



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR  
ANANTHAPURAMU- 515 002 (A.P) INDIA**

**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 provided (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 TiO <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> /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 Satyanarayana & Dr. G. V. Subba Reddy	Board of Research On Nuclear Science	Government	Department Of Chemistry	2017-18	6.97 2	2

  
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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. Hemachandra 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 Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non-Government)	Department	Year of Award	Funds provided (INR in lakhs)	Duration of the project
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 Satyanarayana & Dr. G. V. Subba Reddy	Board of Research On Nuclear Science	Government	Department Of Chemistry	2018-19	3	2
VLSI design and implementation of optimized turbo channel coding system for advanced wireless communication systems	Dr. Chennapalli Subhas	Department of Science and Technology	Government	Department of Electronics & Communication Engineering	2018-19	1	2
Design & Development of Solar Dish Concentrator with Thermal Storage Options for Electricity Generation	Dr. K. Hemachandra Reddy	DST	Government	Department of Mechanical Engineering	2018-19	22.4 2167	3
Characterization of (-1, 1) Nonassociative Rings	Dr. K. Jayalakshmi	University Grants Commission, New-Delhi	Government	Department of Mathematics	2018-19	10.0 58	3
Synthesis of Nanozeolites and Development of Highly Stable Mixed Matrix Membranes (MMM)for Dehydration of	Prof.S V Satyanarayana	DST-SERB, Govt of India	Government	Department of Chemical Engineering	2018-19	1.4	1

  
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Hydrazine Hydrate via Pervaporation							
Nanoparticle Enhanced Phase Change Material Microcapsules/Fibers for Advanced Energy Storage and Allied Applications	Dr. K. Hemachandra Reddy & Dr. P. Dinesh Sankar Reddy	Science and Engineering Research Board	Government	Department of Mechanical Engineering	2018-19	6.1196	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 2019-20**

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non-Government)	Department	Year of Award	Funds provided (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	Government	Department of Mathematics	2019-20	1.2	1
VLSI design and implementation of optimized turbo channel coding system for advanced wireless communication systems	Chennapalli Subhas	Department of Science and Technology	Government	Department of Electronics & Communication 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	Government	Department of Chemical Engineering	2019-20	0.3999	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	Government	Department of Chemical Engineering	2019-20	18.7888	2
Design & Development of Solar Dish Concentrator with	Dr. K. Hemachandra Reddy	DST	Government	Department of Mechanical	2019-20	11.32166	3

  
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Thermal Storage Options for Electricity Generation				Engineering			
Nanoparticle Enhanced Phase Change Material Microcapsules/Fibers for Advanced Energy Storage and Allied Applications	Dr. K. Hemachandra Reddy & Dr. P. Dinesh Sankar Reddy	Science and Engineering Research Board	Government	Department of Mechanical Engineering	2019-20	16.96744	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 2020-21**

Name of the Scheme/Project/Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non-Government)	Department	Year of Award	Funds provided (INR in lakhs)	Duration of the project
Implementation of IoT Security Solutions for Health Care Monitoring Systems	Dr.G. Mamatha	Science and Engineering Research Board (SERB)	Government	Department of Electronics & Communication Engineering	2020-21	5.63	1
Online Faculty Development Programme on Advances in Teaching and Research in the Field of Green Energy and Sustainable Development	M VENKATESWARA RAO	Faculty Development Cell, AICTE, under Technical Teachers Training scheme of AICTE, New Delhi	Government	Department of Electrical & Electronics Engineering	2020-21	0.84	6
Development of highly stable mixed matrix membranes (MMM) for dehydration of hydrazine hydrate via Pervaporation for rocket fuel applications	Dr. B. Dilip Kumar	DST-SERB, Govt of India	Government	Department of Chemical Engineering	2020-21	32.7888	1
Nanoparticle Enhanced Phase Change Material Microcapsules/Fibers for Advanced Energy Storage and Allied Applications	Dr. K. Hemachandra Reddy & Dr. P. Dinesh Sankar Reddy	Science and Engineering Research Board	Government	Department of Mechanical Engineering	2020-21	7.27176	3
Creating Virtual University Environment	Chenna Reddy Pakanati	All India Council for Technical Education	Government	Department of Computer Science & Engineering	2020-21	11.2599	3

  
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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	Government	Department of Chemical Engineering	2020-21	3.99	1
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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 2021-22**

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non-Government)	Department	Year of Award	Funds provided (INR in lakhs)	Duration of the project
Synthesis of Nanozeolites and Development of Highly Stable Mixed Matrix Membranes (MMM)for Dehydration of Hydrazine Hydrate via Pervaporation	Dr.S V Satyanarayana	DST-SERB, Govt of India	Government	Department of Chemical Engineering	2021-22	2.4288	2
Implementation of IoT Security Solutions for Health Care Monitoring Systems	Dr.Gannera Mamatha	Science and Engineering Research Board	Government	Department of Electronics & Communication Engineering	2021-22	7.42	1
Utilization of Natural Rubber in Road Construction	Dr. C. Sashidhar	GOI, Ministry of Road Transport &Highways	Government	Department of Civil Engineering	2021-22	8.75	5

  
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