Reddy& | Engineerin | | Engineering | 2020- | 7.27 | 2 |
| for Advanced Energy | Dr. P. Dinesh | g Research | | | 21 | 176 | 3 |
| Storage and Allied | Sankar Reddy | Board | | | | | |
| Applications | | | | | | | |
| | Chenna | All India | Governm | Department of | | | 3 |
| | Reddy | Council for | ent | Computer | 2020 | 11.2 | |
| | Pakanati | Technical | | Science & | 2020- | 11.2 | |
| Creating Virtual | | Education | | Engineering | 21 | 599 | |
| University Environment | | | | | | | |



| Spatial distribution of uranium and associated water quality parameters in groundwater /drinking water of Rayalaseema region (YSR, Anantapur, | Dr. S V Satyanarayan a& Dr.G.V.Subba Reddy | BRNS | Governm ent | Department of Chemical Engineering | 2020- 21 | 3.99 | 1 |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------|----------------|------------------------------------------|-------------|------|---|
| | | | | | 21 | | |
| districts) of Andhra | | | | | | | |
| Pradesh | | | | | | | |



3.2.2: Grants for research projects sponsored by the government agencies during the last five years (INR in Lakhs). For the AY 2021-22

| Name of the | Name of the | Name of | Type | Department | Year of | Funds | Duration |
|------------------------|-----------------|-------------|----------|-------------|---------|--------|----------|
| Scheme/Project/ | Principal | the Funding | (Governm | | Award | provi | of the |
| Endowments/ Chairs | Investigator/ | agency | ent/Non- | | | ded | project |
| | Co Investigator | | Governme | | | (INR | *** |
| | (if applicable) | | nt) | | | in | |
| | | | | | | lakhs) | |
| Synthesis of | Dr.S V | DST-SERB, | Governm | | | | |
| Nanozeolites and | Satyanarayan | Govt of | ent | | | | |
| Development of Highly | а | India | | | | | |
| Stable Mixed Matrix | | | | | 2021-22 | 2.42 | 2 |
| Membranes (MMM)for | | | | | 2021-22 | 88 | 2 |
| Dehydration of | | | | Department | | | |
| Hydrazine Hydrate via | | | | of Chemical | | | |
| Pervaporation | | | | Engineering | | | |
| | Dr.Gannera | Science | Governm | Department | | | |
| | Mamatha | and | ent | of | | | |
| | | Engineerin | | Electronics | | | |
| Implementation of IoT | | g Research | | & | 2021-22 | 7.42 | 1 |
| Security Solutions for | | Board | | Communica | | | |
| Health Care Monitoring | | | | tion | | | |
| Systems | | | | Engineering | | | |
| | Dr. C. | GOI, | Governm | | | | |
| | Sashidhar | Ministry | ent | | | | |
| | | of Road | | | | | _ |
| Utilization of Natural | | Transport | | Department | 2021-22 | 8.75 | 5 |
| Rubber in Road | | &Highway | | of Civil | | | |
| Construction | | S | | Engineering | | | |