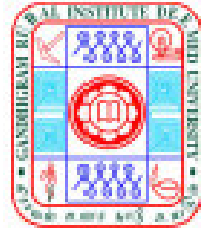


# GANDHIGRAM RURAL INSTITUTE - DEEMED UNIVERSITY

(Re-accredited by NAAC with "A" Grade)

GANDHIGRAM-624 302, DINDIGUL DISTRICT, TAMIL NADU



INTERNAL QUALITY ASSURANCE CELL

ANNUAL QUALITY ASSURANCE REPORT

2010- 11

## Part – A

### I. Details of the Institution

1.1	Name of the Institution	The Gandhigram Rural Institute – Deemed 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 /(0)9442105116
	Name of the Head of the Institution:	Dr.SM. Ramasamy
	Tel. No. with STD Code:	0451-2452305
	Mobile:	9442105116

Name of the IQAC Co-ordinator:

Dr.M.G.Sethuraman

Mobile:

9443021565

IQAC e-mail address:

iqac@ruraluniv.ac.in

1.3 NAAC Track ID

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

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	Five star level	75 and above	2002	2002-2007
2	2 <sup>nd</sup> Cycle	A	3.09	2010	2010-2015

1.7 Date of Establishment of IQAC : DD/MM/YYYY

15/12/2003

1.8 AQAR for the year

2010 - 11

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

i. AQAR 2010-11 submitted on 27/11/2015

1.10 Institutional Status

University State  Central  med  Private

Affiliated College Yes  No

Constituent College Yes  No

Autonomous college of UGC Yes  No

Regulatory Agency approved Institution Yes  No

(eg. AICTE, BCI, MCI, PCI, NCI)

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 (PhysEdu)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)

Faculty of Agriculture

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

Not applicable

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

Autonomy by State/Central Govt. / University

Deemed to be University

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

(specify)

UGC-COP Programmes

Nodal agency for Grassroots Governance by the Ministry of Panchayati Raj and Rural Development

## **2. IQAC Composition and Activities**

2.1 No. of Teachers

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2.6 No. of any other stakeholder and

community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held

**2.11 No. of meetings with various stakeholders:** No.  Faculty   
Non-Teaching Staff  Students  Alumni  Others

2.12 Has IQAC received any funding from UGC during the year? Yes  No

2.13 Seminars and Conferences (only quality related)

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

Total Nos.  International  National  State  In stitution Level

(ii) Themes 

- Academic Performance Indicators.

2.14 Significant Activities and contributions made by IQAC

1. IQAC Newsletter was published.
2. Annual Report for 2009-10 was prepared.
3. Organized a Meeting of the Teaching staff on Academic Performance Indicators (API).
4. Development of format for CAS.
5. Preparation of Institutional project proposal on Rural Information Management System.
6. Sensitization on Research Project proposal writing
7. List of Journals with impact factor
8. Scopus indexed publications list
9. Preparation of report for the review of Deemed University

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
Orientation Programme for students	Sensitisation of students have been done
Orientation Programme for staff	Staff members sensitized on the ethos of the institute
No. of Publications to be increased	280 Articles/Journals, 11 books and 30 chapters have been published
Organization of Seminars/Workshops on various organized to be increased	40 Seminars/Workshops/Symposia have been organized by the departments

\* Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body      Yes       No   
 Management       Any other      

Provide the details of the action taken

Annual report was placed in the 42<sup>nd</sup> meeting of the GRI Society held on 28/03/2012 and was approved.

## Part – B

### Criterion – I

#### I. 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
PhD	23	-	-	-
PG	24	-	4	-
UG	9	-	-	-
PG Diploma	3	-	-	-
Advanced Diploma	-	-	-	-
Diploma	2	-	-	-
Certificate	5	-	-	7
Others (M.Phil. and Post Diploma)	9 (8+1)	-	2	-
<b>Total</b>	75	-	6	7

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

1.2 (i) Flexibility of the Curriculum: CBCSC  Elective  on Open option

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	47
Trimester	Nil
Annual	Nil

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

Mode of feedback :Online Manual  Co-opera  schools (for PEI)

*\*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.

Yes, Two M.Phil. programmes viz. M.Phil. Physics and M.Phil. Energy have been started during 2010-11. Upgradation of syllabus was done for B.Tech. Civil Engineering (Habitat Development)

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

The establishment of Centre for the Study of Social Exclusion and Inclusive Policy in 2010-11 is further widening the horizons of GRI.

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
160	110	27	17	6

2.2 No. of permanent faculty with Ph.D.

118

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
25	4	4	7	1	2	2	-	32	13

2.4 No. of Guest and Visiting faculty and Temporary faculty

-

-

54

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	4	8	2
Presented papers	43	67	37
Resource Persons	4	59	11

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

- Experiential learning
- Assistive technology
- Blended learning with 'e'-content

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

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- The passing minimum was made as 40% for UG 50% for PG and B.Tech. programmes.
- Provision for appeal after two valuations, for End Semester Examinations was withdrawn.
- The question paper setting for P.G. Programmes by external examiners and for U.G. Programmes by course teachers themselves was introduced.
- Provision for repeat CFA and ESE to the outgoing U.G./P.G. final year students who have failed only in one paper was introduced so as to facilitate them to pursue their higher studies.

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
-----	-----	-----

2.10 Average percentage of attendance of students 94%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division			
		I %	II %	III %	Pass %
M.Phil. Tamil	15	93%	-	-	93%
M.Phil. English Communicative Studies	8	50%	13%	-	63%
M.Phil. Chemistry	4	75%	-	-	75%
M.Phil. Research and Development	9	78%	-	-	78%

M.Phil. Economics	4	100%	-	-	100%
M.Phil. Food Science & Nutrition	8	100%	-	-	100%
M.Phil. Micro Level Planning	4	100%	-	-	100%
M.A. Tamil & Indian Literature	18	100%	-	-	100%
M.A. Hindi	2	100%	-	-	100%
M.A. English and Communicative Studies	13	62%	-	-	62%
M.A. Sociology	3	100%	-	-	100%
M.A. Rural Development	2	100%	-	-	100%
M.A. (5 Yr. Integrated) Development Administration	16	88%	-	-	88%
M.A. Human Resource & Conflict Management	4	75%	-	-	75%
M.A. Governance & Development	5	80%	-	-	80%
M.Sc. Mathematics	19	79%	-	-	79%
M.Sc. Physics	34	29%	-	-	29%
M.Sc. Chemistry	30	63%	-	-	63%
M.Sc. Food Science and Nutrition	29	83%	-	-	83%
M.Sc. Botany	15	93%	-	-	93%
M.Sc. Zoology	17	88%	-	-	88%
M.Sc. Micro Biology	18	100%	-	-	100%
M.Sc. Dairy Science	6	83%	-	-	83%
M.Sc. Geoinformatics	28	89%	-	-	89%
M.Sc. Information Technology	34	82%	-	-	82%
M.C.A.	56	89%	-	-	89%
M.B.A. Rural Project Management	15	93%	-	-	93%
M.B.A. Small Business Management	15	73%	-	-	73%
M.B.A. Cooperative Management	13	100%	-	-	100%

M.B.A. Rural Industries and Management	16	81%	-	-	81%
M.Ed.	22	100%	-	-	100%
P.G. Diploma in Sanitary Inspector	36	67%	28%	-	95%
P.G. Diploma in Spatial Technologies	13	46%	-	-	46%
B.A. Gandhian Social Work	12	58%	33%	-	91%
B.Com Cooperation	28	50%	32%	-	82%
B.Ed. Integrated	49	100%	-	-	100%
B.B.A. Rural Industries and Management	42	64%	17%	-	81%
B.Sc. Mathematics	37	84%	-	-	84%
B.Sc. Physics	28	71%	-	-	71%
B.Sc. Chemistry	22	81%	-	-	81%
B.Sc. Food Science and Nutrition.	14	57%	43%	-	100%
B.Tech. Civil Engineering (HD)	23	100%	-	-	100%
Diploma in Agriculture	141	16%	-	-	16%
Post Diploma in Commercial Horticulture	9	89%	-	-	89%

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

- Student Profile Analysis is done by IQAC
- Feedback is obtained from Students through a structured questionnaire on Teachers, Courses and overall rating of the programme.
- The analysis output is sent to the departments for further action
- Departmental Committee meetings/monitors the Teaching & Learning process.

### 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher Courses	13
UGC – Faculty Improvement Programme	-
HRD programmes	4
Orientation programmes	4
Faculty exchange programme	1
Staff Training conducted by the University	3
Staff Training conducted by Other Institutions	13
Summer / Winter Schools, Workshops, etc.	97
Others	49

### 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	117	30	-	36
Technical Staff	66	29	-	6

## Criterion – III

### 3. Research, Consultancy and Extension

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

- Scopus indexed publications of Faculty members collected and distributed to all the departments.
- Proforma of the various funding agencies were collected and given to the staff.
- An institution project on Rural Information Management System was prepared and sent to Government of Tamil Nadu for fundings.

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	17	32	14	14
Outlay in Rs. Lakhs	216.46 lakhs	296.94lakhs	92.49 lakhs	92.49 lakhs

### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	-	-	-
Outlay in Rs. Lakhs	2.70 lakhs	-	-	-

### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	50	206	1
Non-Peer Review Journals	-	5	2
e-Journals	-	-	-
Conference proceedings	28	13	-

### 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.	Nature of the Project	Name of the Project Holder & Department	Duration Year	Name of the funding Agency	Total grant sanctioned	Funds Received during the year under report
<b>Major Research projects</b>						
1.	Process and Status of Empowerment of Women in village panchayats of Tamilnadu and Kerala	Dr. V. Raghupathy Dept. of political Science	2 years	UGC New Delhi	5,95,400.00	---
2.	Critical Mass to Critical Action: A Study of the Process of Empowerment	Dr. G. Palanithurai Dept. of Political science	2 years	ICSSR, New Delhi	3,45,075.00	1,38,000.00
3.	Tracking Financial Resources of Panchayat Raj Institutions in Tamil Nadu, AndhraPredesh and Orissa	Dr. G. Palanithurai Dept. of Political Science	1 year	Ministry of Panchayat Raj GOI., New Delhi	14,01,400.00	---
4.	Social Structure and Issues in Empowerment of Dalits in Tamil	Dr.S.Gurusamy, Dept. of Sociology	2 years	UGC, New Delhi	5,76,200.00	3,55,200.00
5.	Impact of Global economic and financial crisis on Micro, small and medium enterprise in Tamil Nadu	Dr.M.Soundarapandian, Dept. of RIM	2 years	ICSSR, New Delhi	5,19,225.00	---
6.	Tribal women's in forest based industries in Western Ghats in Tamil Nadu	Dr.M.Soundarapandian, Dept. of RIM	2 years	UGC, New Delhi	4,83,200.00	2,87,200.00

7.	A Study on Strategies of Innovative Teaching Methods in Management Studies	Dr.M.Soundarapandian Dept. of RIM	2 years	All India Council for Technical Education New Delhi	2,00,000.00	---
8.	Studies on modeling for stochastic differential equations and their optimal Control using Neural Networks, Genetic Programming and simulink approaches	Dr. P. Balasubramaniam Dept. of Mathematics	3 years	Dept. of Science & Technology, New Delhi	16,12,500.00	7,00,000.00
9.	To Augment the teaching facilities of the M.sc. Programme of the Dept. of Mathematics under FIST programme	Dr. P. Balasubramaniam Dept. of Mathematics	5 years	Dept. of Science & Tech., New Delhi	10,48,000.00	1,01,000.00
10.	Studies on Qualitative Properties of Stochastic partial Differential Equations	Dr. P. Balasubramaniam Dept. of Mathematics	3 years	CSIR, New Delhi	8,01,000.00	4,19,944.00
11.	Preparation Characterization and optimization of super acid fillers based PVDF –HFP/PVE blend Polymer nanocomposite electrolytes by phase inversion technique for lithium ion batteries	Dr.P.Vickraman Associate Professor of Physics	3 years	The Secretary, UGC, New Delhi	10,56,800.00	8,02,600.00
12.	Luminescence and Energy Transfer Studies on Ln <sup>3+</sup> Ions in Oxide Glasses for the Development of Blue, Green Lasers	Dr.K.Marimuthu Dept. of Physics	1 year	DRDO (ER & IPR) New Delhi	4,90,000.00	---
13.	Development of Green Inhibitors for Acid Corrosion of mild steel from Phyto constituents of Apocyanaceae and cetacea	Dr. M.G. Sethuraman Dept. of Chemistry	3 years	UGC New Delhi	5,92,800.00	---
14.	Development of eco-friendly and cost effective Biosorption and photodegradation methods for the Reversal of Textile Effluents	Dr. S. Meenakshi Dept. of Chemistry	3 years	UGC New Delhi	6,66,800.00	4,07,800.00
15.	Feasibility Studies of a Few Developed and Experimental Defluoridation Technologies in Selected Fluorotic Villages of Dindigul District in Tamilnadu	Dr. S. Meenakshi Dept. of Chemistry	3 years	Dept. of Science & Technology, New Delhi	27,51,500.00	2,00,000.00
16.	Synthesis and Characterization of Polymeric Resins and Nano-Composites for the Removal of Heavy metal Ions from Water and Development of Viable Technology	Dr. S. Meenakshi Dept. of Chemistry	3 years	Defence Research & Development Organization (DRDO) New Delhi	14,79,600.00	---
17.	In-vitro Calcium bioavailability Studies for	Dr.P.Anitha Pius Dept. of Chemistry	3 years	UGC, New Delhi	8,53,800.00	5,64,800.00

	preventing fluoride toxicity					
18.	Studies on the Molecular Complexes of Drugs with Biologically significant Acceptors : A tool to unravel the mechanisms of drug - Receptor interactions	Dr. K.P. Elango Dept. of Chemistry	3 years	CSIR, New Delhi	14,85,410.00	3,23,940.00
19.	Rationalization of drug-receptor interaction mechanism through physio-chemical study of tis charge-transfer complexes	Dr.K.P.Elango, Dept. of Chemistry	3 years	UGC, New Delhi	4,67,800.00	---
20.	Optochemical Sensing of Toxic Gases using thin Films of Porphyrin and Phthalocyanine Derivatives on solid Substrates	Dr. S. Abraham John Dept. of Chemistry	3 years	Defence Research & Development Organization (DRDO) New Delhi	14,91,000.00	2,17,100.00
21.	Synthesis of functionalized gold nanoparticles and their self-assembly on electrode substrates for sensing of Biomolecules	Dr. S. Abraham John Dept. of Chemistry	3 years	Dept. of Science & Technology, New Delhi	35,52,000.00	5,50,000.00
22.	Prevention and control of anaemia among adolescent girls (12-15 years) through food supplementation and Education intervention	Dr.K.P. Vasantha Devi Dept. of Home Science	2 years	UGC New Delhi	7,81,200.00	---
23.	Development of a model for educational empowerment of women (35-55years) through literary facilitators - a Rural Experiment	Dr. K.S. Pushpa Dept. of Home Science	3 years	UGC New Delhi	9,41,200.00	---
24.	Transfer of Technology and Research on the production of enriched vermicomposit for preparation of plant growth medium	Dr.ThilagavathyDanial Dept. of Biology	3 years	UGC New Delhi	10,20,300.00	5,98,800.00
25.	Biodegradation of dye effluent using strains of bacteria and fungi isolated from spent mushroom substrate (SMS) and effluent discharged sites	Dr.R.Kumuthakalavalli, Dept. of Biology	3 years	UGC, New Delhi	6,89,800.00	---
26.	CO <sub>2</sub> sequestration from fule gas and ti's mitigation by microalgal growth	Dr.A.DavidRavindran Dept. of Biology	2 years	UGC, New Delhi	2,00,000.00	1,25,000.00
27.	Eco-friendly utilization of electroplating industrial effluent residue for growing certain crop plants	Dr.M.R.Rajan, Dept. of Biology	3 years	UGC, New Delhi	6,67,800.00	---
28.	Automatic skull stripping and 3D- rendering of brain from T1 magnetic resonance images (MRI)	Dr. K. Somasundaram Dept. of Computer Science	3 years	UGC New Delhi	7,80,800.00	5,94,300.00



29.	Development of adaptive noise filters for restoration of digital images corrupted by impulse and Gaussian noise	Dr.P.Shanmugavadivu Dept. of Computer Science	3 years	UGC New Delhi	6,23,300.00	4,24,300.00
30.	Development of an automatic tool for Brain Extraction and Brain tumor deduction from magnetic Resonance Imaging (MRI) Head Scans	Ms. J. Kalaiselvi and Dr. K. Somasundaram	3 years	Department of Science & Tech., New Delhi	10,45,856.00	3,50,000.00
31.	A Study of Financial Inclusion in Rural Area – Gender Perspective	Dr.N. Lalitha Dept. of RD	2 years	ICSSR, New Delhi	2,96,700.00	---
32.	“Participatory Learning and Action for Environmental Education”	Dr.M.A.Sudhir, Dept. of Applied Research	2 years	National Council of Educational Research & Training (NCERT),New Delhi	3,59,100.00	1,24,100.00
<b>Minor Projects</b>						
1.	A study on Application of Science & Technology in Rural Areas (ASTRA)	Dr.M.P.Boraian, Dept. ofExtn. Edn.		Tamil Nadu State Council for Science & Technology Chennai	1,00,000.00	---
	<b>Industry sponsored</b>	-	-	-	-	
	<b>Projects sponsored by the University/ College</b>	-	-	-	-	
	<b>Students research projects (other than compulsory by the University)</b>	-	-	-	-	
	<b>Any other(Specify)</b>	-	-	-	-	
<b>Total</b>					<b>2,99,75,566</b>	<b>69,64,404</b>

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

Level	International	National	State	University	College
Number	2	22	4	7	-
Sponsoring agencies	UGC, SAP, DRS, CSIR, DST and GRI, Gandhigram	UGC; Ford Foundation; Indian Social Institute, Bangalore; CSSS, Mumbai; National Foundation for Communal Harmony, New Delhi; DAE-BRNS; DST, CSIR and GRI, Gandhigram	-	UGC; Action Aid International; Gandhi Memorial Museum, Madurai and GRI, Gandhigram	-

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	296.94 lakhs	Management of University/College	-
Total	296.94 lakhs		

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	-
	Granted	-
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
5	2	-	1	2	-	-

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**

University level  State level   
 National level  International level

3.23 No. of Awards won in NSS:

	University level	<input type="text" value="1"/>	State level	<input type="text" value="Nil"/>
National level	International level	<input type="text" value="Nil"/>		<input type="text" value="Nil"/>

3.24 No. of Awards won in NCC: **Not Applicable**

	University level	<input type="text" value="Nil"/>	State level	<input type="text" value="Nil"/>
National level	International level	<input type="text" value="Nil"/>		<input type="text" value="Nil"/>

3.25 No. of Extension activities organized

University forum	<input type="text" value="16"/>	College forum	<input type="text" value="-"/>		
NCC	<input type="text" value="-"/>	NSS	<input type="text" value="66"/>	Any other	<input type="text" value="149"/>

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Village Placement Programme in 16 Villages, August – September 2010
- Village youth development programme
- Skill development programmes for rural youth
- Women sensitisation programmes
- AIDS awareness programme and meditation programme
- Weekly extensions programme with focus on MDGs
- Awareness Generation programmes
- Career Guidance programmes
- Children’s Mela.
- Maintenance of Balwadi Centre.
- Organization of Women’s Self Help Groups.
- Participation in Gram Sabha Meetings.

## 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 acre	-	UGC
Class rooms	85	-	
Laboratories	31	-	
Seminar Halls	23	-	
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	78	1	
Value of the equipment purchased during the year (Rs. in Lakhs)		6.29	
Others		263.06	

#### 4.2 Computerization of administration and library

- Advertisements made on-line and Newspaper, and applications are received on tapal and on-line
- Entrance examination marks and selection for admission are computer-aided
- Entire administration is computerized
- Salary slips for all employees is computerized
- Circulars issued to all the Departments are computer programmed
- The office of the Controller of Examination is fully automated. Publication of results and issuing of certificate have been made easy using computers.
- The on-line access e-journals and internet browsing facility in the Digital Knowledge Centre with the improved infrastructure made available from 9.00 am to 6.00 pm.
- The online access to the CD collection is made available to the staff, scholars and students in the library premises through INTRANET.
- Question papers online service is made available for the year 2010-2011 through open source software (Greenstone Digital Library). Work on E-Thesis online started.
- The library is providing computerized circulation of books, OPAC search facility, UGC-INFLIBNET Digital Library Consortium service and UGC-INFONET e-resources access.

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value (inRs.)	No.	Value (inRs.)	No.	Value (inRs.)
Text Books	46,600	76,82,986	415	2,74,732	47,015	79,57,718
Reference Books	11,168	18,41,278	851	5,63,366	12,019	24,04,644
e-Books	-	-	-	-	-	-
Journals	1,103	7,26,094	240	1,05,065	1,343	8,31,159
e-Journals	5,728	40,00,000	5,728	40,00,000	11,456	80,00,000
Digital Database	23	42,000	-	-	23	42,000
DELNET *	-	22,500	-	11,500	-	34,000
Indiastat.com*	-	1,32,432	-	44,144	-	1,76,576
CD & Video	1,700	5,00,000	-	-	1,700	5,00,000
Others specify (General)	80,579	1,32,85,137	1,149	7,60,642	81,728	1,40,45,779
Book Total	1,38,347	2,28,09,401	2,415	15,98,740	1,40,762	2,44,08,141
Grand Total		<b>2,82,32,427</b>		<b>57,59,449</b>		<b>3,39,91,876</b>

\* Annual Membership Fee

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart- ments	Others
Existing	612	385	BSNL	60	43	63	61	-
Added	47	12	-	10	-	5	20	1) 1 Wi-Fi High range access points added 2) 6 Wi-Fi Low range access points added
Total	659	397	BSNL	70	43	68	81	1) 1 Wi-Fi High range access points added 2) 6 Wi-Fi Low range access points added

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

Sl.No.	Programme	Beneficiaries	Duration
1.	Training Programme on MS office	Non-Teaching staff of GRI	01-11-2010 to 03-11-2010 (Batch I)
2.	Training Programme on MS office	Non-teaching staff of GRI	11-11-2010 to 18-11-2010 (Batch II)
3.	Training Programme on MS office	Non-teaching staff of GRI	19-11-2010 to 25-11-2010 (Batch III)
4.	Training Programme on E-Content Development	Teaching, Non-Teaching and Public	07-02-2011 to 21-02-2011
5.	Training Programme on MS office	Non-Teaching staff of GRI	07-04-2011 to 15-04-2011 (Batch IV)
6.	Computer Awareness Programme	Poor Rural Children	24-05-2011 to 27-05-2011
7.	“SAKSHAM” – Training Programme on Teacher Empowerment	Teaching staff on GRI	07-06-2011 to 17-06-2011

4.6 Amount spent on maintenance in lakhs :

i) ICT	3.40
ii) Campus Infrastructure and facilities	32.16
iii) Equipments	1.03
iv) Others	13.55
<b>Total :</b>	<b>50.14</b>

## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- In the Orientation Programme, a lecture was given by the Director, IQAC on Student support Services
- Lectures by the Staff concerned were also arranged
- Periodical circulars are sent informing the students on various student support facilities
- Exit questionnaire on various facilities were collected from out-going student and the analysis output was discussed in the HoD's meeting.

#### 5.2 Efforts made by the institution for tracking the progression

1. Through Personal Contact
2. Through Alumini Association
3. Through Student Association
4. Through Social media
5. Through Village Placement Programme

#### 5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
884	1011	474	305

#### (b) No. of students outside the state

84

#### (c) No. of international students

11

Men	No	%	Women	No	%
	1100	50%		1100	50%

Last Year (2009-10)						This Year (2010-11)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
111	605	27	1360	Not mentioned	2103	256	584	35	1315	10	2200

Demand ratio 1 : 3.73

Dropout % 4%



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

- Free Coaching classes were organized to the students.
- The Institute has a CentServ, funded by UGC to train students.
- UGC sponsored NET-Coaching Centre available.
- Special classes have been conducted for advanced learners.

No. of students beneficiaries 120

5.5 No. of students qualified in these examinations

NET 3 SLET 12 GA 4 CAT

IAS/IPS etc  State PSC  UPSC  Others 15

5.6 Details of student counselling and career guidance

- In addition, the Students counselling / Placement and Career Guidance unit, attached to Department of ACE & E serve students of High School and rural Youth, besides GRI students.
- Through Gurukula meetings, the students are guided and proper counselling is made possible through one to one interaction.
- Faculty has constant interaction with the students and provides counselling and guidance regularly, especially at times of critical need.
- Through students activities clubs, career guidance programmes were organized.
- The Department of Gandhian Thought offers counselling services to the students of GRI.

No. of students benefitted All

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
25	185	97	Exact details not available

## 5.8 Details of gender sensitization programmes

Date	Place	Number of Participants	Impacts
12/08/2010	Pudupatti	142 students	Imparting knowledge on gender roles
12/08/2010	Tharumattupatti	110 students	
26/09/2010	Silukkuvarpatti	138 women	
27/09/2010	Kottaipatti	76 students	
28/09/2010	Karisalpatti	235 students	
29/09/2010	Aariyanallor	242 students	
29/09/2010	Kalikkampatti	98 students	
30/09/2010	Thadalkaranpatti	203 students	
10/10/2010	Vallaiyapatti	40 women	
24/12/2010	Gandhigram	250 various Department students	
27/12/2010	Gandhigram	57 students	
28/12/2010	Karisalpatti	76 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	Number of students	Amount
Financial support from institution	4	15,250.00	18	2,09,402.00
Financial support from government	1838	1,11,95,551.00	39	43,66,567.00
Financial support from other sources	-	-	-	-
Number of students who received International/ National recognitions	-	-	-	-

### 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:

1. Provision made for dining Hall cum Reading Hall and toilet facilities at Ladies Hostel.
2. Online access and e-journals and internet browsing facility in the General Library
3. Construction, repair, renovation remodelling of FRH&S building was undertaken.

## Criterion – VI

### 6. Governance, Leadership and Management

#### 6.1 State the Vision and Mission of the institution

<p><b>Vision</b></p> <p>Promotion of a casteless and classless society through instruction, research and extension</p> <hr/> <p><b>Mission</b></p> <p>Providing knowledge support to the rural sector to usher in a self-reliant, self-sufficient and self-governed society</p>
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#### 6.2 Does the Institution has a management Information System

- |   |
|---|
| <ul style="list-style-type: none"> <li>• Steps have been taken to implement of MIS. A committee has been formed and the details are sought from the departments.</li> </ul> |
|---|

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

#### 6.3.1 Curriculum Development

- The feedback on courses collected from students help in the revision of syllabus
- Meeting with employers, peers and examiners provide feedback
- BoS deliberates and chalks out strategies for curriculum development

#### 6.3.2 Teaching and Learning

The feedback is gathered from the students during Departmental Committee meetings convened every semester. The feedback received from the students are analysed by the teachers on the spot. Appropriate corrective measures are taken at the department level in the ensuing semester. The measures which require support and help from the Institute are forwarded to the appropriate authorities for further action. The feedback received from the students largely helped in revisiting and revising the syllabus, improving facilities in classrooms/laboratories and also the library, bringing changes in the teaching and evaluation methodologies. Besides, some of the teachers have also on their own interest got evaluated of their teaching by the students.

#### 6.3.3 Examination and Evaluation

- Continuous Formative Assessment
- Semester Examination System
- Single valuation for UG, Diploma and Post Diploma Programmes
- Double Valuation for PG, PG Diploma and M.Phil Programmes
- Provision for appeal

#### 6.3.4 Research and Development

- Number of Ph.D.s awarded is 59
- No. of Projects Sanctioned is 14
- Total financial outlay Rs. 92.49 lakhs

### 6.3.5 Library, ICT and physical infrastructure / instrumentation

- The online access and e-journals and internet browsing facility in the Digital Knowledge Centre with the improved infrastructure made available from 9.00 am to 6.00 pm.
- The online access to the CD collection is made available to the staff, scholars and students in the library premises through INTRANET.
- Question papers inline service is made available for the year 2010-2011 through open source software (Greenstone Digital Library). E-Thesis online is on progress.
- The library is providing computerized circulation of books, OPAC search facility, UGC-INFLIBNET Digital Library Consortium service and UGC-INFONET e-resources access.

Year 2010-11			
Sl.No.	Particulars	Quantity (Nos.)	Amount (RS.)
1.	Books purchased	7000	13,52,000
2.	CDs	5605	5,605
3.	Journals	263	1,91,471

### 6.3.6 Human Resource Management

During the year under report, GRI has conducted 2 International, 22 National and 4 State level programmes benefiting hundreds of academicians, research scholars, students and other professionals. 14 new projects have been conceived and submitted to the funding agencies. 38 Teaching staff have been recruited. Periodical increments CAS, modified ACP which are due for the employees of the Institute are given. Every effort is taken to tap the Human Resource Potential of the staff and students and channelize them for constructive purposes.

### 6.3.7 Faculty and Staff recruitment

- 38 Teaching staff have been recruited during the year under report.
- The institute followed PBAS system of UGC for recruitment.

### 6.3.8 Industry Interaction / Collaboration

3 Linkages and 14 collaborations have been created during this year

6.3.9 Admission of Students

- |  |
|--|
| <ul style="list-style-type: none"> <li>• Common counselling for UG admission</li> <li>• Admission as per GoI norms</li> <li>• Entrance Examination for Ph.D. admission</li> <li>• Enhancement in the enrolment could be ensured</li> </ul> |
|--|

6.4 Welfare schemes for

Teaching	All the welfare schemes of GoI for Central Government Employees implemented in-toto
Non teaching	- do -
Students	Group Insurance Policy

6.5 Total corpus fund generated

30,97,015/-

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	No		No	
Administrative	No		No	

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

For UG Programmes Yes  No

For PG Programmes Yes  No

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

- The passing minimum was made as 40% for UG 50% for PG and B.Tech. programmes.
- Provision for appeal after two valuations, for End Semester Examinations was withdrawn.
- The question paper setting for P.G. Programmes by external examiners and for U.G. Programmes by course teachers themselves was introduced.
- Provision for repeat CFA and ESE to the outgoing U.G./P.G. final year students who have failed only in one paper was introduced so as to facilitate them to pursue their higher studies.

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

- Alumni Association meeting of the department of Gandhian Thought and Peace Science was conducted on 10<sup>th</sup> July, 2010 and the old students shared their experiences. The staff members appreciated their achievements.
- The 1982-83 batch of Faculty of Agricultural and Animal Husbandry Students met on August 2010 at Faculty Guest House with their family members and exchanged views.
- The 1985 batch of the cooperation department students met on Dec. 2010 at faculty Guest House with their family members and exchanged views.
- The 1975-76 batch of Diploma in Rural Service Student met on Jan. 31<sup>st</sup> 2011 at GRI, Faculty House and exchanged their views and spent the whole day at GRI.
- The Alumni office was inaugurated at June 2010.
- As a tribute to Sri.V.Krishnamoorthy Anna the first Principal of the GRI, a function was arranged with the release of sovereign on him.
- Department of Chemistry - Dr. Manoj and Dr.Priya Alumni and Entrepreneurs gave a lecture in the Resonance 2011-an intercollegiate Programme held during Feb. 2011.

#### 6.12 Activities and support from the Parent – Teacher Association

- Though there is no registered Parent-Teacher Association. Parents meet the Teachers and got to know the progress of the students.
- A small segment of students hail from nearby rural areas where our Faculty regularly visits for extension programmes. Parents of these wards provide the extension team full cooperation and support in organizing village camps, conducting surveys and other activities.

#### 6.13 Development programmes for support staff

- Training in internet browsing was conducted at GRI computer centre in two batches to the non-teaching staff.
- E-circular training was given to the non-teaching staff upto the cadre of assistant from LDC in the GRI Computer Centre. Also arranged a programme on Visual Basic to the non-teaching staff of the institute.

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

- Shramdhan
- Composting
- Energy Conservation
- Harzardous Waste Management
- E-Waste Management



## 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.

- Adoption of Performance Based Appraisal System has created positive impact on the teachers.

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

1. Student's strength was enhanced considerably
2. M.Phil. Physics and M.Phil. Energy have been started
3. The h-index of the Institute is 26
4. 22 National Seminars and 2 International Seminars were organized for the report year

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

#### 1. Departmental Committee

##### i) Objectives

- a) To bring a qualitative change in the academic atmosphere by bringing the teacher and the taught closer to each other
- b) To review the academic performance of the students to effect a mid-course intervention in case of students with learning difficulties.
- c) To plan for the academic and extension activities

##### ii) The context

Due to the paradigm shift in the educational scenario, it is imperative that the problems of the students are understood and addressed effectively. A platform in which students and teachers sitting together and reviewing the progress of the academic activities is the need of the hour.

##### iii) Practice

Against the above background, the concept of department committee is evolved wherein the teachers offering the various courses, and two students representatives from each class form a committee, of which a senior teacher from some other department will be the chairman. The committee is expected to meet twice in a semester with the first one being a diagnostic meeting and the second one being a therapeutic one. The committee will discuss the coverage of syllabus, performance of the students and difficulties faced by the students, besides analysing the need and wishes of the students.

#### **iv) Evidence of success**

The concept of departmental committee has brought to light, the difficulties faced by the students and the facilities required by them. The teachers and students are able to understand each other, which results in the creation of classroom climate.

#### **v) Problems encountered and resources required**

The department meeting genuinely lists out the various infrastructure and support facilities needed for staff and students. But since GRI being fully funded institute, adequate financial resources could not be generated. Immediate needs of the students also could not be addressed if they involve huge financial commitment.

To conclude, the department committee meeting serve as a right forum to create excellent academic ambience in the institute.

## **2. Village Placement Programme**

Gandhigram Rural Institute (GRI), established by a team of Gandhiji's dedicated followers, has striven hard for the realization and translation of Gandhiji's dreams and blueprint for rural development into action by implementing his rural reconstruction programme. The institute derives its spirit and strength through constant interaction with the village community around and beyond. Village Placement Programme (VPP) aimed at extending the knowledge and services to the people in rural areas has been the best practice of GRI.

### **Objectives**

The objectives of the Village Placement Programmes are:

- to provide opportunities to our students to understand the different facets of the rural community by employing participatory learning methods;
- to enable the students to relate classroom learning to field realities;
- to share development information with people; and
- to facilitate the initiation and sustenance of socially relevant programmes and projects that will benefit the rural community.

### **The Context**

Extension is an integral component of the programmes of the GRI. The history of extension is as old as the history of GRI. GRI has incorporated the component of "rural extension" in all its programmes and activities. Extension commands a prime place in the hierarchy of programmes and activities of GRI.

Over the last 45 years, the Institute has experimented with several approaches and methods of extension work. People have always been at the centre stage of all our approaches and methods. Bottom-up participatory approach has been practised right from the inception of the Institute.

## **The Practice**

The Village Placement Programme is mandatory for the students of various programmes offered at the Institute. The duration of the VPP is seven days per academic year. The total number of credits for the VPP is as follows:

Post Graduate Programmes	:	6 credits
Under Graduate Programmes	:	9 credits
Diploma Programmes	:	6 credits
PG Diploma Programmes	:	3 credits

The performance of students in VPP is evaluated on completion of each VPP and marks are awarded. The students are declared to have completed the academic programme only after they undergo the prescribed number of VPPs. On an average, 1000 students and 80 teachers participate in each of the VPP organized.

During the Village Placement Programme, the students

- Establish a good rapport with the people and offer manual labour to create community assets;
- Interact with different sections of the people through participatory methods to understand their problems and prospects from their perspectives;
- Interact with local level institutions and community-based organizations; and
- Discuss with the teachers their understanding of various issues with reference to what they have been taught in the classrooms.

Activities carried out in VPPs include shramdhan (voluntary labor) in the village, organizing special camps, service-oriented demonstration, conducting surveys, arranging visits, dialogue and lectures and organizing sports and cultural programmes. Shramdhan activities range from construction of parapet walls, laying of roads and playgrounds, planting of seedlings, installation of smokeless chulha, construction of soak-pits, cleaning of streets and drainage and so on. Dental camps in flourosis endemic areas, animal health camps and general medical camps are organized. Popularization of science through teaching and experiments, computer awareness, chlorination of drinking water and low-cost supplementary food are the activities taken up for demonstration, Surveys cover themes like status of women, child labour, entrepreneurship, employment and feasibility studies. Interactions between students and NGOs, panchayat leaders and government officials. Debating, trekking, meditation and prayers, street plays, cultural programmes and sports competitions are the other activities.

## **Impact**

- The distance between students and teachers narrows down as a result of staying and learning together in villages.
- Students learn the art of managing crises.
- Students develop the spirit of service and voluntarism.

- Community's knowledge and awareness of different social, economic and political issues improves.
- The relationship between the Institution and villages around pave the way for new action – research programmes with students becoming samajshilpis (Social engineers)

The constant interactions of staff and students has resulted in

- Empowerment panchayat leaders
- Self-reliant panchayats
- Networking of women leaders
- Better interaction between state government and panchayat system
- Development of replicable models of village development plan
- Strengthening of rural livelihood opportunities
- Promotion of microenterprises
- Awareness of various social evils
- Promotion of the use of alternate and indigenous technology
- Promotion of participatory development in various people centered development initiatives.

Thus the Village Placement Programme (VPP), a compulsory component of all the courses, enables the students to imbibe values and social responsibilities and at the same time contributing towards the empowerment of the rural populace.

#### **Problems Encountered and Resources Required**

The major problem faced is the provision of facilities for students and staff to stay in the villages. This problem can be addressed by organizing VPPs in smaller groups in different spells. Human resources have to be pooled to organize these camps and financial resources in this context have to be mobilized, through partial assistance from the institute funds.

*\*Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

#### **7.4 Contribution to environmental awareness / protection**

- |  |
|--|
| <ul style="list-style-type: none"> <li>• Numbers of programmes have been organized in villages on anti-plastic themes.</li> <li>• Programmes were arranged on “Conserve Water Save Life”.</li> <li>• Tree planting was taken up in Villages during Village Placement Programme (VPP).</li> </ul> |
|--|

7.5 Whether environmental audit was conducted?      Yes       No

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

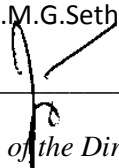
Strength	: Motivated and highly qualified faculty, strong work culture and the right ambience for academic activities.
Weakness	: Infrastructures
Opportunities	: To start more centres in cutting edge areas
Threat	: Mushrooming of self-financing institutions, starting of market-driven disciplines in them.

## **8.Plans of institution for next year**

- To organize National Seminars on the following themes
  1. Indian Poetry in English
  2. Food Security and Sustainable Development
  3. Inclusive Growth in Transitional Society: Issues and Challenges
  4. Renewable Energy Utilization-Indian Perspective
  5. Teacher Education in 21<sup>st</sup> Century: Chances and Choices
  6. Rights of Women and Children of Scheduled Caste in India
- To organize International Seminars / Conferences on the following themes
  1. Biologically Active Molecules
  2. Sustainable Development and Environmental Management
- To have Linkages developed with National/International, Academic/Research bodies viz.
  - ✚ SarvodayaShramdanaSanghamaya, Sri Lanka.
  - ✚ Centre for Gandhian Studies, Bangalore University, Bangalore
  - ✚ Institute of Development Studies, University of Manasagangotri, Mysore
  - ✚ School of Gandhian Thought & Development Studies Mahatma Gandhi University, Kottayam, Kerala
  - ✚ Centre for Gandhian Studies, Pondicherry University, Pondicherry
  - ✚ Department of Gandhian Studies, Punjab University, Chandigarh
  - ✚ University of Florence, Ital
  - ✚ Catholic University of Louvain, Belgium
  - ✚ University of Jaffna, Sri Lanka
  - ✚ Department of Religion & philosophy, Mary Baldwin, USA
  - ✚ The Department of Rural Industries & Management has established linkages with corporate like Neyveli Lignite corporation (NLC) with a view to train the project affected people of NLC,
  - ✚ Ultra Tech Cement Ltd, Trichy,
  - ✚ Petroleum Conservation Research Association
- MoU with UNICEF for the development of a Communication for Development (C4D) curriculum Platform. The objective is to facilitate the conditions for sustained learning and capacity building in communication for Development.

- To revisit the syllabus of selected academic programmes
- To conduct Refresher course and Training Programme
- To submit proposal to funding agencies on the following themes
  1. A Study on Strategies of Innovative Teaching Methods in Management Studies
  2. KSBCDC Evaluation and Impact Assessment of Various Finance Schemes
  3. Training Course on Research Methodology and Computer Application in Social Science
  4. Preparation, Characterization and Optimization of PVDF-HFP based nono composite electrolyte for lithium-ion batteries by phase inversion techniques
  5. Rationalization of drug-receptor interaction mechanism through physic-chemical study of its charge-transfer complexes
  6. Development of Sol-Gel Derived Organosilicate Hybrid Coatings preloaded with Organic Corrosion Inhibitors for Metallic Substrate
  7. Eco-Friendly Utilization of Electroplating Industrial Effluent Residue for Growing Certain Crop Plants
  8. Rainfall Induced Landslide Forewarning System for INGA SLIDE
  9. ICT Initiatives for Rural Women Empowerment in India

Name: Dr.M.G.Sethuraman

  
 \_\_\_\_\_  
 Signature of the Director, IQAC

  
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 Signature of the Chairperson, IQAC

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