

**THE GANDHIGRAM RURAL INSTITUTE
(DEEMED TO BE UNIVERSITY)
GANDHIGRAM-624 302, DINDIGUL DISTRICT, TAMIL NADU
(Ministry of Human Resource Development, Govt. of India)
Accredited by NAAC with 'A' Grade (3rd Cycle)**



INTERNAL QUALITY ASSURANCE CELL

ANNUAL QUALITY ASSURANCE REPORT

2017 - 2018

PART – A

1. Details of the Institution

1.1 Name of the Institution

The Gandhigram Rural Institute
(Deemed to be University)

1.2 Address Line 1

Gandhigram

Address Line 2

City/Town

Dindigul

State

Tamil Nadu

Pin Code

624 302

Institution e-mail address

gridu@ruraluniv.ac.in

Contact Nos.

0451-2452305

Name of the Head of the Institution:

Dr. S. Natarajan

Tel. No. with STD Code:

0451-2452305

Mobile:

9442105116

Name of the IQAC Co-ordinator:

Dr. P. Shanmugavadivu

Mobile:

9443736780

IQAC e-mail address:

iqac@ruraluniv.ac.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)

TNUNGN10049

1.4 NAAC Executive Committee No. & Date:

EC/53/RAR/51 dated 9-4-2010

1.5 Website address:

www.ruraluniv.ac.in

Web-link of the AQAR:

<http://www.ruraluniv.ac.in/academics?content=iqacaqar>

1.6 Accreditation Details

S. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	Five Star	75 & Above	2002	2002-2007
2	2 nd Cycle	A	3.09	2010	2010-2015
3	3 rd Cycle	A	3.20	2016	2016-2021

1.7 Date of Establishment of IQAC:

15/12/2003

1.8 AQAR for the Year

2017 - 18

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC

i. AQAR 2016-17 submitted to NAAC on 28/11/2017

1.10 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous College of UGC Yes No

Regulatory Agency approved Institution Yes No

Type of Institution Co-education Men Women
Urban Rural Tribal

Financial Status Grant-in-Aid UGC 2(f) UGC 12B
Grant-in-Aid + Self Financing Totally Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

- School of Agriculture & Animal Sciences

1.12 Name of the Affiliating University (*for the Colleges*)

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc.

Autonomy by State/Central Govt. / University	<input type="text" value="Deemed to be University"/>		
University with Potential for Excellence	<input type="text"/>	UGC-CPE	<input type="text"/>
DST Star Scheme	<input type="text"/>	UGC-CE	<input type="text"/>
UGC-Special Assistance Programme	<input type="text" value="✓"/>	DST-FIST	<input type="text" value="✓"/>
UGC-Innovative PG programmes	<input type="text" value="✓"/>		
UGC-COP Programmes	<input type="text" value="✓"/>		

Any other (*Specify*)

- Deen Dayal Upadhyay Kaushal Kendra(DDU-KK) by UGC
- Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) by MHRD.
- Pradhan Mantri Bhartiya Janaushadhi Kendra (PMBJK) by Department of Pharmaceuticals, Gol
- UGC – INFLIBNET
- Global Initiative for Academic Networks (GIAN), MHRD, Gol
- Unnat Bharat Abhiyan (UBA), MHRD, Gol
- Swachh Bharat Abhiyan (SBA) by Ministry of Drinking Water and Sanitation, Gol.
- PACE Deployment TA Program (PACE-D TA) by MNRE, Gol.
- Krishi Vigyan Kendra (KVK), ICAR, Gol.
- National Level Monitoring, Ministry of Rural Development, Gol.

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="9"/>
2.2 No. of Administrative/Technical Staff	<input type="text" value="2"/>
2.3 No. of Students	<input type="text" value="0"/>
2.4 No. of Management Representatives	<input type="text" value="1"/>
2.5 No. of Alumni	<input type="text" value="1"/>
2.6 No. of any Other Stakeholder and Community Representatives	<input type="text" value="1"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="0"/>
2.8 No. of other External Experts	<input type="text" value="1"/>
2.9 Total No. of Members	<input type="text" value="14"/>
2.10 No. of IQAC Meetings held	<input type="text" value="4"/>
2.11 No. of Meetings with various Stakeholders:	No. <input type="text" value="21"/> Faculty <input type="text" value="2"/>
Non-Teaching Staff <input type="text" value="2"/> Students <input type="text" value="1"/> Alumni <input type="text" value="03"/> Others <input type="text" value="13"/>	
2.12 Has IQAC received any funding from UGC during the year?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

2.13 Seminars and Conferences (only quality-related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution level

(ii) Themes

1. Faculty Development Programme on Teaching, Learning Methodologies
2. Faculty Development Programme on Outcome Based Education, NAAC & NIRF
3. Sensitization Programme on UGC guidelines on PBAS
4. Quality Sustenance
5. Workshop on Outcome Based Education

2.14 Significant Activities and Contributions made by IQAC

1. Participated in NIRF India Rankings 2018 and got 79th rank.
2. Coordinated the UGC Expert Committee's Visit to GRI during August 2017 and 12B status was approved in September 2017, under the UGC Act 1956.
3. Scopus indexed publications of the Faculty members of GRI was compiled.
4. Students' Profile Analysis was carried out.
5. Analysis of Students' Feedback on courses and teachers was done.
6. Documentation and Scrutiny of PBAS Reports of teachers was done.
7. Scrutinized and evolved the CAS norms for teaching staff as per the latest UGC guidelines.
8. Review of the academic activities through Department Committee Meetings.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality Enhancement and the Outcome achieved by the end of the year *

Plan of Action	Achievements
Participation in NIRF 2018	Institute got 79 th rank in NIRF 2018
Inclusion of GRI under Section 12B of the UGC Act 1956.	UGC Expert Committee visited GRI in August 2017. The Commission considered and approved the 12B Status under the UGC Act 1956 in September 2017.
Preparation and Submission of AQAR	AQAR(2016-17) was uploaded in the Institute website as well as NAAC website
Unnat Bharat Abhiyan Initiatives	Programmes chalked out for 7 Panchayats
Conduct of Seminars/ Conferences/ Workshops/ Symposiums/ Training Programmes for knowledge dissemination and sharing	78 Programmes were organized. <ul style="list-style-type: none"> • Seminars : 13 • Conferences : 03 • Workshops : 17 • Symposia : 01 • Trainings : 44
Formalizing the framework of Ph.D. programme and Strengthening of Ph.D. Coursework	Workshops, inviting external experts were conducted by all the Faculty/ Departments/ Centres to evolve Ph.D. Coursework
Submission of proposal for IoE	Detailed proposal was prepared and presented to EEC - MHRD

2.16 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

- Internal Quality Assurance Cell Meeting was held on 12/09/2018 to scrutinize the AQAR 2017-18.
- AQAR 2017-2018 was approved by the Planning and Monitoring Board, GRI on 14/09/2018.
- AQAR 2017-2018 was reviewed by the External Experts in the meeting held on 26/12/2018.

PART – B

CRITERION – I

1. CURRICULAR ASPECTS

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of Programmes Added during the Year	Number of Self-Financing Programmes	Number of Value Added/ Career Oriented Programmes
Ph.D.	32	-	-	-
PG	25	02	-	-
UG	12	01	-	-
PG Diploma	03	-	-	-
Advanced Diploma	01	-	-	-
Diploma	03	-	-	-
Certificate	01	-	-	-
Others	17	01	-	-
	<ul style="list-style-type: none">▪ M.Phil.: 14▪ MA Development Administration (Five Year Integrated)▪ B.Ed.▪ M.Ed.	<ul style="list-style-type: none">▪ MA Sociology (Five Year Integrated)		
Total	94	04	-	-

Interdisciplinary	15	2	-	-
Innovative	4	1	-	-

1.2 (i) Flexibility of the Curriculum: CBCS Core Elective option Open options

(ii) Pattern of programmes:

Pattern	Number of Programmes
Semester	98
Trimester	Nil
Annual	Nil

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

Mode of feedback : Online Manual Co-operating Schools

****Please provide an analysis of the feedback in the Annexure***

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

- The previously offered sectoral-specific MBA Programmes (Small Business Management, Cooperative Management, Rural Project Management and Rural Industries Management) were amalgamated and redesigned into MBA Programme.
- New Programmes Introduced:
 - M.A Sociology (Integrated Five Year)
 - M.Com (Co-op Management)
 - MBA
 - B. Voc. (Dairy Production and Technology)
- Ph.D. regulations are revised and updated. The course work is designed for two semesters.
- The Ph.D. Coursework syllabi of each discipline were revised in consultation with the External Experts

1.5 Any new Department/Centre introduced during the year. If yes, give details.

The previous academic structure with 7 Faculties, 22 Departments and 9 Centres are reorganised into 8 Schools, 16 Departments and 12 Centres to comply with the requirements of UGC to obtain 12B Status.

CRITERION – II

2. TEACHING, LEARNING AND EVALUATION

2.1 Total No. of Permanent Faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	142	51	07	78	6

2.2 No. of Permanent Faculty with Ph.D.

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
2	11	--	11	--	12	--	02	02	36

2.4 No. of Guest and Visiting faculty and Temporary faculty

2.5 Faculty Participation in Conferences and Symposia:

No. of Faculty	International Level	National Level	State Level
Attended Seminars / Conferences / Workshop	10	28	16
Presented Papers	37	47	10
Resource Persons	18	54	42

2.6 Innovative Processes adopted by the institution in Teaching and Learning:

1. Blended Learning
2. Brainstorming Sessions
3. Social Media Enabled Learning
4. Online Learning
5. Collaborative Learning
6. Flipped Classroom
7. Smart Classrooms
8. M-Learning
9. Experiential Learning
10. Experimental Learning
11. Cooperative Learning

2.7 Total No. of actual teaching days during this academic year 180

2.8 Examination/ Evaluation Reforms initiated by the Institution

- Both Internal and External Examiners send the question papers to the Controller of Examinations, GRI through e-mail.
- Evaluation of End Semester Examination answer scripts at the respective academic units, to speed-up publication of results.
- On applying for revaluation, the photocopies of the end semester examinations answer scripts will be issued to the students.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

All	All	All
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2.10 Average Percentage of Attendance of Students 90%

2.11 Course/ Programme-wise Distribution of Pass Percentage

Title of the Programme	Total no. of students appeared	No. of Students Passed	Division				Pass %
			Distinction	I Class (%)	II Class (%)	III Class (%)	
M.A.(5Yr.Int)Development Administration	18	18	1 (5.55)	15 (83.33)	2 (11.11)	-	18 (100)
M.A. Hindi	1	1	-	1 (100)	-	-	1 (100)
M.A. Economics	7	7	-	6 (85.71)	1 (14.29)	-	7 (100)
M.A. HRCM	2	1	-	1 (50)	-	-	1 (50)
M.A. Rural Development	4	4	1 (25)	3 (75)	-	-	4 (100)
M.A. Tamil & Indian Literature	13	13	-	12 (92.30)	1 (7.69)	-	13 (100)
M.A. Eng. & Communicative Studies	23	15	-	13 (86.66)	2 (13.33)	-	15 (65.22)
MBA. Cooperative Management	16	15	-	14 (93.33)	1 (6.66)	-	15 (93.75)
MBA. Rural Industries and Management	15	13	1 (7.69)	12 (92.30)	-	-	13 (86.66)
MBA. Rural Project Management	14	14	-	12 (85.71)	2 (14.28)	-	14 (100)
MBA. Small Business Management	15	14	4 (28.57)	9 (64.28)	1 (7.14)	-	14 (93.33)

M.Sc. Mathematics	33	25	12 (48)	13 (52)	-	-	25 (75.76)
M.Sc. Physics	33	8	-	8 (100)	-	-	8 (24.24)
M.Sc. Chemistry	35	30	9 (30)	21 (70)	-	-	30 (85.71)
M.Sc. Micro Biology	21	21	15 (71.43)	6 (28.57)	-	-	21 (100)
M.Sc. Zoology	18	17	6 (35.29)	11 (64.71)	-	-	17 (94.44)
M.Sc. Botany	22	18	8 (44.44)	10 (55.55)	-	-	18 (81.81)
M.Sc. Dairy Science	18	16	10 (62.5)	6 (37.5)	-	-	16 (88.8)
M.Sc. Food Science & Nutrition	19	19	9 (47.37)	10 (52.63)	-	-	19 (100)
M.Sc. Information Technology	23	18	2 (11.11)	15 (83.33)	1 (5.56)	-	18 (78.26)
M.Sc. Geo informatics	25	24	11 (45.8)	13 (54.16)	-	-	24 (96)
M.Sc. Applied Geology	7	7	1 (14.28)	6 (85.71)	-	-	7 (100)
M.Tech. Renewable Energy	17	17	7 (41.17)	10 (58.82)	-	-	17 (100)
Master of Computer Applications	46	40	4 (10)	35 (87.5)	1 (2.5)	-	40 (86.95)
M.Ed	2	2	1 (50)	1 (50)	-	-	2 (100)
BBA. Rural Industries & Management	48	24	-	14 (58.33)	10 (41.66)	-	24 (50)
B.A. Gandhian Social Work	15	9	-	3 (33.33)	5 (55.55)	1 (11.11)	9 (60)
B.Com. Cooperation	39	25	-	8 (32)	17 (68)	-	25 (64.10)
B.Sc. Mathematics	55	43	11 (25.58)	23 (53.49)	9 (20.93)	-	43 (78.18)
B.Sc. Physics	47	43	6 (13.95)	35 (81.39)	2 (4.65)	-	43 (91.49)
B.Sc. Chemistry	38	31	14 (45.16)	16 (51.61)	1 (3.23)	-	31 (81.58)
B.Sc. Home Science	38	30	6 (20)	17 (56.66)	7 (23.33)	-	30 (78.95)
B.Sc. Textiles & Fashion Design	25	21	1 (4.76)	19 (90.47)	1 (4.76)	-	21 (84)
B.Sc. Agriculture	24	24	2 (8.33)	22 (91.66)	-	-	24 (100)
B.Tech.(HD) & Lateral Entry	35	32	6 (18.75)	25 (78.13)	1 (3.13)	-	32 (91.43)
B.Ed.	19	19	18 (94.74)	1 (5.26)	-	-	19 (100)
B.Voc. (FEOM)	36	16	4 (25)	12 (75)	-	-	16 (44.44)
B.Voc. (FAD)	4	3	1 (33.33)	2 (66.67)	-	-	3 (75)
PG Diploma in Sanitary Inspectors	59	59	14 (23.73)	45 (76.28)	-	-	59 (100)
Post Diploma in Commercial Horticulture	12	12	9 (75)	3 (25)	-	-	12 (100)
PG Diploma in Spatial Technologies	11	11	3 (27.27)	8 (72.72)	-	-	11 (100)

PG Diploma in Yoga Education	7	5	2 (40)	3 (60)	-	-	5 (71.43)
Diploma in Agriculture	51	45	31 (68.89)	14 (31.11)	-	-	45 (88.23)
Diploma in Textile Technology	26	14	13 (92.86)	1 (7.14)	-	-	14 (53.85)
Diploma in Two Wheeler Mechanism & Maintenance	27	21	15 (71.43)	6 (28.57)	-	-	21 (77.78)

2.12 How does IQAC Contribute/ Monitor/ Evaluate the Teaching & Learning processes:

- Student Profile Analysis is done by IQAC
- Online Feedback is collected from students on the courses & teachers
- The Consolidated feedback forms are sent to the departments for follow-ups
- The feedback on teachers is analysed and submitted to authorities for appropriate action.
- Feedback is obtained from the stakeholders
- Workload of teachers is collected and analyzed.
- The Minutes of the Departmental Committee meetings are analyzed.

2.13 Initiatives undertaken towards Faculty Development

Faculty / Staff Development Programmes	Number of Faculty Benefitted
Refresher Courses	10
UGC – Faculty Improvement Programme	07
HRD Programmes	--
Orientation Programmes	03
Faculty Exchange Programme	09
Faculty Development Programme conducted by the University	136
Faculty Development Programme/ Training/ Short Term Programmes conducted by other institutions	12
Capacity Building Programmes Summer / Winter Schools, Workshops, etc.	07
Others	06

2.14 Details of Administrative and Technical Staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of Permanent Positions Filled during the Year	Number of Positions Filled Temporarily
Administrative Staff	85	61	--	60
Technical Staff	56	32	--	36

CRITERION – III

3. RESEARCH, CONSULTANCY AND EXTENSION

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- Reputed/ Refereed Journals as notified by UGC are popularized among the faculty members and research scholars
- Scopus indexed publications of the institute are compiled.
- Research Quality Metrics are documented.
- Research Quality Circle activities at the Faculty/ Departments/ Centres are strengthened
- Faculty Development Programmes were conducted to enrich the Research and Innovation Culture
- Faculty members are motivated to submit research proposals to various national/ international funding agencies

3.2 Details regarding Major Projects

	Completed	Ongoing	Sanctioned	Submitted
Number	20	46	2	50
Outlay in Rs. Lakhs	235.44	1115.91	27.06	2532.13

3.3 Details regarding Minor Projects

	Completed	Ongoing	Sanctioned	Submitted
Number	3	2	--	3
Outlay in Rs. Lakhs	3.95	2.75	--	4.7

3.4 Details on Research Publications

	International	National	Others
Peer Reviewed Journals	254	39	03
Non-Peer Reviewed Journals	58	7	03
e-Journals	-	-	-
Conference Proceedings	41	39	02

3.5 Details on Impact Factor of Publications

Range

Average

h-Index

Nos. in Scopus

3.6 Research funds sanctioned and received from various funding agencies, industry and other Organisations

Sl. No.	Title of the Project	Name of the Principal Investigator	Department	Project Period	Funding Agency	Sanctioned Amount (In. Rs.)	Total grant Received (In. Rs.)
	Major Projects (ongoing)						
1.	Evaluating the Rural Infrastructure Building Scheme THAI in Tamil Nadu.	Dr.G.Palanithurai	Political Science and Development Administration	In Progress	State Planning Commission, Tamil Nadu	407000	0
2.	Impact of MGNREGA at Household Decision Making	Dr.G.Palanithurai	Political Science and Development Administration	In progress	IRMA, Gujarat	1200000	360000
3.	Can MGNREGS contribute to the Strengthening of Safety Nets?	Dr.V.Ragupathy	Political Science and Development Administration	In progress	ICSSR	3000000	750000
4.	Empowering and Engaging Youth for Social Action through Social Media	Dr.V.Ragupathy	Political Science and Development Administration	2016-2018	RGNIYD	800000	0
5.	TISPRI	Dr.K.S.Nakeeran	Political Science and Development Administration	2015-16	NIRD	555500	277750
6.	Studies on Qualitative Properties of Hilfer Fractional Stochastic Dynamical System	Dr.P.Balasubramanian	Mathematics	2018-2021	SERB	660000	0
7.	Mathematical Modeling of Multi-Item, Multi-Echelon Supply Chain System in Stochastic Environment	Dr.R.Uthayakumar	Mathematics	2014-2017	DST	1199988	0
8.	Theoretical and Numerical Solutions for Fractional Order Optimal Control Problems	Dr.P.Muthukumar	Mathematics	2015-2018	DST-SERB	1506000	0
9.	Stabilization of Network Control System with its Optimal Estimation	Dr.P.Muthukumar	Mathematics	2017-2020	CSIR	1636000	396037
10.	A theoretical study on existence and controllability properties of abstract mathematical model of stochastic partial differential equations	Dr.P.Muthukumar	Mathematics	2013-2015	NBHM	191400	191400
11.	Synthesis and Characterization of Nano piezoelectric material for vibration sensor applications.	Dr.K.Jayakumar	Physics	2013-2016	ISRO	1541000	84000
12.	Microwave assisted hydrothermal synthesis	Dr.G.Muralidharan	Physics	2014-2017	BRNS	2450900	0

	and characterization of binary and ternary metal oxide / carbon material no composites and fabrication of asymmetric supercapacitor devices for energy storage applications.						
13.	Development of Sol-gel Derived Organosilicate Hybrid Coatings Preloaded with Organic Corrosion Inhibitor for Metallic Substrates	Dr.M.G.Sethuraman	Chemistry	2012-2015	BNRS	2369000	82191
14.	Protection of Metallic Substrates Using Electropolymerized Films of Azole Derivations and Their Composite Coating	Dr.M.G.Sethuraman	Chemistry	2016-2019	CSIR	1350000	0
15.	Eco-friendly synthesis of fluorescent hetero-atom doped carbon dots and its application in bio-imaging and catalysis	Dr.M.G.Sethuraman	Chemistry	2018-2021	DST-SERB	3206500	0
16.	Synthesis and stereochemical studies of 6-hydroxy-4,8,9,10-tetraphenyl-1,3-diazadamantanes and 6-amino-4,8,9,10-tetraphenyl 1,3-diazaadamantanes	Dr.M.Sundaravadevelu	Chemistry	2013-2016	UGC	935800	0
17.	Development of new biopolymer based functional nanocomposites, resins and hybrid material for the recovery of oil from oil-in-water emulsion	Dr.S.Meenakshi	Chemistry	2014-2017	CSIR	1267000	0
18.	Development of biopolymeric functionalized resins /membrances for the selective removal of nitrate and phosphate	Dr.S.Meenakshi	Chemistry	2018-2021	DBT	2030800	979800
19.	Synthesis and Characterization of chitosan based nanohybrid photocatalysts for the detoxification of toxic iron	Dr.S.Meenakshi	Chemistry	2016-2019	SERB	4345000	650000
20.	Development of new Biopolymeric Functionalized Resins /Nanocomposites Hybrid Materials for the Removal of Heavy	Dr.S.Meenakshi	Chemistry	2018-2021	DRDO	5483400	0

	Metals Irons						
21.	Metabolically Versatile Paracoccus Sp., for the bioremediation of toxic and harmful xenobiotics from waste water – a prospect of genomic exploitation	Dr.S.Abraham John	Chemistry	2017-2020	DBT	2023000	0
22.	Carbon Nanomaterials Functionalized Metal Nanoparticles as Fluorescent and Electrochemical Sensors for Clinically Relevant Biomolecules	Dr.S.Abraham John	Chemistry	2017-2020	SERB	3390508	350000
23.	Synthesis of Single-chain Polymer Nanoparticles from Cyclic Polymers via Non-covalent Interactions	Dr.M.Arunachalam	Chemistry	2016-2019	DST-SERB	2298000	430000
24.	Prevalence of Respiratory Disorders Among Spinning Mill Workers and Developing Protective Measures	Dr.R.I.Sathya	Home Science	2012-15	UGC	712500	0
25.	Prevalence of Obesity and Metabolic Syndrome in the Rural Adult Population: A Diagnostic Study for Intervention and Prevention”	Dr.S.S.Vijayanchali	Home Science	2012-15	UGC	1160800	0
26.	Production and statistical Optimization of Bio-Hydrogen using Aquatic Weeds and Water Lettuce Employing Microbial Technology	Dr.A.Davidravindran	Biology	2015-2017	DST	1887000	0
27.	Studies on population dynamics, in vitro propagation and Conservation of three endemic and Endangered trees of Western Ghats	Dr.R.Ramasubbu	Biology	2013-2016	DST-SERB	2260000	235603
28.	Trust based Authentication Mechanism for Mobile Ad Hoc Networks	Dr.S.Sivagurunathan	Computer Science and Applications	2013-2016	UGC	577000	68000
29.	Computer Assistant Diagnosis for the Detection and Classification of Microcalcifications in Digital Mammograms using Fractal Techniques	Dr.P.Shanmugavadivu	Computer Science and Applications	2015-2018	ICMR	1255100	0

30.	Automated Diagnostic tool for Segmentation and Classification of Renal Calculi in Ultrasound Images	Dr.P.Shanmugavadivu	Computer Science and Applications	2016-2018	DST-SERB	1100000	0
31.	Indo-US 21 st Century Knowledge Initiative, Augmenting the Curriculum of Higher Educational Institutions with an On-Line Integrated Cognitive-Based Employability Skills Assessment System using Signal and Video Analytics	Dr.P.Shanmugavadivu	Computer Science and Applications	2015-2018	UGC	12500000	0
32.	Development of Computational Methods for Automatic Detection and Classification of Alzheimer's Brain MR Images	Dr.P.Kalavathi	Computer Science and Application	2017-2020	SERB	2202000	0
33.	Malady Remedy Analysis of Stabilized Mud Blocks based Structures with a focus on Development of Affordable hazard-Resistant Housing Strategies	Dr.K.Mahendran	Rural Technology Centre	Since 2013	UGC	1121000	0
34.	Design and Development Mud based Geopolymeric Masonry and Paver Blocks using Industrial and Agro Wastes	Dr.K.Mahendran	RTC	2017-2020	SERB	2536000	0
35.	Energy Conservation Awareness Programme	Dr.V.Kirubakaran	Rural Energy Centre	2015	PCRA	2138000	3001831
36.	Sensitization on Environmental Concerns and ECO-Futures among Rural Youths through Eco-Club of Gandhigram Rural Institute	Dr.V.Kirubakaran	Rural Energy Centre	2014-2017	DST	405000	200000
37.	An imaging Spectroscopic Study of Ultramafic – Mafic Complexes and their Associated Mineral Resources in South India	Dr.S.Arivazhagan	Centre for Applied Geology	2016-2019	DST-SERB	1540000	200000
38.	Lithological and chronological characterization of selected lunar mare regions usisng lunar hydrespectral data	Dr.S.Arivazhagan	Centre for Applied Geology	2016-2019	ISRO	1726000	0
39.	Remote Geochemical and Mineralogical	Dr.S.Arivazhagan	Applied Geology	2016-2019	ISRO	2093000	583000

	Analysis of Surface of Mars with Mars Orbiter Mission Data						
40.	Rainfall Induced Landslide Fore Warning System for Lingaslide, Nilgiris, South India – LINGASLIDE Project Phase II	Dr.M.Muthukumar	Rural Development	2015-2018	DST, New Delhi	2947600	0
41.	Socio-Economic Status of Women Manual Scavengers in Tamil Nadu	Dr.M.Hilaria Soundari	Applied Research	2016-2018	ICSSR	600000	240000
42.	Social and Health Consequences of Dyeing and Bleaching Industries in Karur District of Tamil Nadu	Dr.R.Kumaran	Sociology	2017-2020	ICSSR	450000	180000
43.	Shodhganga	Dr.M.Tamilzhchelvan	G.Ramachandran Library	2017-2019	UGC	1273000	967328
44.	Gandhigram Creche Project	Dr.L.Raja	Centre for Lifelong Learning	2006 onwards	FCRA	1557348	1557348
45.	DST – FIST	Head & Physics	Physics		FIST	12200000	581130
46.	KVK – Recurring Contingencies, Programmes Conducted and Special Projects	The SS & Head, KVK	KVK	2017-2018	ICAR	13503000	13503000
	Total					111591144	25868418
	Minor Projects (ongoing)						
47.	Hindi Aur Marathi ki Dalit Aatmakathaavonmein Asmitaki Talash	Dr. Khandare Chandu Laxman	Hindi	2013 - 2014	UGC	140000	0
48.	Development and Validation of a Scale to assess the extent of Inclusion of Physically Challenged Children in Upper Primary Schools”	Dr.S.Kavitha Maithily	Home Science	2013-15	UGC	135000	0
	Total					275000	0
	Major projects (Completed)						
1.	Molecular Design and Synthesis of Push-Pull Type Perylene Dyes for Dye Sensitized Solar Cells	Dr.P.Kalimuthu	Chemistry	2013-2017	UGC - MRP	1181800	1181800
2.	Studies on the Coulomb Interaction of Double Acceptors in Magnetic Semiconductor Nanostructured Systems	Dr.K.Jayakumar	Physics	2013-2017	UGC – MRP	1096800	1096800

3.	Reproductive Ecology and conservation of <i>Garcinia imberti</i> Bourd and <i>Garcinia travancorica</i> Bedd: endemic and endangered tree species from the Agasthyamalai Biosphere Reserve	Dr.R.Ramasubbu	Biology	2013-2017	UGC – MRP	865800	865800
4.	An Analytical Study of Health Status Among the Arunthaiyars in Tamil Nadu: A Vulnerable Case of Social Exclusion	Dr. Anjuli Chandra	Centre for Study of Social Exclusion and Inclusive Policy	2013-2017	UGC – MRP	675600	675600
5.	Access to Finance and Inclusive Growth of Scheduled Caste and Scheduled Tribe Women Entrepreneurs: The Role of Micro Finance Institutions in Tamil Nadu	Dr.L.Rathakrishnan	Rural Industries and Management	2012-2016	UGC - MRP	654600	654600
6.	Computational Fluid Dynamics Studies on Cost Effective & Energy Efficient Building Design	Dr.V.Kirubakaran	Rural Energy Centre	2013-2017	UGC - MRP	554100	554100
7.	A Study on the Role of PACS in Ensuring Access to Institutional Credit to Rural women through SHGs in Tamil Nadu	Dr.K.Ravichandran	Cooperation	2014-2017	ICSSR	900000	900000
8.	Export Potential in Rural Economy with Special Reference to Agriculture: A Case Study of Dindigul District in Tamil Nadu	Dr.S.Nehru	Economics	2013-2017	ICSSR	700000	700000
9.	Addressing the Educational Needs of Children with Special Needs in Rural Primary Schools Issues and Challenges Faced by Teachers	Dr.K.S.Pushpa	Home Science	2014-2017	ICSSR	400000	400000
10.	Some Investigations on the Excitation States in Semiconductor Nanostructured Systems	Dr.P.Nithiananthi	Physics	2013-2017	DST – SERB	940000	940000
11.	Existence, Controllability and Stability Analyses of Fractional Semilinear Differential Inclusions	Dr.P.Balasubramanian	Mathematics	2013-2016	CSIR	1222950	1222950
12.	Optimal Decision making through inventory and supply chain modeling in	Dr.R.Uthayakumar	Mathematics	2013-2016	CSIR	765869	765869

	Healthcare industries						
13.	High Resolution Digital Satellite Data Based Resource Information System, Geohazards and Mitigation Studies Based on GIS Technologies at Kolli Hill, Tamil Nadu, India	Dr.B.Gurugnanam	Centre for Applied Geology	2013-2016	CSIR	1892000	1892000
14.	Landslide Inventory and Generation of Morphological Database Using Geospatial Technology in Nilgiris District South India	Dr.B.Gurugnanam	Centre for Applied Geology	2013-2016	DST-NRDMS	1376054	1376054
15.	Mathematical Modeling for Optimizing the Inventory Costs in a Stochastic Recycling Environment with Trade Credit and Service Level Constraint	Dr.R.Uthayakumar	Mathematics	2014-2017	NBHM	1205386	1205386
16.	MGNREGS on Sustainable Livelihood and Ecological Security	Dr.L.Rathakrishnan	Rural Industries and Management	2012-2016	ICSSR	728850	728850
17.	Rational Design of Metal Complex Based Selective Fluoride Ion Sensors Possessing Novel Signaling Unit with Augmented H-bonding Abilities to work in Organic and Aqueous Media.	Dr.K.P.Elango	Chemistry	2013-2016	CSIR	2261000	2261000
18.	Development of Cost Effective Diagnostic Tools for the Determination of Food Adulterants and Contaminants Using Metal Nanoparticles	Dr. S. Abraham John	Chemistry	2014-2017	DBT	2910000	2910000
19.	Synthesis of 1,3-dihydro benzoxazines and 1,2,3,4-tetrahydrobenzo quinazoline derivatives and its applications in asymmetric organic synthesis	Dr. M.Seenivasa Perumal	Chemistry	2013-2017	DST – SERB	2593000	2593000
20.	Granular Computing approach for MRI brain image Segmentation	Dr.N.Senthilkumaran	Computer Science and Applications	2013-2017	UGC – MRP	620500	620500
					Total	23544309	23544309

	Minor Projects (Completed)						
21.	Manufacturing of Textile Reinforced Thermoplastic Composites for High Performance Application	Dr.B.Senthil Kumar	Rural Industries and Management	April 2013 – Sep 2014	UGC - MRP	115000	115000
22.	Report of Statistical Survey for the Concurrent Estimation of Coconut Production in Dindigul and Theni Districts of Tamil Nadu State 2016-2017	Dr.S.Ramaswamy	Economics	Dec 2016 – Feb 2017	CDP	180000	180000
23.	Needs Assessment among the Neglected Communities	Dr.M.P. Boraian	Center for Extension	2016-2017	SRI. K.R. Sugavana m, Chennai	100000	100000
					Total	395000	395000
	Industry sponsored	-	-	-	-	-	
	Projects sponsored by the University/ College	-	-	-	-	-	
	Students Research Projects (other than compulsory by the University)	-	-	-	-	-	
	Any other(Specify)	-	-	-	-	-	

3.7 No. of Books Published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments Receiving Funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For Colleges Autonomy CPE DBT Star Scheme
 INSPIRE CE Any Other (specify)

3.10 Revenue generated through Consultancy

3.11 No. of Conferences Organized by the Institution: 78

Level Number	International	National	State	University	College
	6	11	53	8	NA
Sponsoring Agencies	<ul style="list-style-type: none"> • INFITT • GRI • UGC • DST • CSIR • NITTTR, Chennai 	<ul style="list-style-type: none"> • UGC • DST-SERB • ICSSR • NIRDPR • PLC • SCADA • IGCAR 	<ul style="list-style-type: none"> • UGC • RGNIYD • NHRC • IAS • INSA 	GRI	-

3.12 No. of Faculty Served as Experts, Chairpersons or Resource Persons

3.13 No. of Collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From Funding agency From Management of University/College
 Total

3.16 No. of Patents Received this year: 01

Type of Patent		Number
National	Applied	-
	Granted	01
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of Research Awards/ Recognitions Received by Faculty and Research Fellows of the Institute in the Year

Total	International	National	State	University	Dist	College
65	-	64	1	--	--	--

3.18 No. of faculty from the Institution who are Ph. D. Guides

and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University Level State Level

National level International Level

3.22 No. of students participated in NCC events: Not Applicable

3.23 No. of Awards won in NSS:

University level State level

National level International level

3.24 No. of Awards won in NCC: Not Applicable

3.25 No. of Extension activities organized

University Forum College forum

NCC NSS Any other

3.26 Major Activities during the year in the Sphere of Extension Activities and Institutional Social Responsibility

- 30 Village Placement Programmes (VPP) have been organized during 2017-2018
- 14 Balwadi Centres are maintained by the Institute
- The curriculum of UG & PG programmes offered in the institute has a Course titled, *Extension/Field Visit*, in addition to VPP.
- GRI serves as an/ a Information/ Communication Hub for the villagers for rural development activities
- Inculcation of supplementary and value education to the school children in remote villages.
- Summer camps were organized for school children.
- Awareness/Sensitization Programmes on Lab to Land
- Under Unnat Bharat Abhiyan (UBA) - 7 Panchayats and 73 Villages/ Hamlets including 14 Balwadies Centres were exclusively adopted
- Baseline Survey was conducted under UBA
- Skill-oriented Training to unemployed rural youth
- Entrepreneurial Training for unemployed graduates / school-dropouts/ rural women
- Service to the vulnerable groups (Aged poor, Service to Adivasi, Service to differently-abled).
- Conducted survey of the aged people in foothill villages of Sirumalai
- Identified problems of Paliya Tribals of Sirumalai
- Awareness Programmes on Gender issues and sexual harassment Act were organized

CRITERION – IV

4. INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Details of increase in infrastructure facilities

Facilities	Existing	Newly Created	Source of Fund
Campus Area	207 Acres	-	UGC, DST
Classrooms	90	-	
Laboratories	35	10	
Seminar Halls	26	-	
No. of important equipments purchased (≥ 1 -0 lakh) during the current year.	192	19	
Value of the equipment purchased during the year (Rs. in Lakhs)		68.18	
(To be confirmed with Dev. Section)			
Others		91.56	

4.2 Computerization of administration and library

- Online Staff Portal and Leave Management System
- Online Staff Basic Details Maintenance System (LTC, OD, Family Members etc.)
- Staff and Student ID Card Processing and Admission process has been made on-line
- Examination section and Finance sections have been computerized
- GRI Information Management System (*GRIIMS*) developed and digitization of service registers of GRI employees is being carried out.
- E-Theses and Dissertation in e-Shodh Ganga
- e-Shodh Sindhu online resources access is also extended campus wide.
- Digital library access is available across the campus through intranet
- Self-Check Kiosk and Book Drop Box has been installed in the Library
- Issue of Books and Library Stock Management is computerized
- KOHA Library Automation Software installed
- INFLIBNET - Online Book Database Search and Online Serial Database Search
- Access to Library's OPAC within the campus
- RFID-based Smart Card System is introduced in the Library
- Smart Classrooms for digital learning through SwayamPrabha, DTH, NMEICT, MOOCs, NPTEL, etc.,
- DELNET Online
- E-Auction and Procurement of equipments through GeM portal
- PFMS under EAT Module

4.3 Library Services:

S. No.	Description	Existing		Newly Added		Total	
		No.	Value (Rs.)	No.	Value(Rs.)	No.	Value(Rs.)
1	Text Books	54189.00	11627052.75	746.00	4899288.00	54935.00	16526340.75
2	Reference Books	17759.00	5340111.20	596.00	391431.00	18355.00	5731542.20
3	e-Books	2000.00	0.00	0.00	0.00	2000.00	0.00
4	Journals	2944.00	2755670.00	269.00	425225.00	3213.00	3180895.00
5	E-Journals [^]	34368.00	28000000.00	5728.00	4000000.00	40096.00	32000000.00
6	Digital Database	23.00	42000.00	0.00	0.00	23.00	42000.00
7	DELNET*	0.00	103000.00	0.00	11500.00	0.00	114500.00
8	Indiastat.com**	0.00	472711.00	0.00	63696.00	0.00	536407.00
9	CD& Video	1700.00	500000.00	0.00	0.00	1700.00	500000.00
10	Other Specify (General)	97154.00	22118313.00	1640.00	1076434.00	98794.00	23194747.00
11	Book Total	169352.00	39085476.00	2982.00	1957153.00	172334.00	41042629.00
	Grand Total	379489.00	110044333.95	11961.00	12824727.00	391450.00	122869060.95

* Annual Membership Fee for DELNET;

[^] E-journal provided by e-Shodh Sindhu Consortium for Higher Education, e-resources; and

** Online Database subscribed by Dr. G. Ramachandran Library

4.4 Technology Upgradation (Overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	843	451	(RailTel and BSNL)	99	67	95	131	1) 2 Wi-Fi High range access points added 2) 28 Wi-Fi Low range access points added 3) CCTV Surveillance systems (70 nos. of cameras)
Added	107	77	--	--	--	30	--	--
Total	950	528	--	99	67	125	131	--

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- Intramail connectivity is strengthened
- E-Learning through Spoken Tutorial is promoted in each department (787 Certified)
- Swatch Bharat Summer Internship Programme for 52 Students
- INFLIBNET - Online Book Database Search and Online Serial Database Search
- OPAC can be accessed library within the campus and RFID technology has been implemented using smart card system.
- e-Shodh Sindhu online resources access is also extended campus wide and also off campus.
- Smart Classrooms for digital learning through SwayamPrabha, DTH, NMEICT, MOOCs, NPTEL, etc.,
- SMS/e-Mail Alert service for circulation of books (Issue/Return)
- Online Student Portal with
 - Student Profile Registration
 - Fee Remittance through Cashless transaction,
 - Digital intervention on Student activities
- Service Agreement with NSDL for National Academic Depository
- Library Access through Biometric System
- Mark Statements and Degree Certificate with QR code.
- On-line Students' Feedback on Courses, Teachers and Programmes
- Development of M-Learning Resources
- Computerized services for teaching/non-teaching staff, through
 - Digital Service Register
 - Computerized Payroll & PF System
 - Issue of e-Increment Orders
 - On-line Leave approval
 - ON-Line Monthly PBAS entry System
- Webcasting of GIAN Programmes
- Monthly e-Newsletter

4.6 Amount spent on maintenance in lakhs:

i. ICT	17.58
ii. Campus Infrastructure and facilities	72.49
iii. Equipments	8.88
iv. Others	16.96
Total :	115.91

CRITERION – V

5. STUDENT SUPPORT AND PROGRESSION

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- The students are introduced to the facilities and supporting services at GRI, through a *Two day Induction cum Orientation Programme*.
- The Mentor-Mentee system termed as *Gurukula*, a unique feature of GRI is in place
- The Dean, Students' Welfare frequently conducts Students' Meetings
- Training for Competitive Exams, UGC-NET Coaching, Remedial Coaching are given to the Students
- NASSCOM's Global Business Foundation Skills Training is given to the UG Final Year Students
- Students' Internship and Placement with industries through Placement Bureau, GRI.

5.2 Efforts made by the institution for tracking the Progression

The institution tracks the progression through

1. Alumni Association
2. Student Association
3. Personal Contact
4. Correspondence through Social Media
5. Group e-mails

5.3 (a) Total Number of Students

UG	PG	Ph.D.	Others
1630	1191	563	363

(b) No. of students outside the state

95

(c) No. of international students

04

Men	No.	%	Women	No.	%
	1368	43		1816	57

2016- 2017						2017-18					
General	SC	ST	OBC	Physically Challenged #	Total	General	SC	ST	OBC	Physically Challenged#	Total
1030	617	68	1310	12	3025	771	642	68	1703	33	3184

*Excluding Ph.D. # Physically Challenged students number is distributed in the Community Category

Demand Ratio

1:18

Dropout %

15

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

The Institute has a UGC-funded free coaching centres: CentServ and NET Coaching.
Free Coaching classes are conducted for the students to prepare them for competitive examination viz. Probationary officer, TNPSC-IV and II, Bank Examinations, Lectureship (SET and NET), etc.

No. of students beneficiaries

5.5 No. of students qualified in these examinations

NET	<input style="width: 40px;" type="text" value="13"/>	SET/SLET	<input style="width: 40px;" type="text" value="21"/>	GATE	<input style="width: 40px;" type="text" value="1"/>	CAT	<input style="width: 40px;" type="text" value="-"/>
IAS/IPS etc	<input style="width: 40px;" type="text" value="-"/>	State PSC	<input style="width: 40px;" type="text" value="10"/>	UPSC	<input style="width: 40px;" type="text" value="-"/>	Others	<input style="width: 40px;" type="text" value="12"/>

5.6 Details of student counselling and career guidance

- In the students' time-table, one hour per week is allotted for Weekly Gurukula meetings
- Department Committee meetings provide a platform to analyze the needs and wishes of the students
- Career Guidance Programmes are organized by the Departments as well as by Students' clubs and Placement Bureau.

No. of students benefitted

5.7 Details of Campus Placement

<i>On-Campus</i>			<i>Off-Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
4	81	25	208

5.8 Details of gender sensitization programmes: 3 (for staff and students)

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Scholarship		Fellowship	
	Number of students	Amount (Lakhs)	Number of students	Amount (lakhs)
Financial support from institution	-	-	22	2.64
Financial support from government	2391	190.048	-	-
Financial support from other sources	-	-	-	-
Number of students who received International/ National recognitions	01	-	-	-

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

- Renovation of Boys and Girls hostels.
- Health Centre was renovated and a Doctor and other supporting staff were appointed.
- Pradhan Mantri Jan Aushadhi Yojana Kendra Services are made available in the health centre
- Canteen was renovated.
- Technology enabled services are made available in the Library.
- The New examination hall was Examination Hall constructed is in use.
- Water facilities were improved in the campus.
- Uninterrupted power supply to all the laboratories and hostels of the Institute.
- 8-Line track is laid in the play ground.
- Fee waived for differently abled students.

CRITERION – VI

6. GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 State the Vision and Mission of the institution

Vision

Promotion of a casteless and classless society through instruction, research and extension

Mission

Providing knowledge support to the rural sector to usher in a self-reliant, self-sufficient and self-governed society

6.2 Does the Institution has a management Information System

- Yes

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

- Introduction of Two Semester Coursework for Ph.D. scholars.

6.3.2 Teaching and Learning

- Course Objectives were defined.
- Learning outcomes for each course were prepared
- Specific objectives of learning were clearly spelt out.
- Lecture schedule for each course is prepared.
- Experimental and Experiential learning is emphasized.
- Blended learning in select Departments.

6.3.3 Examination and Evaluation

- Question papers are received from the examiners through e-mail.
- Decentralised evaluation of answer scripts. The End Semester Examination answer scripts of all the UG and PG programmes are sent to the respective departments for internal and external evaluation. The mark statements are sent to the Controller of Examination by Head of the departments.
- The existing internal examination pattern of three CFA pattern is reduced to two CFA pattern that are to be conducted on the 36th and 71th working day(s) from the academic year 2018-19.
- The students can apply for the re-valuation and photocopies will be issued to the students who are applying for the re-valuation.

6.3.4 Research and Development

- Number of Ph.D.s Awarded : 77
- Research Funding received for On-Going Projects : 48 (Rs. 1118.66 Lakhs)
- No. of Project Proposals Submitted : 53 (Rs.2536.83 Lakhs)
- No. of research Projects Sanctioned : 02 (Rs.27.06 Lakhs)
- Support facilities were enhanced through plan and project funding
- Introduced two-semester Course work for Ph.D. Programmes.
- Sustained efforts are taken for quality enhancement of Ph.D. theses.
- Research Quality Circle to ensure quality in research.
- Guidelines for D.Sc. and D.Litt. Programmes were revised.
- Integrated M.Phil.-Ph.D. was introduced.

6.3.5 Library, ICT and Physical Infrastructure / Instrumentation

Library

- INFLIBNET – e-Shodh Sindhu
- Online E-Journal Access: in-campus and off-campus
- Online Public Access Catalogue (OPAC)/Web OPAC Service
- Circulation Service using RFID & Biometric
- DELNET Online
- Automated with KOHA software
- *Today's Update* through institute website
- Indiatat.com Subscription
- Economic Political Weekly Research Foundation (EPWRF) On-line Database
- E-Theses and Dissertations (ETD)
- National Digital Library (NDL)
- Reprographic Service
- Biometric Attendance System for Walk-ins
- CCTV Surveillance Security System
- Braille Books for Differently-abled Students

ICT

- Wi-Fi Facilities
- Internet Services
- Reference Books Service
- Smart Class Rooms
- Students' On-line Admission
- Students' On-line Payment
- Students' On-line Portal
- Staff's On-line Portal
- Upgradation of Computing and Remote Sensing/ GIS Facilities
- Language Laboratories
- Video Conference Hall

Physical Infrastructure/ Instrumentation

- Advanced Image Processing Lab
- Network Security Lab
- Scanning Electron Microscope (SEM)
- Nuclear Magnetic Resonance Spectrometer (NMR)
- X-ray Diffractometer (XRD)
- Advanced Structural Engineering Lab
- On-line Biogas Analyzer
- On-line Produce Gas Analyzer
- Energy Auditing Instrumentation Lab

6.3.6 Human Resource Management

- 17 Faculty members visited foreign universities in *Canada, Chile, Germany, Indonesia, Italy, Japan, Malaysia, Rome, Singapore, South Korea, Sri Lanka, Taiwan, Thailand, USA and UAE* on faculty Exchange, academic and research assignments
- 2 Faculty Development Programme was organized.
- 78 Domain-specific National/ International Level Conferences/Workshops/Seminars/Symposia/Training Programmes were organized.
- Participation of staff in various administrative committees assures participatory governance.
- Faculty members are encouraged to attend FDP/FIP/ etc.,

6.3.7 Faculty and Staff Recruitment

Two

6.3.8 Industry Interaction / Collaboration

Institute/ Organization with which MoU was Signed	Date of MoU Signed	Purpose of MoU	Activities Planned	MoU Outcomes
ESCORTS Tractor Training and Development Centre, Bengaluru	28.06.2018	Skill Training and Partnership towards students development	<ul style="list-style-type: none"> • Short-term Training for B.Voc.(FEOM) students 	-
Institute of Mathematical Sciences, University of Malaya	16.03.2018	Collaborative Research	<ul style="list-style-type: none"> • Students/Faculty members exchange programme • Collaborative research work • Joint research proposal for R&D projects • Publishing papers in ISI indexed journals 	Joint research Publications
IIFPT, Tanjore	November 2017	Course and Research Collaboration	<ul style="list-style-type: none"> • Collaborative research work • Joint research proposal for R&D projects 	--
University of Malaya, Malaysia	22.03.2018	Academic and Research Activities	<ul style="list-style-type: none"> • Joint/Collaborative Research Projects and • Joint Publications • Visit of research students and academic staff of the Department Post graduate, M.Phil. and Doctoral Research Project work and training to be carried out at both UM and GRI • Organizing and participating in joint symposia conferences, workshops and short-term courses conducted by both the institutions; • Exchange of publications, reports, other academic materials and information • Extending access to library and knowledge/Information sharing facilities 	Joint research publications
Petroleum Conservation Research Association	16.05.2017	Energy Conservation	<ul style="list-style-type: none"> • Energy Conservation Programme 	100 Agriculture Energy Conservation Programmes have been carried out
ESCORTS Tractor Training and Development Centre, Chandrapura, Bangalore	28.06.2018	Skill based Training Programme to B.Voc.(FEOM) students	<ul style="list-style-type: none"> • One month training is planned during November 2018 	--
Escorts Training and Development Centre (ETDC), Bengaluru	06.06.2018	Students Training	<ul style="list-style-type: none"> • Internship 	--

6.3.9 Admission of Students

- Admission as per Gol norms
- Special drive for North-East students
- Common counselling for UG admission
- Entrance Examination for PG admission
- Entrance Examination for M.Phil. and Ph.D. admission
- For Ph.D. Admission, Entrance Exam & Interview through on-line
- Admission through on-line.

6.4 Welfare Schemes for

Teaching	<ul style="list-style-type: none"> • Incentive for promoting small family norms. • Immediate relief to the family of the deceased employee while in service • Child care leave • Medical reimbursement • All the welfare schemes of Gol are implemented <i>in toto</i>. • Study Leave for staff members for career progression
Non teaching	
Students	<ul style="list-style-type: none"> • Group Insurance Policy with Insurance coverage for the parents • Earn While You Learn • Scholarships, Freeships and Fellowships as per Gol Guidelines. • Fee waiver for differently-abled students • Fee waiver for SC/ST Students • Battery-operated vehicle for differently abled students

6.5 Total Corpus Fund Generated

6.6 Whether annual financial audit has been done Yes No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	External Experts	Yes	Peer Audit
Administrative	Yes	AG Audit	Yes	Peer Audit

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
For PG Programmes	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- Examination and Evaluation pattern for the Ph.D. Coursework has been prepared by the Examination and Evaluation Procedure Committee and subsequently approved by the Research Advisory Committee and the same was placed in the Academic Council for its approval.
- Centralized examinations for all UG, PG, M.Phil and Ph.D. programmes.
- Decentralized Valuation of End Semester Examination Answer Scripts.
- As per the UGC norms at least 60%, external setting of question papers, all major papers are set by External Examiners and evaluated by Internal Examiners while all Allied and Languages Question Papers are set by Internal Examiners and Answer Scripts are evaluated by External Examiners.
- Provisional Certificates are awarded with photographs of the candidate.
- Ph.D. Degree awarded under Tatkal scheme.
- MoU signed with (NDML); 1700 students have registered under National Academic Depository (NAD)
- Introduced two-semester Course work for Ph.D. Programmes.
- Sustained efforts are taken for quality enhancement of Ph.D. theses.
- Guidelines for D.Sc. and D.Litt. Programmes were revised.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

- Not Applicable

6.11 Activities and Support from the Alumni Association

- The alumni of the Institution help the students by offering advice for placements and projects.
- Alumni help the departments in the conduct of Symposia/student festivals
- Guest lectures are delivered on Current Trends in the industries by the Alumni
- In select departments alumni are involved as special invitees in BoS meetings.
- Alumni members are conducting placement training and offer placement for the graduated students
- Alumni offers opportunity to the present students to utilize their labs and resources

6.12 Activities and Support from the Parent – Teacher Association

- The Institute is in constant touch with the stakeholders including the Parents during the outreach programmes and Village Placement Programmes
- The parents interact with teachers of the Department
 - initially during admission of their wards
 - during parents-teachers meet
- They share the
 - educational antecedents and ambitions of their wards
 - difficulties faced by their ward and/or suggestions of parents during the study period
- A small segment of students hail from nearby rural areas where our faculty frequent for extension programmes. Parents of those students help in the organization of Extension Programmes in the villages and the support they extend to organize VPP camps is worth mentioning.
- Periodical parent – teacher meetings are organized by every department and the proceedings of the meetings are recorded and action is taken based on their suggestions.

6.13 Development programmes for support staff

- Training on online admission 2017-18 to all Department/Centre clerks
- Training on online expenditure proposal forms entry to all Department/Centre clerks
- Training on online ESE mark entry & reports to all Department/Centre clerks.

6.14 Initiatives taken by the institution to make the campus eco-friendly

- Shramdhan
- Hazardous Waste Management
- Popularization Measures
- Rainwater Harvesting
- E-Waste Management
- Augmentation of Green cover through tree plantation
- Check dam and trench construction
- Energy Conservation
- Tapping the potential of renewable energy sources
- Composting
- Eco Club

GRI has bagged Green Award for the Year 2017 for its Environment Protection Initiatives in the Campus from the Government of Tamil Nadu.

CRITERION – VII

7. INNOVATIONS AND BEST PRACTICES

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- Revamped CBCS came into effect.
- Monthly e-newsletter
- New consultancy policy came into force

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- The Institute secured 79th place in NIRF – 2018.
- UGC Expert committee visited our Institute in August, 2017 and the commission considered and approved the 12B Status under the UGC Act 1956 in September, 2017.
- Internal and External Administrative audit and Academic audit
- AQAR (2016-17) was uploaded in the Institute website as well as NAAC website
- Staff profile prepared and printed.
- Workshops have been held by Departments to evolve Ph.D. Coursework
- 78 Conference/ Seminars/ Workshops/ Training Programmes have been conducted on various themes.
- Green Audit undertaken
- Flora and Fauna of GRI compiled.
- New Village Placement Programme guidelines framed.
- MoU signed with NDML as part digital initiative.
- Introduced two-semester Course work for Ph.D. Programmes.
- Guidelines for D.Sc. and D.Litt. Programmes were revised.

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

BEST PRACTICE I

1. Title: “Experiential Learning through Outreach Activities” (ELOA)

The Institute has been practising experiential learning since its inception in 1956. This has created space and opportunities to the students and staff to learn through hands-on-experience using field-based modules like Village Placement Programmes (VPP), internships, summer training programmes, field visits, field surveys and action-oriented research. The VPP, organized in the odd semester for all the programmes of the Institute, is a two-credit course with the aim of integrating field experience with learning.

2. The Concept

Experiential learning is a structured learning experiment that combines community service with course content. Students learn theories and concepts in classrooms which are put into practice in Village Placement Programmes. In the process, they strengthen their knowledge about the community, the particular subject they are studying and take up civic engagements in a committed manner. The underlying principle of experiential learning is the integration of knowledge and skill with experience, which is the key to learning. Learning starts with a problem and it is explored theoretically and practically in real-life situations. In short, experiential learning blends meaningful community service with curricular objectives.

3. Objectives:

The objectives are:

- i. To provide opportunities for students to gain knowledge on the different facets of the rural community by employing participatory learning methods;
- ii. To enable students to relate classroom learning to field realities;
- iii. To develop students’ academic skills in analysis, synthesis and judgment;
- iv. To facilitate the initiation and sustenance of socially relevant programmes and projects that would benefit the rural community; and
- v. To generate awareness among people on development-oriented programmes and projects by sharing development information with them.

4. The Context

An educational institution derives its resources from the society in which it exists and so it has to give back a part of its returns to the society. In other words, there should be a two-way flow of benefits which could be achieved by integrating curriculum with experience.

Secondly, learning in higher educational institutions should not be and cannot be bookish. Students should be constantly motivated “to learn through experience” and “to learn by doing”.

Third, education should result in the students’ wholesome development which includes a strong foundation in the discipline he/she specializes in and the inculcation of values and social responsibilities. This can be achieved only when students are provided opportunities to learn through experience. Keeping the above in view, the course on Village Placement Programme (VPP) has been designed.

5. The Practice

VPP is a mandatory two-credit course for all programmes. All students of this Institute need to stay in a village for a period of seven days. The mode of implementation of the programme:

- i) Each department undertakes entry-point activities like *shramdhan*, home-visits, and meeting local leaders to build a rapport with the community;
- ii) Each department then takes up subject-related activities. For instance
 - The students of the Faculty of Agriculture and Animal Husbandry visit the farms and study farming and animal husbandry practices and issues;
 - The students of the Faculty of Rural Health and Sanitation take up sanitation-related issues such as open defecation, disposal of liquid and solid waste, and adequacy, quality and equity issues in water distribution;
 - The students of Political Science and Public Administration study the functioning of local governance by interacting with the functionaries of the panchayats and the public;
 - The students of Cooperation visit the cooperatives in the villages chosen and undertake a study of the functioning of these cooperatives;
 - The students of Rural Industries and Management explore the feasibility of promoting micro-enterprises;
 - The students of Rural Development and Rural Project Management examine issues in community-based organizations and the range and reach of various rural development schemes and programmes implemented in rural areas; and
 - The students of Home Science take up issues related to hunger and malnutrition; and
- iii) Students get involved in a wide array of activities like undertaking surveys, organizing sports and games, conducting medical and veterinary camps, planting of saplings, interaction with civil society institutions, enacting street plays, organizing cultural programmes, yoga, meditation and other such programmes.

All these activities are taken up by students with the active support from the members of the staff who stay with the students in villages throughout the placement period.

The unique features of this practice are: i) The course is learner-centric; ii) Teachers and students stay and learn together; and iii) Students practise the principle of voluntarism and learn crisis management and other such life-skills. (iv) Villages serve as social laboratories and many research problems stem out of this educational experiment.

6. Evidence of Success

The success of the programme can be seen from its outcome. The major outcomes are: i) the course has developed in students strong analytical and problem-solving skills; ii) It has helped students develop their personality, chiefly through introspection; iii) It has identified and nurtured students' leadership skills; iv) It has promoted greater cultural awareness and tolerance; and v) It has led to improved inter-personal relationships where students have learnt to live in groups.

VPP has benefitted all stakeholders. It has enriched the faculty in two ways: i) It lays a great emphasis on student-centered instruction; and ii) It connects the community with the curriculum whereby the faculty become acutely conscious of current social issues and try to address them meaningfully.

The Institute too has benefitted from VPP: i) VPP has enhanced teaching and outreach activities; ii) It has promoted faculty and student engagement in community issues; iii) It has provided opportunities to extend our knowledge and resources to rural communities; and iv) It has promoted a vibrant relationship with the community.

The community also has benefitted through VPP: i) VPP has helped the community to develop a positive relationship with the Institute; ii) It has ensured access to the Institute's resources; iii) it has created a better awareness of community issues; iv) It has given rural communities opportunities for contributing to the educational system; and v) It has helped the community to arrive at short- and long-term solutions to its pressing needs.

VPP has been reviewed in the meetings of Heads of Departments and in a workshop convened exclusively to evaluate it. The results have clearly indicated that the programme needs to be implemented with added vigour and dynamism.

7. Problems Encountered and Resources Required

The problems encountered include: i) Minimum basic facilities like toilets could not be provided to students during VPP; ii) Departments are unable to follow up the unfinished tasks in villages due to their academic commitments; and iii) The participation of the people is limited, for they are used to a culture of freebies.

Resources required to implement the practice optimally are: i) Enhanced food subsidy to students; ii) A mobile audio-visual unit for on-the-spot documentation; iii) Constitution of small teams consisting of staff and students with required financial back-up to complete unfinished tasks within a stipulated timeframe; and iv) Provision of toilet facilities for students, especially for women.

8. Notes

Experiential learning is a two-way process. The students as well as the community support each other in the process. In effective experiential learning, students learn to translate concepts and theories into action and thus learn to construct their own knowledge. Students' reflection takes place before, during and after VPP and multiple methods that encourage critical thinking are deployed.

In the final analysis, experiential learning has emerged as a viable alternative to bookish learning and GRI students have reaped the benefits of experiential learning. This practice has ample scope for replication in other institutions.

BEST PRACTICE II

1. Title of the Practice: Participatory Assessment of Academic Programmes (PAAP)

2. The Concept

The underlying concepts of PAAP are:

- **Participation of Primary Stakeholders:** Assessment involves both the teachers and the students who are the primary stakeholders;
- **Accountability:** Both the teacher and the students are made accountable in this process;
- **Transparency:** Transactions are carried out with a high degree of transparency; and
- **Concurrent Assessment:** Assessment is done twice a semester with a view to providing avenues for mid-term interventions, wherever possible.

3. Objectives of the Practice:

The objectives are:

- To assess academic performance in terms of completion of the course content, teaching-learning methodology, evaluation of teaching-learning process, and addressing problems faced by teachers and students; and
- To bring about a qualitative change in the teaching-learning process through participatory assessment.

The Context

The Choice Based Credit System (CBCS) was introduced at Gandhigram Rural Institute in 1996 with the prime objective of making higher education learner-centric

with in-built academic flexibility. It underlines the importance of redefining and packaging the curriculum into smaller, measureable entities and also spell out the timeframe needed to teach these units and assimilate them on the part of students. In contrast to the traditional system, students, in CBCS, face many challenges in the selection of appropriate courses and evaluation procedures. They also have to find suitable methods of learning, especially for self-study units. These challenges need to be addressed to enable the students to complete their programmes of study without any problems.

Participatory assessment of teaching at periodic intervals helps in sorting out the difficulties in teaching and learning and in offering feasible solutions.

4. The Practice

At GRI, Participatory Assessment is undertaken through a Departmental Committee consisting of i) Head of the Department; ii) Course teachers; iii) Two student representatives (selected on the basis of their performance)—one for curricular and the other for co-curricular activities; iv) One student representative (nominated by the course teacher on the basis of his/her academic performance in that particular inter-departmental course) for each inter-departmental course outside the department; and v) One senior Professor of the Institute outside the department and nominated as the Chairperson of the Departmental Committee by the Vice-Chancellor.

The committee monitors the progress of courses being offered by the department. It discusses and identifies problems related to curriculum, conduct of classes, students' participation, evaluation process and other related issues.

Students' performance in classes and in the internal texts (CFAs), their feedback on the curriculum and conduct of classes, and their performance are recorded along with the feedback gathered from the faculty. The minutes of the Departmental Committee meetings are submitted to the Vice-Chancellor, who, in turn, convenes a meeting of Heads of Departments and Chairpersons of Departmental Committees to strategize corrective measures to be taken, wherever necessary.

PAAP is practiced at GRI meticulously and has become an integral component of CBCS.

Uniqueness

- PAAP serves as a vital link between teachers and students;
- It provides a platform for discussing academic issues in a participatory mode; and
- It provides teachers and students opportunities to look at teaching and learning critically.

5. Problems Encountered

- i. Occasionally students are hesitant to express their views in the departmental committee meetings freely in spite of a conducive environment; and
- ii. The administration is unable to fulfil certain requirements especially with regard to infrastructure development in the context of teaching-learning due to resource crunch.

6. Evidence of Success

- The Departmental Committee meetings are conducted regularly and meticulously;
- Discussions at these meetings contribute substantially to the revision of the curriculum;
- Slow learners are identified and are given special attention with a view to including them in the mainstream;
- Students' grievances related to academics, infrastructure and other related issues are identified and efforts are taken to address them meaningfully; and
- This system helps in maintaining a good academic ambience in the Institute.

7. Notes

This practice has been in vogue at GRI since the introduction of CBCS in 1996 and the mode of operation has been made known to the students through a manual and circulars. The system has been working well and the administration has taken measures to ensure the sustenance of the system. The lessons learnt through this experience are quite rewarding. This practice has ample scope for replication in other institutions.

7.4 Contribution to environmental awareness / protection

- Importance of Rainwater Harvesting was explained to the villagers
- Save water-wave life campaign was launched during VPP.
- Save fuel campaign was carried out
- Eco-friendly practices were explained to the students

7.5 Whether environmental audit was conducted?

Yes

No

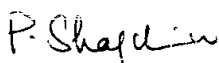
7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

- Compilation of all institutional data undertaken to visited UGC Review Committee our Institute and extend the Deemed University Status for next five years.
- Administrative and Academic audit undertaken.
- SWOC analysis was carried out.
- On-line feedback was carried out
- Scrutinized and evolved the CAS applications for teaching staff
- To frame and demystify the new UGC regulations of 4th amendment dated 11/07/2016 of UGC Regulations for PBAS and CAS format

8. Plans of institution for next year

- *Preparation of Outcome Based Education (OBE) for all the programmes offered at GRI*
- *Preparation of Key Parameter Indicators (KPI) for qualitative and quantitative assessment of faculty members.*
- *Development of automotive PBAS data entry system.*
- *To develop software for automation of PBAS Data entry.*
- *To develop and institutionalise Learning Management System (LMS)*
- *To design intensive strategies for promoting IQAC in every domain of teaching, learning and evaluation.*
- *Development of integrated Management Information System (MIS) for consistent data access.*
- *Establishment of a full-fledged Placement Cell with Placement Officer and Soft Skill Trainers.*

Name: Dr.P.Shanmugavadivu



Signature of the Director, IQAC

Name: Dr. S.Natarajan



Signature of the Chairperson, IQAC