

BEST PRACTICE-II

1.Title of the Practice: CREATING RESEARCH ECOSYSTEM

2.Duration: Year of inception 2022

3.Objectives of the Practice:

a)To establish and institutionalise solid research practices leading to the creation of a unique research culture of the college.

b)To promote and develop a research mind-set among faculty and students by free thinking and experimentation.

4.The Context: The quality of education imparted in an institute of higher education is recognised by its unique research culture. Accordingly, GDCM has created a broad policy framework for promoting research and Development through

- Teachers who are Research guides have to conduct orientation classes to inspire students to be the lifelong learners.
- Creating an environment conducive to free thinking, referencing and inquiring.
- Collaborations and research partnerships with industries.
- Motivating our faculty & students to write up scholarly articles and to take up micro & macro projects.
- Providing necessary policy frame work, financial resources, guidance,support and training to the faculty and students.

5.The Practice: The College implements its own Research promotion policy through a separate Research Promotion Committee that focusses on creation of robust Research ecosystem.

6.Evidence of Success: The efforts of college to promote and institutionalise the pursuit of Research has shown remarkable impact in terms of research output.

7.Problems Encountered and resources required: The following challenges were encountered while incorporating creating Research Ecosystem as a Best Practice.

- Lack of funding opportunities from Govt. Agencies.
- Regular Maintenance of Laboratory Equipment.
- Training in the use of digital tools required.

1.Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

FILENO.AV/KAR/2022/0438

SCIENCE & ENGINEERING RESEARCH BOARD(SERB)

(astatutorybodyoftheDepartmentofScience&Technology,GovernmentofIndia)

ScienceandEngineeringResearchBoard3rd&4thFloor,SERBBlockII

TechnologyBhavan,NewMehrauliRoad,

New Delhi-110016Dated:14-11-2022

ORDER

Subject: Financial assistance for organizing a High-End workshop (**KARYASHALA**) on **IGNITIONANDINFIXOFSCIENTIFICTEMPERINUNDERPRIVILEGEDAREA-REACHTOUN**

REACH by Dr. Pradeep Madhamanchi, Biotechnology & Science Association, GovernmentDegree & PG College (Men)-Srikakulam, Srikakulam, Balagathopu, Andhra Pradesh -532001under the **Accelerate Vigyanscheme**

Sanction is hereby accorded to the payment of a sum of **Rs.500000/-** (**RupeesFiveLakhOnly**)underGeneral(Recurring)tothe**GovernmentDegree&PGCollege(Men)-Srikakulam, Srikakulam, Balagathopu, Andhra Pradesh - 532001** during the financial year**2022-23**.

The budget should be utilized under the following budget heads: - 1. TA (as per Gol norms), stationary, consumables, accommodation and food for the participating students. 2.

TAandhonorarium to the outside experts (if any), as per the Gol norms.

2. As far as possible, the honorarium for the experts is concerned, it could be declined by them,treating this noble contribution as more of their scientific social responsibility while imparting therequisite knowledge and skills to the students. However, for unavoidable constraints/matters, thehonorarium may be given. A maximum of 10 % budget of the total approved budget can beutilizedfor the honorarium (as per Gol norms).

3. Theamountof**Rs.500000/-** (**RupeesFiveLakhOnly**)willbedrawnbyTheUnderSecretary,SERBanddisbursedtothe**GovernmentDegr**

ee&PGCollege(Men)-

Srikakulam,Srikakulam,Balagathopu,AndhraPradeshby means of Electronic Fund Transfer (NEFT/RTGS) as per beneficiary's Bank Details given below:

PFMS Unique ID	APSR00006665
Account Name	M/S IAS C REFRESHER COURSE, Government Degree College -Srikakulam
Account Number	159701000010985
Bank Name & Branch	INDIAN OVERSEAS BANK (IOB), Branch: 1597, Srikakulam
IFSC/RTGS Code	IOBA0001597

Email Id of A/C Holder	srikakulam.jkc@gmail.com
Email id of EO	mpsep15@gmail.com

- 4.** The expenditure involved is debitable to the '**Fund for Science & Engineering Research(FSER)**'. This release is being made under **Accelerate Vigyan** scheme.
- 5.** This sanction is issued with the approval of competent authority under delegated powers and vide sanction number **SERB/F/6725/2022-2023** dated **11-Nov-2022**.
- 6.** As per Rule 211(1) of GFRs, the accounts of the Grantee Institution shall be open to inspection by the sanctioning authority/audit whenever the institute is called upon to do so.
- 7.** It is **mandatory** that the grantee institution is required to submit to this office, an **audited Statement of Expenditure, Utilization Certificate** (in duplicate as per the prescribed format) and **completion report of the above event** (in prescribed format) within three months after the date of completion.
- 8.** The balance amount, with accrued interest, if any, may be returned through **DD** in favor of the '**Fund for Science & Engineering Research**' payable at New Delhi.

9. The Organization/Institute/University should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.
10. In addition, the investigator/host Institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India.
11. The **Logo of SERB & Accelerate Vigyan** must be displayed on all materials being used for the supported event.

Dr. Pankaj Kumar Rawat

Scientist 'D'

To The Under Secretary,

Science and Engineering Research Board (SERB), 3rd & 4th Floor, SERB Block II

Technology Bhavan, New Mehrauli Road, New Delhi-110016

Copy forwarded for the information and necessary action to: -

1.	Sanction Folder, SERB, New Delhi.
2.	File Copy

3.	Dr. Pradeep Madhamanchi Government Degree & PG College (Men)-Srikakulam, Srikakulam, Balagathopu, Andhra Pradesh - 532001 Email: mpsep15@gmail.com
4.	Principal, Government Degree & PG College (Men)-Srikakulam, Srikakulam, Balagathopu, Andhra Pradesh - 532001 Email: srikakulam.jkc@gmail.com

View UTR

2. Number of teachers recognized as research guide

Name of full time teacher with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit.	Qualification (Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit.) and Year of obtaining
Dr. S. Rama Krishna	Ph.D
Dr. S. Dilleswara Rao	Ph.D

3. Number of research papers per teachers in the Journals notified on UGC website

Title of paper	Name of the author/s	Department of the teacher
Skill development in India with reference to the new education policy 2020	Dr. Pydithalli Duppada	Economics
LARVAL CESTODES FROM PLYNEMID FISHES OFF VISAKHAPATNAM COAST, BAY OF BENGAL, ANDHRA PRADESH, INDIA	Dr. Polinaidu Yalla	Zoology
NiO-FeS ₂ Heterostructure Composite: Benign Photocatalyst for Reduction of Nitrophenol to Aminophenol	Dr. Y. Vamsi Kumar	Chemistry
BIOANALYTICAL METHOD FOR SIMULTANEOUS ESTIMATION OF RIBOCICLIB AND LETROZOLE AND ITS APPLICATION TO PHARMACOKINETIC STUDIES USING ULTRA-PERFORMANCE LIQUID CHROMATOGRAPHY	Dr. Y. Vamsi Kumar	Chemistry
Endoplasmic reticulum stress and unfolded protein accumulation correlate to seizure recurrence in focal cortical dysplasia patients	M. Pradeep	Biotechnology
A Study on the effect of vertical, horizontal and combination of elastic power and running speed training on sprinting and	A. Mohan Raju	Physical Education
A Study on the effect of vertical, horizontal and combination of athletic power and running speed training on sprinting and	A. Mohan Raju	Physical Education

Fortflora ofVizianagaram	Dr.R.Pramela	Botany
--------------------------	--------------	--------

Anew apeties of PancratiumDill. Ex	Dr.R.Pramela	Botany
Notes and ethnic importance onthe purplestemtaro (XanthosomaviolaceumSchott- araceae)	Dr.R.Pramela	Botany
Xanthosoma robustum(Araceae):an addition to the flora ofIndia	Dr.R.Pramela	Botany
Sathabdisuridu navala - suridupathra vaividhyam	Dr. S. Dilleswara Rao	Telugu
viswamanava jeevanaa saarameysathakaasaaramsam	Dr.G. V. S. Jayapala rao	Physics
kaarakadhalalosamajika drushti- oka parisilana	Dr.G. V. S. Jayapala rao	Physics
Kara varibhayamkadha - okaparisilana	Dr. P. VenkataRamana	Telugu
Ethnomedicinalplants used byValmikitribes of MunchingiputtuMandal, Alluri Sitaramaraju District,	Dr.R.Pramela	Botany
Bhayamkadhawararachiyatasa majanikiichina sandesam	Dr.O.Rama Rao	Sanskrit
Kaara mastarukadhalu - Vargasamajanirmanamthiruthen nulu	Dr. S. Dilleswara Rao	Telugu
Existence ofpositivityofsolutions ofhigherorder3.boundaryvaluepr oblemsinvolvingp-Laplacian	Sri. R.Ravishankar	Mathematics
Existence ofpositivie solutionsfor 3nth orderboundaryvalueproblemsinv	Sri. R.Ravishankar	Mathematics

Regulation of keap -Nrf2 axis intemporallobe epilepsy- Hippocampalsclerosis patientsmay limitthe	Sri. M. Pradeep	Biotechnology
---	-----------------	---------------

IndianEnglishLanguageLearners' Struggle in UsingtheFour LanguageSkills ofEnglish :AStudy	Dr. S. SasiBhushan	English
Satyavathikadalo sthri	Dr. S. Dilleswara Rao	Telugu
Yuvathasamagraabivrudhilovidh ya sahithisamskrutha lo patra	Dr.R.Srinivasa Patro	Hindi
Hindipremchand kekadasahityame	Dr.R.Srinivasa Patro	Hindi
Ethnomedicinalplants used byMalitribes of AnanthagiriMandal, AlluriSitaramaraiuDistrict.	Dr.R.Pramela	Botany
P satyavathikadhalu, sthrisamasya chithrana	Dr. S. Dilleswara Rao	Telugu
Netiyuvathakuadarshaprayamai naekalavyunividya samupardjana	Dr.O.Rama Rao	Sanskrit

Name ofjournal	Year ofpublication	ISSN number	Link to the recognition inUGCenlistment ofthe
InternationalJournal of Innovative researchin Technology	2022	2349-6002	rce/ISSN/2349-6002#
			https://connectjournals.co m

J. Exp. Zool.India	2022	0972-0030	J- 033215&&issue_id=&&yaer=2022
Journalof materialsscience and surfaceengineering	2022	2348-8956	6 Allu%20et%20al.pdf
InternationalJournal of appliedpharmaceutic	Mär.22	0975-7058	https://innovareacademics.in/journals/index.php/ijap/article/view/44440
Springer	Jun.22	12192-022- 01301-0	https://link.springer.com/article/10.1007/s12192-022-01301-0
InternationalJournal of Yoga,Physiotherapya	2022	2456-5067	https://www.sportsjournal.
InternationalJournal of Yoga,Physiotherapya	2022	2456-5067	https://www.sportsjournal.
Journalof MedicalPnats studies	2022	2394-0530	https://portal.issn.org/resource/ISSN/2394-0530

A Journal of Threatened Taxa	2022	0974-7893	www.threatenedtaxa.org
J. Indian bot. Soc	2022	2455-7218	https://indianbotsoc.org/assets/upload/uploaded/943c35bfff5b61926147a3101409.pdf
Indian Journal of forestry	2022	0971-9431	https://www.bsmpsbooks.com/journal/1000/article/WTQ5MIU4
International Journal of multidisciplinary education	2022	2277-7881	http://s3-ap-southeast-1.amazonaws.com/ijmer/pdf/volume11/volume11-issue4(4)/volume11-issue4(4).pdf
AUCHITHYAM Research journal for Telugu language	2022	2583-4779	https://portal.issn.org/resource/ISSN-L/2277-7881
BHAVEVEENA spl	2022	2456-4702	https://portal.issn.org/resource/ISSN/2456-4702
BHAVEVEENA spl	2022	2456-4703	https://portal.issn.org/resource/ISSN/2456-4702
			https://doi.org/10.30574/w

World Journal of Botany Pharmacy and Health Sciences	2023	2582-5542	bphs.2023.14.3.0241
BHAVEVEENA spl issue	2022	2456-4704	https://portal.issn.org/resource/ISSN/2456-4702
BHAVEVEENA spl issue	2022	2456-4704	https://portal.issn.org/resource/ISSN/2456-4702
Advances in the therapy of non Linear analysis and its applications	2022	2587-2648	b/atnaa/issue/70186/845044
Create.Math.Inform.	2022	1584-286X	https://semnul.com/creative-mathematics/wp-content/uploads/2022/02/creative_2022_31_1_101_108.pdf
Neurological Sciences	2022		https://link.springer.com/article/10.1007/s10072-023-06936-0

A Journal for New Zealand Herpetology	2023	2230-5807	https://biogecko.co.nz/admin/uploads/paper-3.pdf
AUCHITHYAM Research journal for Telugulugang	2023	2583-4791	https://www.auchithyam.com/2023/jun_2023/full_papers/june23_11.php
Global Research Canvas	2023	2394-5427	
Blue Rose Publishers	2022		
World Journal of Botany, Pharmacy and Health Sciences	2023	2582-5542	https://doi.org/10.30574/wjbphs.2023.14.3.0243
International Journal of English and Studies	2023	2581-8333	https://www.ijoes.in/index.html
Global Research Canvas	2022	2394-5427	

Numberof books and chapters in edited volumes/books published and papers published national/ international conference

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
2										
3	1	Dr. R. Srinivasa Patro	Hindi prem chand ke kada sahitya me naari ki abisthakathi	Hindi prem chand ke kada sahitya me naari ki abisthakathi		National	2022	ISSBN 978-93-5741-626-9	Government Degree College (M), Srikakulam	Blue Rose Publishers
4	2	Sri. M. Pradeep	Endoplasmic reticulum stress and unfolded protein accumulation correlate to seizure recurrence in focal cortical dysplasia patients	Endoplasmic reticulum stress and unfolded protein accumulation correlate to seizure recurrence in focal cortical dysplasia patients		International	2022	12192-022-01301-0	Government Degree College (M), Srikakulam	Springer
5	3	Dr. S. Rama Krishna	Gree Chemistry and Nanotechnology	Gree Chemistry and Nanotechnology		National	2022	9789357376112	Government Degree College (M), Srikakulam	Self Publishing
6	4	Dr. S. Rama Krishna	Gree Chemistry and Nanotechnology (Telugu Medium)	Gree Chemistry and Nanotechnology (Telugu Medium)		National	2022	9789357684958	Government Degree College (M), Srikakulam	Self Publishing

