NATIONAL BOARD OF ACCREDITATION

Pro-forma for Pre-Qualifiers TIER-I UG(Engineering) Institute Programs

PARTA- Profile of the Institute

Name of the Program applied for: UG (Electrical & Electronics Engineering)

A1. Name of the Institute: - Siddhartha Academy of Higher Education (Deemed to be University)

   Year of Establishment: - 1977

   Location of the Institute: - Vasanth Nagar, Kanuru

A2. Institute Address: -

   City: - Vijayawada

   Pin code: - 520007

   E-mail: - registrar@siddhartha.edu.in   Phone No (with STD Code: - 0866-2582333

A3. Head of the Institution: -

   Name: - Dr.P.Venkateswara Rao   Designation:- Vice Chancellor

   Status of Appointment: - Permanent

A4. Contact details of Head of the Institution:-

   Mobile No:- 9059053289   Telephone No:- 0866-2582334

   E-mail:- vc@siddhartha.edu.in

A5. Name of the Affiliating University: -

   Name of the University: -   City: -

   State: -   Pin Code: -

A6. Type of the Institution:

Institute of National Importance	☐	Deemed to be University:	✓
University	☐	Autonomous:	☐
Non-Autonomous(Affiliated)	☐	Any other (Please Specify):	☐

   *Provide Details:-----

A7. Ownership status: (Tick the app

Central Government ☐   State Government ☐

Government Aided ☐   Any Other (Please specify) ☐

Self financing ☑

Provide Details:

Program Name: Electrical & Electronics Engineering

Discipline: Engineering & Technology

Level: Under Graduate

Tier: 1

A8.   Details of all Programs being Offered by the Institution: -

- ❖ No. of UG programs: 09
- ❖ No. of PG programs: 15

TableNo.A8.1: List of all programs offered by the Institute.

S.N0.	Level of program (UG/PG)	Name of theprogram	Year of Start	Year of close*	Name ofthe Department
1	UG	B.Tech Civil Engineering	1977	----	Civil Engineering
2	UG	B.Tech Computer Science and Engineering	1985	----	Computer Science and Engineering
3	UG	B.Tech Artificial Intelligence (AI) and Data Science	2021	----	Computer Science and Engineering
4	UG	B.Tech Computer Science and Engineering (Artificial Intelligence and Machine Learning)	2022	----	Computer Science and Engineering
5	UG	B.Tech Electronics and Communication Engineering	1977	----	Electronics and Communication Engineering
6	UG	B.Tech Electrical & Electronics Engineering	1977	----	Electrical & Electronics Engineering
7	UG	B.Tech Electronics & Instrumentation Engineering	2006	----	Electronics & Instrumentation Engineering
8	UG	B.Tech Information Technology	2000	----	Information Technology
9	UG	B.Tech Mechanical Engineering	1977	----	Mechanical Engineering
1	PG	M.Tech (Structural Engineering)	1998		Civil Engineering
2	PG	M.Tech (Geo-Technical Engineering)	2016	2023	Civil Engineering
3	PG	M.Tech (Computer Science Engineering)	2007	2024	Computer Science and Engineering
4	PG	M.Tech(Communication & Signal Processing)	2007	2022	Electronics and Communication Engineering
5	PG	M.Tech (VLSI Design and Embedded Systems)	2012		Electronics and Communication Engineering

6	PG	M.Tech Power Systems Engineering	2007	2023	Electrical & Electronics Engineering
7	PG	M.Tech(Data Science)	2019	2024	Information Technology
8	PG	M.Tech (Artificial Intelligence & Data Science)	2024		Information Technology
9	PG	M.Tech (Cyber Security)	2024		Computer Science and Engineering
10	PG	M.Tech(CAD/CAM)	2007	2022	Mechanical Engineering
11	PG	M.Tech(Thermal Engineering)	2010	2022	Mechanical Engineering
12	PG	M.Tech (Automated Manufacturing Systems)	2022		Mechanical Engineering
13	PG	Signal processing & Communication Engineering	2025		Electronics and Communication Engineering
14	PG	Master of Computer Application	2004	----	Computer Application
15	PG	Master of Business Administration	2007	----	Management

Note*:
  ❖ During assessment period, if any program is closed /merged, please mention in the above said table (Table No. A8.1).

A9. **Programs to be Considered for Accreditation vide this Application:**

Table No. A9.1: List of programs to be for considered for accreditation.

S.No.	Name of the Department	Name of the Program
1.	ELECTRICAL & ELECTRONICS ENGINEERING	B.Tech (ELECTRICAL & ELECTRONICS ENGINEERING)

TableNo.A9.2: Allied Department(s) to the Department of the program considered for Accreditation as above.

S.No.	Name of the Department (in table no. A9.1)	Name of allied Departments/ Cluster (for table no. A9.1)
1.	--	--

Note:
Keep a list of all allied departments / cluster programs with respect to Table No.A9.1
See the Allied Departments / Cluster programs in formation in Annexure-III (SAR).

PARTB – Program information

(To be filled separately for all the programs applied for)

B1. **Provide Separate Information for the Program Applied for: -**

Table No.B1: Program details.

S.N.	Program Name	Year of start	Sanctioned Intake	Increase/ decrease in intake, if any	Year of increase/ decrease	AICTE/ Competent Authority Approval Details	Accreditation Status*	No. of times program accredited
1.	Electrical & Electronics Engineering	1977	18	Yes, Current Intake: 120	2007	F.No: 730-50 229(E)/ET/97 Date: 30-07-2007 and F.No: 11-132-2010-NBA 15 12-2022	Granted accreditation for 3 years for the period 2022-2025	05

*Write applicable one:

- ❖ Applying first time
- ❖ Granted accreditation for 2/3 years for the period (specify period)
- ❖ Granted accreditation for 5/6years for the period (specify period)
- ❖ Not accredited (specify visit dates, year).
- ❖ Withdrawn (specify visit dates, year)
- ❖ Not eligible for accreditation.

B2. **Information of Faculty**

(Please provide details of the faculty in the Department and allied Departments and cumulative information for all three academic years starting from the current academic year (CAY) in the above format)

S.No.	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor / Associate Professor if any	Nature of Association	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is	Experience in years in current institute
1	Dr. P.V.R.L.NARASIMHAM	AJDPP5332Q	684833052552	PhD	OSMANIA University	Electric Drives	30-11-2012	Professor	Professor	30-11-2012	Regular		Yes		12.9
2	Dr. A. RAMA DEVI	AEWPA0261K	723357771000	PhD	JNTUH	Power Systems	02-08-1997	Lecturer	Professor	13-01-2012	Regular		Yes		28.1
3	Smt. S.V.R. LAKSHMI KUMARI	AQRPS0298R	618762796397	M.E/M.Tech	KAKATIYA University	Power Systems	04-07-2002	Lecturer	Associate Professor	01-01-2011	Regular		Yes		23.2
4	Dr. G. SRINIVASA RAO	BCQPS6063N	836853958413	PhD	JNTUH	Power Systems	15-03-2011	Associate Professor	Associate Professor	15-03-2011	Regular		Yes		14.5
5	Dr. B.VENKATESWARA RAO	AJKPB7602A	882934903042	PhD	JNTUH	Power Systems	14-06-2016	Associate Professor	Associate Professor	14-06-2016	Regular		Yes		9.2
6	Dr. J. RAMESH	AMQPR6791M	402490954931	PhD	JNTUK	Power Systems	01-11-2017	Associate Professor	Associate Professor	01-11-2017	Regular		Yes		7.10
7	Dr. N. VAMSIKRISHNA	AHWPN1382K	345716158796	PhD	AU	Control Systems	23-01-2009	Lecturer	Assistant Professor (SG)	01-09-2025	Regular		Yes		16.7
8	Dr. SUBHOJIT DAWN	BEDPD1351K	233609097193	PhD	NIT, SILCHAR	Power & Energy Systems	06-03-2020	Assistant Professor	Associate Professor	01-09-2025	Regular		Yes		5.5
9	Mr P. VENKATESH	BAKPP0900K	943639061231	M.E/M.Tech	ANU	Power Systems	11-09-2008	Lecturer	Assistant Professor		Regular		Yes		16.11
10	Dr. S. N. V. S. K. CHAITANYA	BYRPS4814A	915762875103	PhD	ANNAMALAI UNIVERSITY	Power Systems	19-06-2009	Lecturer	Assistant Professor		Regular		Yes		16.2
11	Mr T. SUNEEL	ALCPT4518K	268517051841	M.E/M.Tech	JNTUK	Power Electronics and Electric Drives	25-06-2009	Lecturer	Assistant Professor		Regular		Yes		16.2
12	Dr M. L. N. VITAL	ARHPM5904B	660564149187	Ph.D	VIT, Vellore and NIT Raipur	Power Electronics & Drives	15-06-2010 And 11-12-2025	Lecturer	Assistant Professor		Regular		Yes		15.2
13	Mr R MADHU SUDHANA RAO	APRPR4806F	502837654811	M.E/M.Tech	ANU	Power Electronics & Power Systems	02-06-2012	Assistant Professor	Assistant Professor		Regular		Yes		13.3
14	Mr V HARI VAMSI	ALYPV2630A	582925785868	M.E/M.Tech	AU	Control Systems	02-08-2012	Assistant Professor	Assistant Professor		Regular		Yes		13.1
15	Dr. A. VEERA REDDY	AOPPA3122G	759256196021	PhD	PONDICHERRY	Power Electronics & Drives	16-05-2015	Assistant Professor	Sr Assistant Professor	01-09-2025	Regular		Yes		10.3
16	Mr V. RAVINDRANADH CHOWDARY	AUVPV0165G	693031446560	M.E/M.Tech	NITK, Surathkal	Power & Energy Systems	01-07-2021	Assistant Professor	Assistant Professor		Regular		Yes		4.2
17	Dr. K. DHANANJAY	APIPR4934D	803391154451	PhD	NIT Raipur	Control	11-08-2021	Assistant	Assistant	01-09-2025	Regular		Yes		4.0

	Name	PAN		Qualification	University	Specialization	Date of Joining	Designation (on joining)	Designation (current)		Nature		Currently Associated	Remarks	Exp
	RAO					Systems and Electric Vehicles		Professor	Professor (SG)						
18	Dr. J. VIMALA KUMARI	ASFPJ4172K	521126565571	PhD	VIT University, Vellore	Control Systems.	25-08-2021	Assistant Professor	Assistant Professor		Regular		Yes	Study Leave	4.0
19	Smt. B.SWARUPA RANI	BPMPB6089L	647326190171	M.E/M.Tech	JNTUK	Power Systems and High voltage Engineering	30-08-2022	Assistant Professor	Assistant Professor		Regular		Yes		3.0
20	Smt.K.LALITHA	BFZPK6692D	983639992253	M.E/M.Tech	JNTUK	Power Electronics& Electric Drives	24-11-2022	Assistant Professor	Assistant Professor		Regular		Yes		2.9
21	Dr.D.INDIRA	ABCPI5588C	755215984796	PhD	Anna University	Power Electronics &Industrial Drives	08-12-2022	Assistant Professor	Sr Assistant Professor	01-09-2025	Regular		Yes		2.8
22	Smt.V.BINDU	ASPPB5971L	275313736421	M.E/M.Tech	JNTUK	Power Electronics Engg	21-12-2022	Assistant Professor	Assistant Professor		Regular		Yes		2.8
23	Dr.T.NAVEEN KUMAR	AMGPT2366L	672001284077	PhD	NIT Jamshedpur	Power System Engineering	09-01-2023	Assistant Professor	Assistant Professor		Regular		Yes		2.7
24	Mrs A. Sireesha	CGOPA7017F	NA	M.E/M.Tech	JNTU Kakinada	Power Electronics and Drives	16-08-2022	Assistant Professor	Assistant Professor		Regular		No	30/04/2025	2.8
25	Ms D Vimala	CIHPD0849P	NA	M.E/M.Tech	JNTU Kakinada	Power Systems Engineering	20-08-2022	Assistant Professor	Assistant Professor		Regular		No	30/04/2025	2.8
26	Dr Rajesh Panda	BJJPP1845F	NA	PhD	NIT Silchar	Power System Engineering	26-12-2022	Assistant Professor	Assistant Professor		Regular		No	08-09-2023	0.8
27	Ms G Mythily	GZYPM1235E	NA	M.E/M.Tech	JNTU Kakinada	Power Systems Engineering	25-08-2021	Assistant Professor	Assistant Professor		Regular		No	30-04-2024	2.8
28	Dr. S. Manmadha Rao	DUPPS8167G	851094646292	PhD	Visvesvaraya National Institute of Technology, Nagpur	Power Systems	02-07-2025	Assistant Professor	Assistant Professor		Regular		Yes		0.7
29	Dr P Aswini	DJQPP9084R	386109917300	PhD	SRM University, A.P	Power Electronics	30-08-2025	Assistant Professor	Assistant Professor		Regular		Yes		0.6

Please provide details of the **faculty** in the **Department and allied Departments**, including **cumulative** information for **all three academic years starting** from the current academic year (**CAY**) in the specified format. Programs such as MCA, BCA, Diploma (Engineering) and other non- engineering programs running in the Department and allied Departments need to have sufficient faculty members to support those programs. Note that these faculty members should not be included in the aforementioned Table No. B2.A.

B2.1. Faculty Cadre in the Department and Allied Departments

Name of the Department   : Electrical & Electronics Engineering

No. of Allied Departments   : --

No. of UG (Engineering) programs in the Department and allied Departments:1 No. of

PG (Engineering) programs in the Department and allied Departments: --

TableNo.B2.1.1: Faculty Cadre in the Department and Allied Departments

S.N.	Designation	Number of Faculty in the Department (for both UG and PG programs)			
		CAY (2025-26)		CAYm1 (2024-25)	
		Regular	Contract/ Ad hoc	Regular	Contract/ Ad hoc
1.	No. of Professors with Ph.D. Degree*	02	--	02	--
2.	No. of Associate Professors with Ph.D. Degree*	04	--	03	--
3.	No. of Assistant Professors	19	--	20	--
4.	Total no. of faculty members with Ph.D. degree(as per the AICTE norms)	15		12	

*Qualifications and experience as per AICTE norms.

B2.2. Detail of Head of the Department for the program under consideration:

  A. **Name of the HoD   : Dr.P.V.R.L. NARASIMHAM**

  B. **Nature of appointment:(Tick the applicable choice)**

  ❖ **Regular**   √

  ❖ **Contract**

  ❖ **Ad hoc**

  C. **Qualification:(Tick the applicable choice)**

  ❖ **Ph.D.**   √

  ❖ **ME/M.Tech**

  ❖ **Any other***

  *Please provide details:_____

B3.   Student Faculty Ratio:

(SFR to be calculated at Department level considering all UG and PG engineering programs in the Department; include allied department programs/clusters as well)

- ❖ No. of UG(Engineering) programs in Department including allied departments/ clusters (UG_n):
  - ➢ $UG_1=1^{st}$ UG program
  - ➢ $UG_n=n^{th}$ UG program
    - ▪ **B=**No. of Students in UG2^{nd}year(**ST**)
    - ▪ **C=**No. of Students in UG3^{rd}year(**ST**)
    - ▪ **D=**No. of Students in UG4^{th}year(**ST**)
- ❖ No. of PG (Engineering) programs in Department including allied departments/ clusters (PG_m):
  - ➢ $PG_1=1^{st}$PG program.
  - ➢ $PG_m=m^{th}$PG program
    - ▪ **A=** No. of Students in PG 1^{st}year
    - ▪ **B=**No. of Students in PG 2nd year
- ❖ Student Faculty Ratio (**SFR**)=S/F
  - ➢ **S**= No. of students of all programs in the Department including all students of allied departments/clusters.
    - ▪ **No. of students (ST)=**Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)
    - ▪ Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are **exempted**.
  - ➢ **F**=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

Note:

All the faculty whether regular or contractual (except part-time or hourly based), will be considered. All regular faculty members shall meet the AICTE qualifications and experience requirements. The contractual faculty appointed with any terminology whatsoever, who have taught for 2 consecutive semesters with or without break between the 2 semesters in corresponding academic year on full-time basis shall be considered for the purpose of calculation in the faculty student ratio. However, following will be ensured in case of contractual faculty:

1. Shall have the AICTE prescribed qualifications and experience.
2. Shall be appointed on full time basis and worked for consecutive two semesters with or without break between the 2 semesters during the particular academic year under consideration.
3. Should have gone through an appropriate process of selection and the records of the same shall be made available to the visiting team during NBA visit.
A. Faculty members in the Department who do not have teaching, or practical loads, will not be counted.
B. Director /Principal/ Dean/ other academic/ administrative posts, who has teaching/ practical load in the Department will be counted.
C. Visiting faculty/adjunct faculty, who are working on hourly based faculty will not be counted.

TableNo.B3.1: Student-faculty ratio.

Year	CAY 2025-26	CAYm1 2024-25	CAYm2 2023-24
UG$_1$.B	132	130	131
UG$_1$.C	130	131	132
UG$_1$.D	131	132	131
UG$_1$	393	393	394
DS=Total no .of students in all UG and PG programs in the Department	393	393	394
AS=Total no. of students of all UG and PG programs in allied departments	0	0	0
S=Total no. of students in the Department (DS) and allied departments(AS)	S1= 393	S2= 393	S3=394
DF=Total no. of faculty members in the Department	25	25	26
AF= Total no. of faculty members in the allied Departments	--	--	--
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	25	25	26
FF=The faculty members in F who have a 100% teaching load in the first-year courses	02	02	04
TF=Total faculty = F-FF	TF1=23	TF2=23	TF3=22
Student Faculty Ratio(SFR)= S/(TF)	SFR1=393/23 = 17.09	SFR2=393/23= 17.09	SFR3= 394/22= 17.91
Average SFR for 3 years	**Average SFR = (17.09 +17.09 +17.91) /3=17.36**		

Note: Programs such as MCA, BCA, Diploma (Engineering) and other non-engineering programs running in the Department or allied Departments need to have sufficient faculty members to support those programs. These faculty members and students should not be included in Table No.B3.1.

The Professor of Practice (PoP), Associate Professor of Practice (PoP), and Assistant Professor of Practice (PoP) (Full-time basis) will be considered as per the qualifications and experience prescribed by the AICTE for the NBA evaluation process for accreditation of Engineering programs. e.g. for calculation of SFR, Faculty Qualification, Faculty Cadre Proportion, Faculty Retention Ratio and Faculty members participation in STTPs/ FDPs. The maximum number of faculty members engaged as Professor of Practice (PoP) with the required faculty strength (Cadre Ratio) as per AICTE norm will be 20% where in 5% (ratio 3:1) is exclusively reserved for Women Professor of Practice (PoP), Associate/Assistant Professor of Practice(PoP) (Full-time basis)

Compliance Status to Pre-Visit Qualifiers

S.No.	Pre-Visit Qualifiers	Current Status	Compliance Status Complied/ Not Complied
1	Whether approval of the competent authority (Approval of AICTE/ UGC/ BoG of Universities/ Deemed Universities etc.) for the program under consideration has been obtained for the previous five years, starting from the current academic year	YES	Complied
2	Whether the Student Faculty Ratio (SFR) in the Department and allied Departments is less than or equal to 25:1, averaged over three academic years: Current Academic Year (CAY), Current Academic Year Minus One (CAYm1), and Current Academic Year Minus Two (CAYm2)	Yes	Complied
3	**Case1:** If the Department/School is not running multiple UG (Engineering) programs and does not have allied departments, which are running undergraduate engineering programs, then the program under consideration needs either 2 Professors or 1 Professor and 1 Associate Professor on a regular basis with Ph.D. degree in the current academic year(CAY) and the previous academic year (CAYm1). **Case2:** If the Department/ School, including allied departments, is running multiple UG (Engineering) programs, the program under consideration needs either 2 Professors or 1 Professor and 1 Associate Professor on a regular basis with Ph.D. degree in CAY and CAYm1. Additionally, the remaining UG (Engineering) programs (N^*) need "N" Professors or "N" Associate Professors in the Department /School/ Allied departments on a regular basis with Ph.D. degree in CAY and CAYm1 in total.	YES	Complied
4	Whether the number of faculty having Ph.D degree available in the Department & allied Departments is greater than or equal to 20% of the required number of faculty averaged over two academic years i.e. Current Academic Year(CAY) and Current Academic Year Minus One (CAYm1)	YES	Complied
5	Whether two batches have passed out in the program under consideration	YES	Complied
6	Whether the HOD of the department in which the program under consideration is running is appointed on regular basis and possesses PhD degree in the Current Academic Year (CAY).	YES	Complied

Note*:Exclude the number of Professors/Associate Professors for the UG programs (Engineering) that have been running for less than 3 years (CAY, CAYm1).