

# Self-Assessment Report

## (SAR)

For Accreditation of  
UG Engineering Programme  
Civil Engineering

(TIER – I)

SUBMITTED TO



**Gokaraju Rangaraju Institute of Engineering and Technology**

**Bachupally, Kukatpally, Hyderabad, Andhra Pradesh– 500090**

**Phone: 040-65864440/4441, Fax: 040-66667347**

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## Part A

### I. Institutional Information

#### I.1 Name and address of the Institution and affiliating University

(Instruction: The name, address of the institution, and the name of the university, which has given affiliation to this institution, are to be listed here.)

Institution:

**Gokaraju Rangaraju Institute of Engineering and Technology**

Bachupally, Kukatpally, Hyderabad - 500 090

Telangana

Ph: 040-65864440, 65864441

e-mail: info@griet.ac.in

website: www.griet.ac.in

Affiliated University:

**Jawaharlal Nehru Technological University Hyderabad**

Kukatpally, Hyderabad – 500 085

Telangana

Ph: 040-23158661 to 23158664

website: www.jntuh.ac.in

#### I.2 Name, designation, telephone number, and e-mail address of the contact person for the NBA

(Instruction: The name of the contact person, with other details, has to be listed here.)

**Dr. Jandhyala N Murthy**

Principal

Phone: 040-65864440, 65864441 (O), 040-27675542 (R)

Mobile: 9391184994

e-mail: principal@griet.ac.in

### I.3 History of the institution (including the date of introduction and number of seats of various programmes of study along with the NBA accreditation, if any) in a tabular form

(Instruction: History of the institution and its chronological development along with the past accreditation records need to be listed here.)

Level	Programme	Fulltime/ Part-time/ Sandwich	Year of Starting	Intake Sanctio ned	Year of enhancement	Sanctioned Enhancem ent	Accredita tion Status A/NA/AF	NBA Accredita tion Visits
UG	Electrical and Electronics Engineering (EEE)	Full Time	1997	40	2001, 2007	20 , 60	A	2006, 2009, 2014
UG	Mechanical Engineering (ME)	Full Time	1997	60	2002, 2006, 2013	30 , 30, 60	A	2006, 2009, 2014
UG	Electronics & Communication Engineering (ECE)	Full Time	1997	40	2000, 2001, 2006, 2011, 2013	20, 30, 30, 60, 60	A	2006, 2009, 2014
UG	Computer Science and Engineering (CSE)	Full Time	1997	40	1999, 2000, 2006, 2012, 2013	20, 30, 30, 60, 60	A	2006, 2009, 2014
UG	Information Technology (IT)	Full Time	1999	40	2000, 2006	20, 60	A	2006, 2009, 2014
UG	Civil Engineering (CE)	Full Time	2008	60	2009	60	-	
UG	Biomedical Engineering (BME)	Full Time	2002	30	-	-	-	
UG	Bio-Technology (BT)	Full Time	2002	30	2008, 2012	60, -30	A	2008
PG	M.Tech - Design for Manufacturing (DFM)	Full Time	2004	18	-	-	-	-
PG	M.Tech - Power Electronics (PE)	Full Time	2006	18	-	-	-	-
PG	M.Tech– VLSI	Full Time	2006	18	-	-	-	-
PG	M.Tech – Embedded Systems (ES)	Full Time	2007	18	-	-	-	-
PG	M.Tech – Computer Science Engineering (CSE)	Full Time	2007	18	2013	6	-	-

<b>PG</b>	M.Tech – Software Engineering (SE)	Full Time	2007	18	-	-	-	-
<b>PG</b>	M.Tech-Thermal Engineering	Full Time	2013	18				
<b>PG</b>	M.Tech-Power Systems	Full Time	2014	18				
<b>PG</b>	M.Tech-Structural Engineering	Full Time	2014	18				
<b>PG</b>	Master of Business Administration (MBA)	Full Time	2006	60	2011	60	-	-

## I.4 Ownership status

(Instruction: Ownership status of the institute has to be listed here.)

Society (Govt. / NGO / Private)

## I.5 Mission and Vision of the Institution

(The institution needs to specify its Mission and Vision).

### **Vision:**

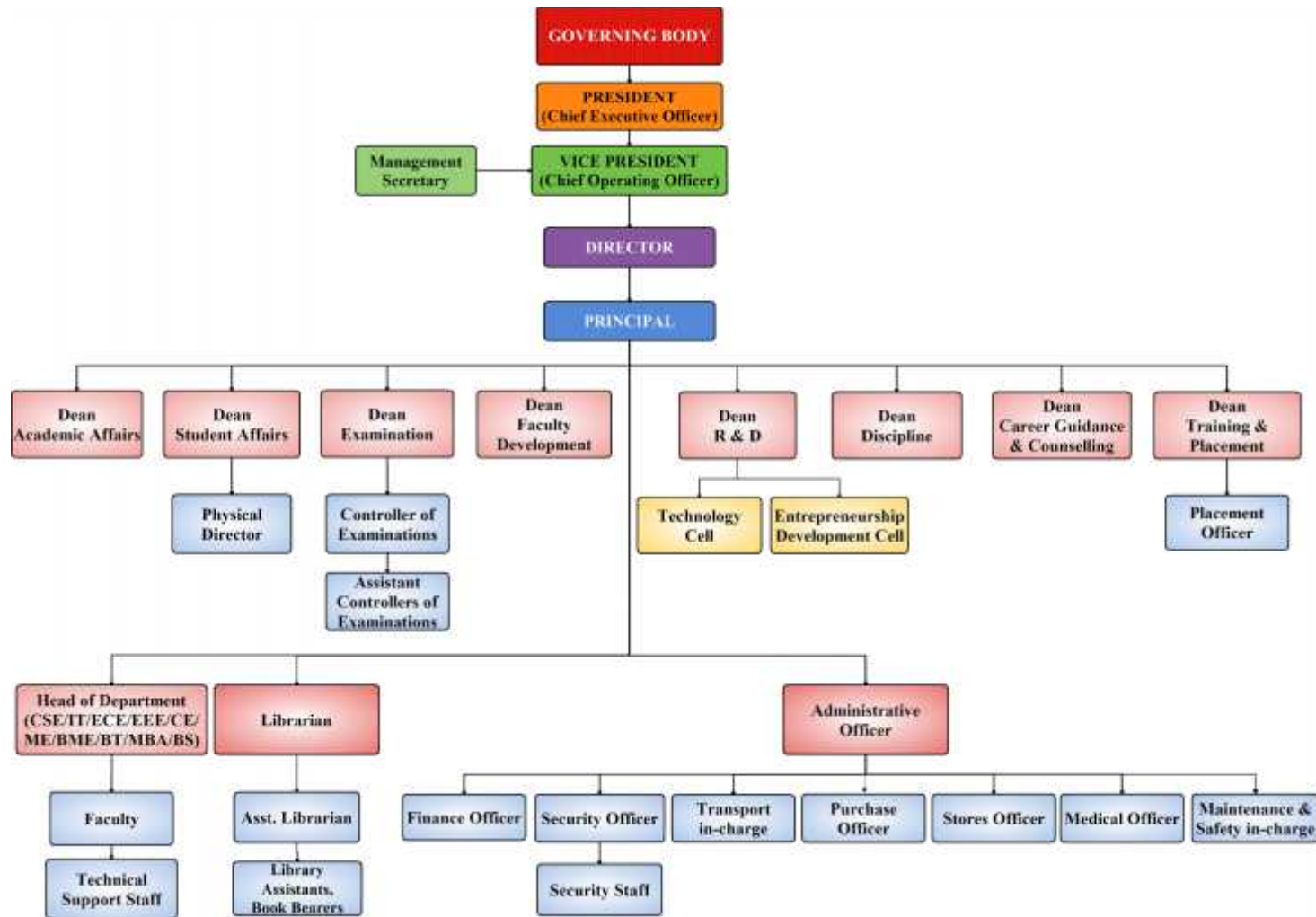
To be among the best of the institutions for engineers and technologists with attitudes, skills and knowledge and to become an epicenter of creative solutions.

### **Mission:**

To achieve and impart quality education with an emphasis on practical skills and social relevance.

### I.6 Organizational Structure

Organizational chart showing the hierarchy of academics and administration is to be included



## I.7 Financial status

(Instruction: Financial status of the institute has to be mentioned here.)

Private Self-Financed

## I.8 Nature of the trust/society:

**Also list other institutions/colleges run by the trust/society**

(Instruction: Way of functioning and activities of the trust/society have to be listed here.)

**Gokaraju Rangaraju Educational Society (GRES)** is a charitable educational society promoting quality education in Andhra Pradesh founded and promoted by **Dr. Gokaraju Gangaraju**, Chairman of Laila Group of Industries, manufacturers of sugar, paper and pharma products.

GRES draws its inspiration from the leadership and vision of late **Sri Gokaraju Rangaraju**, Founder President of S R K R Engineering College, DNR College, Bhimavaram, Chairman of Board of Trustees, Tirumala Tirupati Devasthanams, Member of A.P. Legislative Assembly, a distinguished crusader in the field of education, who focused his efforts on the promotion of quality education.

The main objective of GRES is to promote technological, medical and management educational institutions for the overall benefit of the state in particular, and the country in general.

The society established **Gokaraju Rangaraju Institute of Engineering and Technology** in 1997 and **Gokaraju Rangaraju College of Pharmacy** in 2003. GRIET has the distinction of being one among the Top 10 Ranking and reckoning Institute of choice and preference for the aspiring students. Both these institutions established innovative standards in their respective fields.

### Colleges run by the Society

Name	Year of Establishment	Location
Gokaraju Rangaraju College of Pharmacy	2003	Hyderabad

### I.9 External sources of funds

(Instruction: The different sources of the external funds over the last three financial years are to be listed here.)

Name of the external source	2014-15	2013-14	2012-13	2011-12
Nil	NA	NA	NA	NA

### I.10 Internally acquired funds

(Instruction: The different sources of the internal funds over the last three financial years are to be listed here.)

Name of the internal source	2014-2015	2013-2014	2012-2013	2011-2012
Students Fee	30,55,69,800	26,80,53,960	23,24,42,000	20,10,74,000
Special fee, Transport, library fee, Interest on FDR, Miscellaneous	7,22,23,870	7,18,59,390	5,95,60,000	4,87,73,000

### I.11 Scholarships or any other financial assistance provided to students

(Instruction: If any scholarship or financial assistance is provided to the students then the details of such assistance over the last three financial years has to be listed here. Also mention needs to be made of the basis for the award of such scholarship).

Type of scholarship	2014-2015	2013-2014	2012-2013	2011-2012
State Government Scholarship (Welfare Schemes for SC, ST, BC, EBC, Disabled, Minority)	10,11,00,700	8,91,65,500	7,64,87,300	6,06,38,900
Central Government Scholarships (GATE for PG Studies)	82,56,000	75,84,000	52,80,000	45,12,000
MHRD (BC,SC,ST,EBC,BC-E, Disabled, Welfare)	1,50,000	1,20,000	1,00,000	80,000
South Central Railway Scholarship	-	-	--	2,000
Rank based scholarship by our Institute	3,25,000	1,90,000	3,40,000	--



## I.12 Basis/Criterion for admission to the Institution

(Instruction: The basis/criterion for student intake has to be listed here.)

Admissions are made through the Guidelines given by State Government from time to time. Currently admissions for 70% of the sanctioned intake, commonly known as Category “A” by the Government are made through a State-Level Entrance conducted by Govt. of Telangana. named ‘EAMCET’ and ‘ECET’ for B.Tech studies, ‘PGECET’ and ‘GATE’ for M.Tech studies, ‘ICET’ for MBA and 30% admissions under the Category “B” will be made by the Management, following the procedure laid down through the G.Os issued by the Govt. of Telangana.

## I.13 Total number of students

(Instruction: Total number of engineering students, both boys and girls, has to be listed here. The data may be categorized in a tabular form under graduate or post graduate engineering, or other programme, if applicable.)

	2014-2015	2013-2014	2012-2013	2011-2012
Total no. of boys (UG,PG or other programme if applicable)	2982	2850	2631	2476
Total no. of girls (UG,PG or other programme if applicable)	1625	1514	1379	1337
Total no. of students	4607	4364	4010	3813

### I.14.1 Total number of employees in Regular Staff

(Instruction: Staff strength, both teaching and non-teaching, over the last three academic years has to be listed here.)

Items	2014-2015 Min	2014-2015 Max	2013-2014 Min	2013-2014 Max	2012-2013 Min	2012-2013 Max	2011-2012 Min	2011-2012 Max
Male Teaching staff in engineering	126	130	112	115	125	132	127	138
Female Teaching staff in engineering	140	152	131	133	113	119	91	97
Male Teaching staff in science & humanities	21	23	19	21	20	23	22	22
Female Teaching staff in science & humanities	20	24	20	22	18	18	11	12

Male Non-teaching staff	53	57	52	56	45	49	43	46
Female Non-teaching staff	23	24	22	24	22	24	16	18

#### I.14.2 Total number of employees in Contract Staff

Items	2014- 2015 Min	2014- 2015 Max	2013- 2014 Min	2013- 2014 Max	2012- 2013 Min	2012- 2013 Max	2011- 2012 Min	2011- 2012 Max
Male Teaching staff in engineering	--	--	--	--	--	--	--	--
Female Teaching staff in engineering	--	--	--	--	--	--	--	--
Male Teaching staff in science & humanities	--	--	--	--	--	--	--	--
Female Teaching staff in science & humanities	--	--	--	--	--	--	--	--
Male Non-teaching staff	121	127	112	118	105	112	98	104
Female Non-teaching staff	89	98	80	88	75	82	65	75

## II. Departmental Information

### II.1 Name and address of the Department

#### Department of Civil Engineering

Gokaraju Rangaraju Institute of Engineering and Technology

Bachupally, Kukatpally, Hyderabad - 500 090

Telangana

### II.2 Name, designation, telephone number, and e-mail address of the contact person for the NBA

#### Dr. Md. Hussain

Professor and Head

Department of Civil Engineering

Phone: 040 – 65864440,9963880472

e-mail: [hod\\_civil@griet.ac.in](mailto:hod_civil@griet.ac.in)

### II.3 History of the department including date of introduction and number of seats of various programmes of study along with the NBA accreditation, if any

The Department of Civil Engineering was established, in the year 2008, offers Bachelor of Technology (B.Tech) with intake 60 and later intake was enhanced to 120 in the year 2009. It also offers M.Tech (Structural Engineering) with intake 18 from 2014. Civil Engineering education deals with the application of scientific knowledge for practical purposes involving activities like planning, analysis, design, construction, and management and intends to equip one with profound theoretical knowledge and rich hands on experience.

Level	Programme of Study	Initial started with Number of seats	In Year	Intake increased to	In Year	Accreditation status A/NA	Earlier Accreditation Status	Year of obtaining Accreditation
UG	B.Tech Civil Engineering	60	2008	120	2009	NA	NA	NA
PG	M.Tech Structural Engineering	18	2014	--	--	--	NA	NA

## II.4 Mission and Vision of the Department

(The department is required to specify its Mission and Vision).

### Vision of the Department

To become a pioneering centre in civil engineering.

### Mission of the Department

- To produce well qualified and talented engineers by imparting quality education.
- To enhance the skills of entrepreneurship, innovativeness, management and life-long learning in young engineers.
- To inculcate professional ethics and make socially responsible engineers.

## II.5 List of the programmes/ departments which share human resources and/or the facilities of this programmes/ departments (in %)

(Instruction: The institution needs to mention the different programmes being run in the department which share the human resources and facilities with this department/programme being accredited.)

Department	Level	Programme	Sharing of Human Resources (%)
Electrical and Electronics Engineering	UG	B.Tech	1.5
HSS	UG	B. Tech	3
MBA	UG	B. Tech	3.5
First year	UG	B.Tech	5
Structural Engineering	PG	M.TEch	10

**II.6 Total number of students**

	Level	Programme	2014-2015	2013-2014	2012-2013	2011-2012
Total no. of boys	UG & PG	B.Tech & M.Tech	389	383	391	338
Total no. of girls	UG & PG	B.Tech & M.Tech	148	145	132	115
Total no. of students	UG & PG	B.Tech & M.Tech	537	528	523	453

**II.7 Minimum and maximum number of staff on roll during the current and three previous academic years (1st July to 30th June) in the department**

Items	2014-2015 Min	2014-2015 Max	2013-2014 Min	2013-2014 Max	2012-2013 Min	2012-2013 Max	2011-2012 Min	2011-2012 Max
Teaching staff in the department	30	32	27	28	27	28	22	24
Non-teaching staff	8	9	8	8	7	8	6	7
Total	38	41	35	36	34	36	28	31

**II.8 Summary of budget for the CFY and the actual expenditure incurred in the CFYm1, CFYm2 and CFYm3 (for the Department)**

(Instruction: Please fill details for items like Laboratory equipment, Software, Laboratory consumables, Maintenance and spares, Training and Travel, Miscellaneous expenses for academic activities and Total.)

Items	Budgeted in CFY 2014-2015	Actual expenses (till ...) in CFY 2014-2015	Budgeted in CFYm1 2013-2014	Actual Expenses in CFYm1 2013-2014	Budgeted in CFYm2 2012-2013	Actual Expenses in CFYm2 2012-2013	Budgeted in CFYm3 2011-2012	Actual Expenses in CFYm3 2011-2012
Laboratory Equipment	35,00,000	24,01,000	30,00,000	24,85,000	25,00,000	21,16,000	10,00,000	8,57,000
Software	10,00,000	5,13,000	3,00,000	67,000	2,00,000	1,67,000	2,00,000	1,00,000
R&D	2,50,000	2,25,000	1,00,000	30,000	1,50,000	1,00,000	1,00,000	54,000
Laboratory consumables	3,00,000	1,21,000	3,00,000	90,000	3,00,000	1,30,000	3,00,000	1,54,000
Maintenance and spares	12,00,000	10,95,000	10,00,000	3,73,000	10,00,000	4,77,000	10,00,000	8,24,000
Training and Travel	3,00,000	1,49,000	2,00,000	1,18,000	3,00,000	3,01,000	2,00,000	51,000
Miscellaneous expenses for academic activities	3,00,000	1,97,000	2,00,000	65,000	2,00,000	35,000	2,00,000	86,000
<b>Total</b>	<b>68,50,000</b>	<b>47,01,000</b>	<b>51,00,000</b>	<b>32,28,000</b>	<b>46,50,000</b>	<b>33,26,000</b>	<b>30,00,000</b>	<b>21,26,000</b>

### III. Programme Specific Information

#### III.1 Name of the Programme

(List name of the programme, as it appears on the graduate's certificate and transcript, and abbreviation used for the programme.)

Bachelor of Technology (B.Tech)

Civil Engineering

#### III.2 Title of the Degree

(List name of the degree title, as it appears on the graduate's certificate and transcript, and abbreviation used for the degree.)

Bachelor of Technology

Civil Engineering

#### III.3 Name, designation, telephone number, and e-mail address of the Programme coordinator for the NBA

Dr. G.V.K.S.V Prasad

Professor

Department of Civil Engineering

Phone: 040 – 65864440, 9849017741

E-mail: gvksv.prasad@griet.ac.in,

#### III.4 History of the programme along with the NBA accreditation, if any

Programme of study	Started with No Of Seats	In Year	Intake increased to	In Year	Accreditation Status (A/NA)
B.Tech	60	2008	120	2009	NA

#### III.5 Deficiencies, weaknesses/concerns from previous accreditations

NA

#### III. 6 Total no of Students in the programme.

	Level	Programme	2014-2015	2013-2014	2012-2013	2011-2012
Total no. of boys	UG	B.Tech	381	383	391	338
Total no. of girls	UG	B.Tech	139	145	132	115
Total no. of students	UG	B.Tech	520	528	523	453

### III.7 Minimum and maximum number of staff for the current and three previous academic years (1st July to 30th June) in the programme

Items	2014-2015 Min	2014-2015 Max	2013-2014 Min	2013-2014 Max	2012-2013 Min	2012-2013 Max	2011-2012 Min	2011-2012 Max
Teaching staff with the program	27	29	27	28	27	28	22	24
Non-teaching staff	8	9	8	8	7	8	6	7

### III.8 Summary of budget for the CFY and the actual expenditure incurred in the CFYm1, CFYm2 and CFYm3 (exclusively for this programme in the department)

(Instruction: Please fill details for items like Laboratory equipment, Software, Laboratory consumables, Maintenance and spares, Training and Travel, Miscellaneous expenses for academic activities and Total.)

Items	Budgeted in CFY 2014-2015	Actual expenses (till ...) in CFY 2014-2015	Budgeted in CFYm1 2013-2014	Actual Expenses in CFYm1 2013-2014	Budgeted in CFYm2 2012-2013	Actual Expenses in CFYm2 2012-2013	Budgeted in CFYm3 2011-2012	Actual Expenses in CFYm3 2011-2012
Laboratory Equipment	33,00,000	22,80,000	30,00,000	24,85,000	25,00,000	21,16,000	10,00,000	8,57,000
Software	9,00,000	4,88,000	3,00,000	67,000	2,00,000	1,67,000	2,00,000	1,00,000
R&D	2,00,000	2,13,000	1,00,000	30,000	1,50,000	1,00,000	1,00,000	54,000
Laboratory Equipment	2,00,000	1,09,000	3,00,000	90,000	3,00,000	1,30,000	3,00,000	1,54,000
Maintenance and spares	11,00,000	10,41,000	10,00,000	3,73,000	10,00,000	4,77,000	10,00,000	8,24,000
Training and Travel	2,00,000	1,34,000	2,00,000	1,18,000	3,00,000	3,01,000	2,00,000	51,000
Miscellaneous expenses for academic activities	2,00,000	1,77,000	2,00,000	65,000	2,00,000	35,000	2,00,000	86,000
Total	61,00,000	44,42,000	51,00,000	32,28,000	46,50,000	33,26,000	30,00,000	21,26,000