

GCG  
2022-23.

## Internal Quality Assurance Cell (IQAC)

**BAPATLA ENGINEERING COLLEGE (A):: BAPATLA – 522102.**

### INTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT

(AAA for the Departments)

**Period to consider for Auditing Process: 1<sup>st</sup> July, 2022 - 30<sup>th</sup> June, 2023 (CAY: 2022-23)**

**Note: (i) Direct Fill for Numerical Values (ii) Annexure with Q.No. For other metrics  
(iii) Use NAAC templates for any kind of relevant data**

**DEPARTMENT: ELECTRONICS AND COMMUNICATION ENGINEERING**

#### AUDIT DATA

S.No	Particulars	Remarks by the Auditor																																																																																											
<b>I. Students Information</b>																																																																																													
1	a) Programs Offered  <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">S.No</th> <th style="width: 40%;">Name of the Program</th> <th style="width: 20%;">Sanctioned Intake</th> <th style="width: 30%;">Admitted</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td>B.Tech.-ECE</td> <td style="text-align: center;">180</td> <td style="text-align: center;">193</td> </tr> <tr> <td style="text-align: center;">2.</td> <td>M.Tech.-CESP</td> <td style="text-align: center;">06</td> <td style="text-align: center;">0</td> </tr> </tbody> </table>	S.No	Name of the Program	Sanctioned Intake	Admitted	1.	B.Tech.-ECE	180	193	2.	M.Tech.-CESP	06	0	Verified																																																																															
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2	Details of Students for the Current Academic Year  a) No of Students Year Wise  <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Year</th> <th style="width: 35%;">UG</th> <th style="width: 35%;">PG</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">I</td> <td style="text-align: center;">193</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="text-align: center;">II</td> <td style="text-align: center;">179</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">III</td> <td style="text-align: center;">193</td> <td style="text-align: center;">-</td> </tr> <tr> <td style="text-align: center;">IV</td> <td style="text-align: center;">171</td> <td style="text-align: center;">-</td> </tr> </tbody> </table> b) Category Wise Admissions  <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 5%;">Year</th> <th colspan="2" style="width: 15%;">SC</th> <th colspan="2" style="width: 15%;">ST</th> <th colspan="2" style="width: 15%;">OBC</th> <th colspan="2" style="width: 15%;">EWS</th> <th colspan="2" style="width: 15%;">GEN</th> </tr> <tr> <th style="width: 5%;">Boys</th> <th style="width: 5%;">Girls</th> <th style="width: 5%;">Boys</th> <th style="width: 5%;">Girls</th> <th style="width: 5%;">Boys</th> <th style="width: 5%;">Girls</th> <th style="width: 5%;">Boys</th> <th style="width: 5%;">Girls</th> <th style="width: 5%;">Boys</th> <th style="width: 5%;">Girls</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">I</td> <td style="text-align: center;">21</td> <td style="text-align: center;">7</td> <td style="text-align: center;">6</td> <td style="text-align: center;">1</td> <td style="text-align: center;">65</td> <td style="text-align: center;">29</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">45</td> <td style="text-align: center;">19</td> </tr> <tr> <td style="text-align: center;">II</td> <td style="text-align: center;">21</td> <td style="text-align: center;">11</td> <td style="text-align: center;">4</td> <td style="text-align: center;">2</td> <td style="text-align: center;">62</td> <td style="text-align: center;">26</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">35</td> <td style="text-align: center;">18</td> </tr> <tr> <td style="text-align: center;">III</td> <td style="text-align: center;">12</td> <td style="text-align: center;">17</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">60</td> <td style="text-align: center;">33</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">40</td> <td style="text-align: center;">29</td> </tr> <tr> <td style="text-align: center;">IV</td> <td style="text-align: center;">18</td> <td style="text-align: center;">11</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> <td style="text-align: center;">42</td> <td style="text-align: center;">39</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">30</td> <td style="text-align: center;">27</td> </tr> <tr> <td style="text-align: center;">PG II</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">1</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> </tbody> </table> Best Rank <span style="margin-left: 100px;">EAPCET : 18807</span> <span style="margin-left: 100px;">ECET: 267</span> <span style="margin-left: 100px;">PGCET: -</span>	Year	UG	PG	I	193	0	II	179	1	III	193	-	IV	171	-	Year	SC		ST		OBC		EWS		GEN		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	I	21	7	6	1	65	29	-	-	45	19	II	21	11	4	2	62	26	-	-	35	18	III	12	17	1	1	60	33	-	-	40	29	IV	18	11	2	2	42	39	-	-	30	27	PG II	-	-	-	-	-	1	-	-	-	-	Verified as per APSCHE file.
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PG II	-	-	-	-	-	1	-	-	-	-																																																																																			

	Lowest Rank Average MPC Score ( 1 Year ): 71.2 %	EAPCET : 152317	ECET: 4598	PGCET: -	<i>Draw write hle.</i>																																																						
3	<b>Results</b>  a) No of Graduates in UG and in PG for the academic Year  <table border="1"> <thead> <tr> <th colspan="3">UG</th> <th colspan="3">PG</th> </tr> <tr> <th>No of Students in that batch (including Laterals)</th> <th>No of students graduated</th> <th>Pass percentage</th> <th>No of Students in that batch</th> <th>No of outgoing students</th> <th>Pass percentage</th> </tr> </thead> <tbody> <tr> <td>173</td> <td>152</td> <td>87.86</td> <td>1</td> <td>1</td> <td>100</td> </tr> </tbody> </table> b) Results for the academic Year  <table border="1"> <thead> <tr> <th>Semester</th> <th>No of Students appeared the Exam</th> <th>No of Students Passed</th> <th>Pass Percentage</th> </tr> </thead> <tbody> <tr> <td>I</td> <td>160</td> <td>108</td> <td>67.3</td> </tr> <tr> <td>II</td> <td>182</td> <td>119</td> <td>65.4</td> </tr> <tr> <td>III</td> <td>178</td> <td>106</td> <td>59.5</td> </tr> <tr> <td>IV</td> <td>170</td> <td>106</td> <td>62.35</td> </tr> <tr> <td>V</td> <td>193</td> <td>167</td> <td>86.5</td> </tr> <tr> <td>VI</td> <td>193</td> <td>141</td> <td>73.05</td> </tr> <tr> <td>VII</td> <td>173</td> <td>164</td> <td>94.79</td> </tr> <tr> <td>VIII</td> <td>173</td> <td>152</td> <td>87.8</td> </tr> </tbody> </table>				UG			PG			No of Students in that batch (including Laterals)	No of students graduated	Pass percentage	No of Students in that batch	No of outgoing students	Pass percentage	173	152	87.86	1	1	100	Semester	No of Students appeared the Exam	No of Students Passed	Pass Percentage	I	160	108	67.3	II	182	119	65.4	III	178	106	59.5	IV	170	106	62.35	V	193	167	86.5	VI	193	141	73.05	VII	173	164	94.79	VIII	173	152	87.8	
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4	<b>Mentoring/ Counseling Process</b> <ul style="list-style-type: none"> <li>List of Mentors and Mentees Refer Annexure 1.1</li> <li>Proofs of Mentor and Mentee interactions and evidence of Success Refer Annexure 2.1 &amp; 2.2</li> </ul>				<i>File 39 verified.</i>																																																						
5	<b>Details of Student Projects and their outcomes i) UG ii)PG</b> a) List of Project Titles along with Student and Guide Details Refer Annexure 3.1 b) List of Best / Innovative Projects / Model based projects Refer Annexure 3.2 c) Projects Turned into paper Publications: 03  <table border="1"> <thead> <tr> <th>Conference/ Journal</th> <th>Title of the Project</th> <th>Title of the Article</th> </tr> </thead> <tbody> <tr> <td>Conference</td> <td>A Compact UWB Microstrip Antenna For Wireless Applications Guide: Mr.G.Mahesh Project Members: M.V. Nikitha, N.Mohan Govinda Raju, K.C.Rachel, N. Lohit, P. Mahesh</td> <td>Miniaturized Novel Patch Antenna using DGS for Wi-fi and S-band Applications</td> </tr> <tr> <td>Conference</td> <td>Microchip patch Antenna for 5G mm-</td> <td>Design of microchip patch antenna</td> </tr> </tbody> </table>				Conference/ Journal	Title of the Project	Title of the Article	Conference	A Compact UWB Microstrip Antenna For Wireless Applications Guide: Mr.G.Mahesh Project Members: M.V. Nikitha, N.Mohan Govinda Raju, K.C.Rachel, N. Lohit, P. Mahesh	Miniaturized Novel Patch Antenna using DGS for Wi-fi and S-band Applications	Conference	Microchip patch Antenna for 5G mm-	Design of microchip patch antenna	<i>F-27 verified 2024 copy</i>																																													
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	wave Applications. Guide: Dr. J.Chandrasekhar Rao Project Members:T.Gayatri Konni, Y. Akhila, R. Sai Sindhu, Y. Karthikesh, S. Sai Teja	for 5G mm- wave Applications.
Conference	Women safety device using IoT Guide: Mr. P.P.M. Prasad	Women safety device using IoT

d) Projects turned into Patents: 02

Patent	Title of the Project	Title of the Article
Patent	Microchip patch Antenna for 5G mm-wave Applications Guide: Dr. J.Chandrasekhar Rao Project Members: Gayatri K, Y Akhila ,R Sai Sindhu, Y Karthikesh	A Compact Four Element U-Shaped MIMO Antenna with Slotted Ground for 5G mm Wave Wireless Communications
Patent	Microchip patch Antenna for 5G mm-wave Applications Guide: Dr. J.Chandrasekhar Rao Project Members: Tanimki Gayatri Konni, Yadlpalli Akhila, Raja Sai Sindhu	A compact 4-Element U-shaped MIMO Antenna with Slotted Ground for 5G mmWave Wireless Communications

R-13  
SoftCom  
Jentel

e) List and other details Incubations / Startups and etc.-Nil

6 Details of Placement, Internship and Training activities:

(a) Placement Activities:

- (i) Number of companies Visited : 29
- (ii) Number of Students Placed: 69
- (iii) Highest Salary offered: 7LPA
- (iv) Average salary offered: 4.4LPA
- (v) Median Salary offered: 4LPA

(b) Internship Activities:

- (i) Number of Organizations offered Internships : 14
- (ii) Number of Students carried out Internships : 363
- (iii) Number of Internships carried out with stipend: 0
- (iv) Total Number of Internships: 363

(c) Details of Training Activities/coding school activities/soft skills / Skill Development Courses conducted for your Department students

S.No.	Batch	From	To	Timing	Program
1	2020-2024	19 <sup>th</sup> September-2022	1 <sup>st</sup> October-2022	10.30 am to 5.00 pm	Strategic training to equip technical skills

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2	2019-2023	27 <sup>th</sup> June -2022	17 <sup>th</sup> July-2022	10.30 am to 5.00 pm	Strategic training to equip technical skills
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C-5  
College level.

**Details on MoUs and Ongoing /Completed Activities**

Name of the institution/ industry/ corporate house	Month and Year of signing MoU	Duration	List of activities under each MOU
Apply Volt, Hyderabad	12-01-2021	3 Years	Conducting training programs, FDPs, internships, Technical Seminars, Workshops and Conferences
Microlink Peripheral Controls Pvt. Ltd	20-04-2022	5 Years	Internships in communications and signal processing
SRC e-Solutions, Vijayawada	05-11-2021	5 Years	Provide in house hardware and PCB training for UG students
New Mexico State University	01-11-2018	5 years	Joint research and publications
Sri Shasha Prayathi Technologies Pvt. Ltd	22-09-2021	3 Years	Conducting webinars, industrial training programs and Project works, student startup, Technical consultancy
SK Deep Tech Pvt. Ltd	25-11-2020	3 years	Webinars, workshops
Spypro Security Solutions Pvt. Ltd.	18-04-2023	5 Years	Provide training, internships, industrial visits, sharing the technology, doing consultancy work

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visited

**Particulars of Co-Curricular and Extra-Curricular Activities (with proofs)**

**(i) Detailed list of Events conducted by College / Department**

S. No	Date	Topic	Seminar/ Lecture/ Conference / Event	Resource Person/Guests	No. of Participants Students / Faculty
1	13-07-2022	Webinar on Awareness Session on VLSI Industry	Webinar	ECE Department	127
2	19-09-2022 To 21-09-2022	Applications of Deep Learning Techniques to 5G and Beyond 5G Wireless Communication Technologies	FDP	Dr. Kalapraveen Bagadi, Professor, VIT, Vellore. Dr. S. Sathish Babu, Senior Research Fellow @ Chandhar Research Labs,	253

F-19  
visited.

				Chennai Dr. Prabhu Chandhar, Director @ Chandhar Research Labs, Chennai.	
3	17-11-2022	Parents Meeting	Event	Dr.Nazir Shaik, Dr.B.Chandra Mohan Dr.N.Venkata Rao	50
4	24-11-2022	Parents Meeting	Event	Dr.Nazir Shaik, Dr.B.Chandra Mohan Dr.N.Venkata Rao	100
5	6-12-2022	Carrier Guidance on Higher education Opportunity for Electron Engineer at abroad	Seminar	M.Krishna Reddy The Origin Consultancy Services Guntur	50
6	6-12-2022	Opportunity for Electron Engineer After B.Tech	Seminar	Sai Prasad Chowdary True Guru-The Engineers choice.	100
8	6-12-2022	Alumni Interaction with IV-Year Students	Seminar	Mr.Ravi Teja	50
9	23-12-2022	Guest lecture for faculty on Rugged Board, by Mr Vallabh, Phytch Embedded, Bengaluru	Guest Lecture	Mr. Vallabh, Design Engineer, Bengaluru	25
11	03-03-2023	BECTAGON	Student Events		
12	17-03-2023	IOT LAB Inaugural	LAB Inaugural		200
13	17-03-2023	IOT Project Expo	Project Expo	Student	200

(j) Events attended by the students Inside/ outside the institute (Participation and won prizes) at the College Level / District Level / National / International Level  
Refer Annexure 4.1 & 4.2

(k) Detailed list of Participants/ Prizes / Awards won by the students in NCC /NSS / Extension activities  
Refer Annexure 4.3

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## II Faculty Information

### a) Faculty Information

S.No	Number	As per Requirement (1:20 based on sanctioned intake)	Present
1	Professors	4	2
2	Associate Professors	8	5
3	Assistant Professors	25	27
4	Total	37	34

- b) Faculty members with  
 (i) Ph.D qualification : 12  
 (ii) Post Graduation Qualification and Registered for Ph.D : 8  
 (iii) Post Graduation Qualification but Not registered for Ph.D. Faculty: 12  
 (iv) Graduation Qualification but not registered for M.Tech:2

SFR - UG : 21.5

c) List of Faculty

S. No.	Name	Sex	Designation	Highest Qualification	Date of Joining	Experience in BEC	Experience outside BEC in Teaching	Industrial Experience	Total Experience	AICTE ID
1	Dr. N. Venkateswara Rao	M	Prof. & HOD	Ph.D.	06/06/2006	17 Y 3M	15 Y	0	32Y 3M	1-435356942
2	Dr. B. Chandra Mohan	M	Prof. & Dean	Ph.D	09/09/1992	30 Y 11M	0	0	30Y 11M	1-437253574
3	K. Sambasiva Rao	M	Assoc. Prof.	M.Tech	17/06/2002	21 Y 2 M	6Y	0	27Y 2M	1-424720975
4	Dr. P.Vinodh Babu	M	Assoc. Prof.	Ph.D	28/11/2019	3 Y 8 M	17Y	0	20Y 8M	1-425542544
5	Dr. P. Surendra Kumar	M	Assoc. Prof.	Ph.D	08/01/2005	18 Y 8M	0	0	18Y 8M	1-424147519
6	Dr. J.Chandrasekhar Rao	M	Assoc. Prof.	Ph.D	18/07/2019	4Y 2M	10	1	15Y 2M	1-7367343205
7	Dr. U. Srinivasa Rao	M	Assoc. Prof.	Ph.D	28/08/2019	4Y 1M	14	0	18Y 1M	1-7367343198
8	Dr. M. Vinod Kumar	M	Asst. Prof	Ph.D	28/08/2020	3Y 1M	8	0	11Y 1M	1-9315456488
9	Dr. V.M.S.N. Pavan Kumar Ch	M	Asst. Prof	Ph.D	5/10/2020	2Y 10M	6	0	3Y 10M	1-3364138463
10	Sk.M. Subhani	M	Asst. Prof.	M.Tech	15/06/2007	16Y 2M	8M	0	16 10M	1-424591015
11	D. Swetha	F	Asst. Prof.	M.Tech	11/06/2007	16Y 2M	0	0	16Y 2M	1-424567511
12	T. Krishna Chaitanya	M	Asst. Prof.	M.Tech	27/08/2008	14Y 11M	0	0	14Y 11M	1-424147597
13	Dr.M. Suneel	M	Asst. Prof.	Ph.D	06/06/2009	14Y 2M	0	0	14Y 2M	1-437253713
14	P.P.M. Prasad	M	Asst. Prof.	M.Tech	09/09/2011	11Y 11M	2	0	13Y 11M	1-812342377
15	B. Surendra Babu	M	Asst. Prof.	M.Tech	06/04/2012	11Y 4M	6M	0	11Y 10M	1-1515151440
16	Sk. Idrish	M	Asst. Prof.	M.Tech	14/11/2012	10Y 9M	0	0	10Y 9M	1-1513690993
17	N. Naga Swathi	F	Asst. Prof.	M.Tech	20/01/2014	9Y 6M	0	0	9Y 6M	1-21111

18	Y. Sruthi	F	Asst. Prof	M.Tec h	09/08/20 14	8Y 9M	0	0	8Y 9M	02408 1- 23236 53339
19	K. Kalpana	F	Asst. Prof	M.Tec h	29/06/20 15	8Y 1M	0	0	8Y 1M	1- 26490 03774
20	G. Mahesh	M	Asst. Prof	M.Tec h	29/06/20 16	6Y 8M	0	0	6Y 8M	1- 23359 72798
21	M.Srikanth	M	Asst. Prof	M.Tec h	28/08/20 20	2Y 11M	14	0	16Y 11M	1- 74853 4056
22	L.V.K Kartheek	M	Asst. Prof	M.Tec h	06/01/20 20	3Y 7M	8	0	11Y 7M	1- 73536 47829
23	Dr. Kommalapati Rajesh	M	Asst. Prof	Ph.D	27/06/20 22	1Y 1M	9	0	10Y 1M	
24	Dr. Nelaturi Nagendra Reddy	M	Asst. Prof	Ph.D	27/06/20 22	1Y 1M	5	0	6Y 1M	1- 35804 15046 1
25	Dr. Challa Nagaraju	M	Asst. Prof	Ph.D	01/08/20 22	1Y	7Y	0	8Y	1- 37342 75484
26	Sri. V.V.Bhargav Billani	M	Asst. Prof	M.Tec h	01/08/20 22	1Y	4Y	0	5Y	1- 34728 64495 9
27	Sri. T. Praveen Kumar	M	Asst. Prof	M.Tec h	01/08/20 22	1Y	5Y	0	6Y	1- 15135 88158
28	Mr. Bala bhaskar srinivasula	M	Asst. Prof	B.Tech	05-04- 2022	1Y	0	0	1Y	1- 34728 64500 2
29	Ms. Sujatha Ravulapalli	F	Asst. Prof	B.Tech	06-04- 2016	7Y	0	0	7Y	1- 31769 90658
30	Mrs. Apsana Parveen	F	Asst. Prof	M.Tec h	31/08/20 21	2Y	0	0	2Y	1- 10541 86942 0
31	Miss Bhargavi Sajja	F	Asst. Prof	M.Tec h	31/08/20 21	2Y	0	0	2Y	1- 10541 86943 2
32	Mr. Sankranthi Prasad	M	Asst. Prof	M.Tec h	31/08/20 21	2Y	0	0	2Y	1- 10543 17017 5
33	Mr. Ratna Chaitanya Tamidala	M	Asst. Prof	M.Tec h	31/08/20 21	2Y	0	0	2Y	1- 10536 93954 7
34	Mr. Nagendra Babu Guraka	M	Asst. Prof	M.Tec h	31/08/20 21	2Y	0	0	2Y	1- 10541 86940 8

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venhd.

Number of Faculty : 34

Male : 27

Female : 7

Faculty with more than 15 years of Teaching Experience	9
Faculty with more than 8 years of and less than 15 Years Teaching Experience	13
Faculty with more than 1 years of and less than 8 Years Teaching Experience	12
Faculty with less than 1 years of Teaching Experience	0

d) Non Teaching Faculty

S.No	Name	Sex	Designation	Highest Qualification	Date of Joining	Experience in BEC	Experience outside BEC in Teaching	Industrial Experience	Total
1	Ms.N. Kusuma	F	Lab Assistant	AMIETE	15-11-1996	27Y	1Y	0Y	28Y
2	Mr. Y Venkata Krishna	M	Lab Assistant	DECE	26-06-2006	17Y	0Y	0Y	17Y
3	Mr.G.Rama Krishna	M	Lab Assistant	DECE	20-12-2010	13Y	0Y	3Y	16Y
4	Mr. P. Venkatesh	M	Lab Assistant	DCSE	20-12-2010	13Y	0Y	2Y	15Y
5	Mr.P.Venkata Ramana	M	Junior Assistant	B.Sc	2000	23Y	2Y	0Y	25Y

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Total Non Teaching Staff : Male : 04 Female: 01  
 No of Technicians : 00  
 No of Lab Assistants : 04  
 No of Programmers : 00  
 No of Computer operators : 00  
 No of Helpers /Jr. Assistant : 01

10 Details on Faculty Improvement/Enrichment Programmes:  
 (a) FDP /STTP/Workshops/Seminars organized by the Department : 10  
 (b) Conferences organized by the Department: 01  
 (c) FDP /STTP/Workshops/Seminars attended by the faculty: 21  
 (d) Conferences attended by the Faculty: 10  
 (e) Any Other relevant information: Parents Meeting-02, BoS Meeting-01

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11 (a) Details of Research Publications:  
 (i) No. of publications in Journals  
 • National : 00  
 • International: 16  
 (ii) No. of publications in Conferences  
 • National : 00  
 • International: 10  
 (iii) Books / Book Chapters : 02  
 (b) Details of Patents/ copyrights/Industrial Designs :  
 (i) Published: 03  
 (ii) Granted: 00

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F-14.

12 (a) Details on Ongoing Research/Sponsored Research Project Details:

S.No	Name of The Faculty	Project Proposal	Amount	Funding Agency	Status ( Submitted / In Progress / Completed)
Nil					

(b) Report on Consultancy Details:

S.No	Name of The Faculty	Nature / Title	Amount	Client	Status ( Submitted / In Progress / Completed)
Nil					



### III Budget and Facilities

#### Details of Budget Proposals Submitted

(a) Details on Laboratory-wise Facilities with the following data:

- (i) Equipment /Software Details
- (ii) Procurement of additional equipment / Software (in the current academic year if any).  
**Refer Annexure 5.1**

(b) Details on Consolidated Computing facilities in the Department

- (i) Number of PCs: **175**
- (ii) List of the Software/ Software packages/Simulation Tools
  - Xilinx vivado software 25 user license Mentor graphics design tool 25 user license
  - MATLAB 7.0.1 Software with 29 Tool Boxes(30 users)
- (iii) No of Printers available: **03**
- (c) Availability of updated Stock Registers: **Yes**
- (d) Adoption of safety measures in the Department: **Yes**

(c) Class rooms/Tutorial rooms/Drawing Halls/Laboratories/Department Library/ HoD Office /Faculty rooms/seminar halls/waiting halls etc

S.No	Description	Hall/Room Numbers	Area (in Sq. mtrs)
1.	Class Room	H-6	103.3
2.	Class Room	H-9	76.8
3.	Class Room	H-22A	74.34
4.	Class Room	H-23	73.08
5.	Class Room	H-27A	80.8
6.	Class Room	H-28	79.5
7.	Class Room	H-26	103.3
8.	Class Room	H-28A	78.15
9.	Class Room	H-25	100.8
10.	Laboratory	DSP &MP Lab	164.6
11.	Laboratory	CC Lab	82.3
12.	Laboratory	IoT Lab	82.3
13.	Laboratory	ADC Lab	166
14.	Laboratory	EDC Lab	164.6
15.	Laboratory	DE Lab	82.3
16.	HOD & Dept. Office	Ground Floor	41.5
17.	Staff Room	Ground Floor	124.2

(d) Number of LCD Projectors/Digital Boards available in class rooms/seminar Halls/  
Laboratories: **10**

(e) Information on any other Teaching Aids(ICT Facilities) used by Faculty:  
**Pen Table wacom CTL-672-06**

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Report on Library, Internet & other facilities:

(a) Library and Information Centre (of Your Department in the central Library)

(Furnish Programme-wise Details):

- (i) Number of Titles: 2993
- (ii) Total volumes of Books: 8586
- (iii) Number of Journals: 7+7 (International + National) Print Journals
- (iv) Online Journals Subscriptions: 183
- (v) Online e-books Subscriptions: 858
- (vi) Any other item: Nil

(b) Department Library:

(Furnish Programme-wise Details):

- (i) Number of Titles: 363
- (ii) Total volumes of Books: 363

(c) Internet Connectivity:

S.No.	Name of the Service Provider	Bandwidth
1.	Bharat Sanchar Nigam Ltd., (BSNL) -Fiber optic leased line 1:1 (1 GBPS upload, 1 GBPS download capability)	1GBPS
2.	BSNL Broadband Internet	40 MBPS
3.	Airtel Internet	50 MBPS

F-20  
Centre.

Centralized

IV Administrative Data

16 The availability of Following Documents in the Department


- (i) Class Time Tables (Yes) ✓
- (ii) Individual Faculty Time Tables (Yes) ✓
- (iii) Laboratory wise Time Tables (Yes) ✓
- (iv) Individual Non-Teaching Time tables (Yes) ✓
- (v) Academic Calendar (Yes) ✓ - F-7
- (iv) Board of Studies (Yes) - F8
- (v) Department Advisory Board/DDC (Yes) - F61
- (vi) Department Research Committee (Yes) - F46
- (vii) Feedback on Faculty and action taken Reports (Yes) - F-36
- (viii) Reports on Stakeholders on Curriculum
  - (i) Course end survey (Yes) ✓
  - (ii) Graduate Exit Survey (Yes) ✓
  - (iii) Alumni (Yes) ✓
  - (iv) Employers (Yes) ✓
  - (v) Parents (Yes) ✓
  - (vi) Faculty (Yes) ✓
- (ix) Lesson Plans and Course Files (Yes) F25
- (x) Completed Registers (Yes) ✓
- (xi) Question Paper Verification Forms (Yes) - F-23
- (xii) Grievance Reports (Yes)

Action taken report of the previous year "Academic Audit" findings and the effectiveness of the same

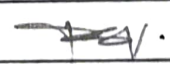
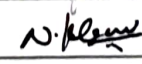
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Findings	Action Taken
Verification Sheets for course plan need to be maintained	All the faculty members have prepared the course plans and they are verified by the HOD.
Internal question paper verification sheets needs to be maintained	Internal Question paper verification sheets are maintained in the department.
Faculty Participation in research and workshops need to be improved	Faculty participation in research has been improved. No. of Journals: 16 No. of Conferences: 10 No. of Book Chapters: 02 No. of Patents: 03

18	Action taken report of the previous year "Program Exit Survey Feedback" findings and effectiveness of the same: Refer Annexure 6.1	F-37
19	Any other relevant information / Significant achievements of the Department	

Signature of   
 Professor & Head  
 ECE Department  
 Bopata Engineering College  
 Bapatla-522 102

20	Auditor's Report/ Comments : 1. Students to be encouraged to take part in the Hackathons and similar other events. 2. Research activity improved, may be improved further 3. Corporate training to be enhanced. 4. Grant of patents to <del>be</del> <del>try</del> <del>apply</del> <del>for</del> be undertaken. 5. Try for funded projects.
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Name of the Auditor and Designation	Signature	Date
PSV Vachaspati P.S.P.		4.1.24
N. KARUMAKAR AMF. PNR.		04-01-2024