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.)

Name and Address of the 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

Name and Address of the Affiliating University:
Jawaharlal Nehru Technological University Hyderabad (JNTUH)

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.)

Name: Dr Jandhyala N Murthy

Designation: Principal

Mobile No: +91-9391184994 , +91-9652313434

Email id: principal@griet.ac.in
Ph: 040-65864440, 65864441

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/ PartTime/ Sandwich	Year of Starting	Intake Sanctioned	Year of enhancement	Sanctioned enhancement	Accreditation Status A/NA/AF	NBA Accreditation Visits
UG	Electrical and Electronics Engineering (EEE)	FullTime	1997	40	2001,2007	20,60	A	Granted Provisional Accreditation for two years for the period 2014-16
UG	Mechanical Engineering (ME)	FullTime	1997	60	2002, 2006, 2013,2015	30 , 30, 60,-60	A	Granted Provisional Accreditation for two years

							for the period 2014-16
UG	Electronics & Communication Engineering (ECE)	FullTime	1997	40	2000, 2001, 2006, 2011, 2013,2015	20, 30, 30, 60, 60,60	A	Granted Provisional Accreditation for two years for the period 2014-16
UG	Computer Science and Engineering (CSE)	FullTime	1997	40	1999, 2000, 2006, 2012, 2013,2015	20, 30, 30, 60, 60,120	A	Granted Provisional Accreditation for two years for the period 2014-16
UG	Information Technology (IT)	FullTime	1999	40	2000, 2006,2015,2016	20, 60,-60,60	A	Granted Provisional Accreditation for two years for the period 2014-16
UG	Civil Engineering (CE)	FullTime	2008	60	2009	60	AF	NBA experts visited during May15,16,17 waiting for results
UG	Bio Medical Engineering	FullTime	2002	30	2015	-30	NA	
UG	Bio Technology	FullTime	2002	30	2008,2012,2015	60,-30,-60	NA	
PG	M.Tech-Design for Manufacturing(DFM)	FullTime	2004	18			AF	NBA experts visited during May15,16,17 waiting for results
PG	M.Tech-Power Electronics(PE)	FullTime	2006	18			AF	NBA experts visited during May15,16,17 waiting for results
PG	M.Tech-VLSI	FullTime	2006	18			NA	
PG	M.Tech-Embedded Systems(ES)	FullTime	2007	18			NA	
PG	M.Tech-Computer Science Engineering(CSE)	FullTime	2007	18	2013	6	NA	
PG	M.Tech-Software Engineering(SE)	FullTime	2007	18			NA	
PG	M.Tech - Thermal Engineering(TE)	FullTime	2013	18			NA	
PG	M.Tech-Power Systems(PS)	FullTime	2014	18			AF	NBA experts visited during May15,16,17 waiting for results
PG	M.Tech-Structural Engineering(St E)	FullTime	2014	18			NA	
PG	MBA	FullTime	2006	60	2011,2015	60,-60	NA	

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 of the Institution: **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 of the Institution: **To achieve and impart quality education with an emphasis on practical skills and social**

relevance.

I.6   Organisational Structure

Organisational chart showing the hierarchy of academics and administration is to be included
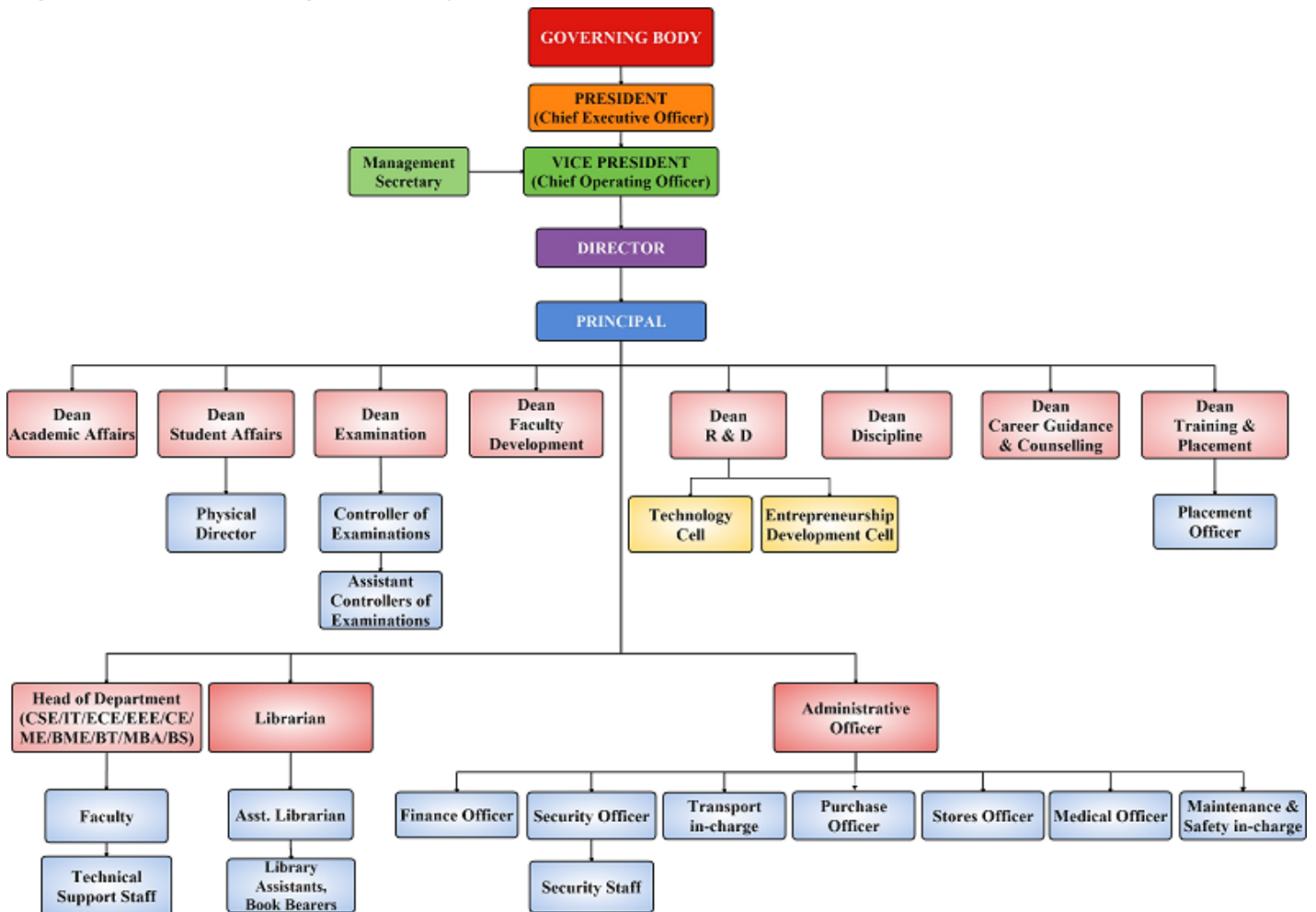
I.7   Financial status

(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*.*

Name	Year of Establishment	Location
Gokaraju Rangaraju College of Pharmacy	1997	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	2015-2016	2014-2015	2013-2014	2012-2013
	0	0	0	0

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	2015-2016	2014-2015	2013-2014	2012-2013
Students Fee	34,87,36,000	30,55,69,800	26,80,53,960	23,24,42,000
Special fee, Transport, library fee, Interest on FDR, Miscellaneous	5,76,27,000	7,22,23,870	7,18,59,390	5,95,60,000

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	2015-2016	2014-2015	2013-2014	2012-2013
State Government Scholarship (Welfare Schemes for SC, ST, BC, EBC, Disabled, Minority)	11,30,33,500	10,11,00,700	8,91,65,500	7,64,87,300
Central Government Scholarships (GATE for PG Studies)	52,48,000	82,56,500	75,84,000	52,80,000
MHRD (BC,SC,ST,EBC,BC-E, Disabled, Welfare)	2,10,000	1,50,000	1,20,000	1,00,000
Rank based scholarship by our Institute	1,95,000	3,25,000	1,90,000	3,40,000
PM Scholarship	1,20,000			

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 categorised in a tabular form under graduate or post graduate engineering, or other programme, if applicable.)

	2015-2016	2014-2015	2013-2014	2012-2013
Total no. of boys(UG,PG or other programme if applicable)	3379	2982	2850	2631
Total no. of girls(UG,PG or other programme if applicable)	1585	1625	1514	1379
Total no. of students	4964	4607	4364	4010

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	2015-2016 Min	2015-2016 Max	2014-2015 Min	2014-2015 Max	2013-2014 Min	2013-2014 Max	2012-2013 Min	2012-2013 Max
Male Teaching staff in engineering	135	151	126	130	112	115	125	132
Female Teaching staff in engineering	154	167	140	152	131	133	113	119
Male Teaching staff in science & humanities	22	28	21	23	19	21	20	23
Female Teaching staff in science & humanities	24	32	20	24	20	22	18	18
Male Non-teaching staff	57	73	53	57	52	56	45	49
Female Non-teaching staff	24	25	23	24	22	24	22	24

I.14.2   Total number of employees in Contract Staff

Items	2015-2016 Min	2015-2016 Max	2014-2015 Min	2014-2015 Max	2013-2014 Min	2013-2014 Max	2012-2013 Min	2012-2013 Max
Male Teaching staff in engineering	0	0	0	0	0	0	0	0
Female Teaching staff in engineering	0	0	0	0	0	0	0	0
Male Teaching staff in science & humanities	0	0	0	0	0	0	0	0
Female Teaching staff in science & humanities	0	0	0	0	0	0	0	0
Male Non-teaching staff	128	137	121	127	112	118	105	112
Female Non-teaching staff	115	118	89	98	80	88	75	82

II. Departmental Information

II.1   Name and address of the department
Department of Computer Science and 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. Jandhyala N Murthy

Principal

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

Mobile: +91-9391184994, +91-9652313434

e-mail: principal@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 Computer Science and Engineering was established in the year 1997 offering Bachelor of Technology (B.Tech) with intake 40, and later intake was increased to 60 in year 1999,90 in year 2000,120 in year 2006 ,180 in year

2012, 240 in year 2014 and 360 in year 2015. The UG programme offered in this department was thrice accredited by NBA in years 2006 ,2009,2013. The Department of Computer Science and Engineering is full of rigorous practical analysis. It intends to equip graduates with profound theoretical knowledge and rich hands on experience.

Level	Programme of Study	Initial Intake 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 Computer Science and Engineering	40	1997	60, 90, 120, 180,240 and 360	1999, 2000, 2006, 2012,2014 and 2015	Accredited Thrice	A	2006, 2009,2012
PG	M.Tech Computer Science and Engineering	18	2007	24	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 be a center of global excellence and to emerge as a valuable resource for industry and society.

Mission of the Department

 The Computer Science and Engineering is committed to

1.   To produce qualified and competent computer professionals with international standards.

2.   To foster innovative and application oriented research capabilities of young minds for the progress of society.

3.   To inculcate strong ethical values and professional behavior so as to adapt to the emerging changes in the field of computing technology.

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 (%)
Mechanical Engineering	UG	B.Tech	2.6
Civil Engineering	UG	B.Tech	2.6
Electrical and Electronics Engineering	UG	B.Tech	2.6

II.6   Total number of students

	Level	Programme	2015-2016	2014-2015	2013-2014	2012-2013
Total no. of boys	UG	B.Tech	485	371	290	256
Total no. of girls	UG	B.Tech	265	251	211	157
Total no. of students	UG	B.Tech	750	622	501	413

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	2015-2016 Min	2015-2016 Max	2014-2015 Min	2014-2015 Max	2013-2014 Min	2013-2014 Max	2012-2013 Min	2012-2013 Max
Teaching staff in the department	78	78	60	60	35	35	28	28
Non-teaching staff	11	11	9	9	9	9	7	7

| Total | 89 | 89 | 69 | 69 | 44 | 44 | 35 | 35 |

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 2015-2016	Actual expenses (till …) in CFY 2015-2016	Budgeted in CFYm1 2014-2015	Actual Expenses in CFYm1 2014-2015	Budgeted in CFYm2 2013-2014	Actual Expenses in CFYm2 2013-2014	Budgeted in CFYm3 2012-2013	Actual Expenses in CFYm3 2012-2013
Laboratory Equipment	4500000	1165000	4500000	2707000	3300000	1427000	10000000	5802000
Software	800000	618000	700000	1026000	400000	149000	1000000	590000
R&D	490000	40000	490000	430000	300000	25000	600000	20000
Laboratory consumables	600000	688000	450000	242000	300000	110000	150000	147000
Maintenance and spares	4200000	2598000	3700000	3978000	2000000	1205000	200000	164000
Training and Travel	1100000	968000	650000	251000	400000	188000	5000	10000
Miscellaneous expenses for academic activities	1000000	1815000	900000	1013000	900000	683000	100000	53000
Total	12690000	7892000	11350000	9647000	7600000	3787000	12100000	6786000

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.)

Under graduate

Bachelor of Technology(B.Tech)

Computer Science and 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

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

Dr. P.V.S.Srinivas

Professor & Dean of Student Affairs

Department of Computer Science and Engineering

Phone: (040) 65864440, 65864441

Mobile No: +919866861613

E-mail: pvs.srinivas@griet.ac.in, info@griet.ac.in

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

Programme of	Started with No Of	In			Accreditation Status

study	Seats	Year	Intake increased to	In Year	(A/NA)
UG	40	1997	60,90,120,180,240 and 360	1999, 2000, 2006, 2012,2014 and 2015	A
PG	18	2007	24	2014	NA

III.5   Deficiencies, weaknesses/concerns from previous accreditations

Criterion I:

Only limited evidences are available in support of the attainment of PEOs.

Action Taken:

By using Bloom's taxonomy, For each course, seven Course Outcomes have been identified and all these Course Outcomes are carefully mapped with the Program Outcomes. Also we used direct Assessment tools like Mid exams and assignments, External exams and Attendance as well certain indirect Assessment tools like collecting Survey reports from various stakeholders like Almuni,Employers and parents for the attainment of PEOs.

Criterion II:

Proper Assessment tools need to be identified for assessing the attainment of POs.

Action Taken:

More pictorial and graphical tools/programs are used for assessing the attainment of POs.

Criterion V:

A Faculty competency in correlation to PSC is not properly justified.

Action Taken:

Faculty competency is now improved as per PSC by including more qualified faculty and new software are procured as per the requirements.

Criterion VI:

The technical staff members are not having required Qualifications.Skill upgradation of technical staff members needs to be encouraged.

Action Taken:

More technical staff are included with required qualifications. Technical training is provided to enhance their skills.

Criterion VII:

No mechanism for self learning is observed.

Action Taken:

Self learning mechanism is improved among faculty by participating in distance learning programs provided by premier institutes like IITB,IIT-KH , open course wares and MOOCs.

Criterion VIII:

Not adequate utilisations of allocated funds.Library facilities need to be improved.Not adequate internet Bandwidth.New Facilities created not adequate.Enhancement of faculty Qualification index is not adequate

Action Taken:

a. Now proper action plan is made for proper utilization of funds.

b. Library facilities are improved by subscribing to more journals.

c. Internet band width is enhanced as per the requirement.

d. More software are procured and adequate facilities are created.

e. Now more qualified faculty are inducted in to the department.

III.6   Total number of students in the programme

	Level	Programme	2015-2016	2014-2015	2013-2014	2012-2013
Total no. of boys:	UG	B.Tech	485	371	290	256
Total no. of girls:	UG	B.Tech	265	251	211	157
Total no. of students:	UG	B.Tech	750	622	501	413

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	2015-2016 Min	2015-2016 Max	2014-2015 Min	2014-2015 Max	2013-2014 Min	2013-2014 Max	2012-2013 Min	2012-2013 Max
Teaching staff with the program	78	78	60	60	35	35	28	28
Non-teaching staff	11	11	9	9	9	9	7	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,Travel,Miscellaneous expenses for academic activities and Total.)

Items	Budgeted in CFY 2015-2016	Actual expenses (till …) in CFY 2015-2016	Budgeted in CFYm1 2014-2015	Actual Expenses in CFYm1 2014-2015	Budgeted in CFYm2 2013-2014	Actual Expenses in CFYm2 2013-2014	Budgeted in CFYm3 2012-2013	Actual Expenses in CFYm3 2012-2013
Laboratory Equipment	4000000	1084000	4000000	2035000	3000000	1217000	10000000	5802000
Software	700000	575000	600000	955000	300000	127000	1000000	590000
R&D	490000	40000	490000	430000	300000	25000	600000	20000
Laboratory consumables	500000	640000	400000	226000	270000	94000	150000	147000
Maintenance and spares	4000000	2417000	3400000	3700000	1700000	1025000	200000	164000
Training and Travel	1000000	901000	600000	234000	350000	160000	5000	10000
Miscellaneous expenses for academic activities	900000	1688000	800000	943000	700000	581000	100000	53000
Total	11590000	7345000	10290000	8523000	6620000	3229000	12100000	6786000