

**DEPARTMENT OF
ELECTRONICS AND COMMUNICATION**



NBA Compliance Report

NATIONAL BOARD OF ACCREDITATION

Compliance Report Format
(Tier - I/Tier - II)

PART- A: Institutional Information

(To be filled only once for all the programs under consideration)

A1. Name and Address of the College: - NEW HORIZON COLLEGE OF ENGINEERING

City: Ring Road, Kadubisanahalli, Bellandur,
Bengaluru
Pin code: 560103

State: Karnataka

Phone No : 080-66297777

Fax: 080-28440770

Website:

E-mail:

<https://newhorizonindia.edu/nhengineering/>

principal@newhorizonindia.edu

A2. Year of Establishment: - 2001

A3. First Approval Letter No.: FNo.: 770-53-08 (NDEG)/ ET/2001, **Date:** 31/08/2001

A4. Head of the Institution: -

Name: - Dr. Manjunatha

Designation: - Principal

Nature of Appointment: -Full Time, Since 2011

Phone No: -080-66297777

Mobile: - +91 - 9901916000

E-mail:

Fax No: -080-28440770

principal@newhorizonindia.edu

A5. Name and Address of the Affiliating University: -

Visvesvaraya Technological University

City: -Belagavi

State: - Karnataka

Pin Code: 590018

Website: -www.vtu.ac.in

E-mail: -registrar@vtu.ac.in

Phone No : 0831-2498100

Fax: - 0831-2405467

A6. Type of the Institution:

Institute of National
Importance
University

☐☐

Deemed University

☐

*Provide Details:

Autonomous

☒

*Any other (Please
specify)

☐

A7. Ownership Status:

Central Government

☐

Trust

☐

State Government

☐

Society

☐

Government Aided

☐

Section 25 Company

☐

Self-financing

☒

*Any Other (Please

☐

specify)

*Provide Details:

A8. Students Admissions (Institute level considering all UG programs):

Item	CAY 2023 - 24	CAYm1 2022 - 23	CAYm2 2021 - 22	Total
Sanctioned intake	1200	1140	1140	3480
Number of students admitted (Corresponding to sanctioned intake)	1200	1205	1131	3536
% of Students Admitted over last three assessment years (Total Admitted/Sanctioned Intake)				100%

Kindly note that the year mentioned here is exemplary, institute has to consider the academic years as per the definition of CAY given in the document and according to the prevailing year.

Table A8**CAY: Current Academic Year****CAYm1: Current Academic Year minus 1 = Current Assessment Year****CAYm2: Current Academic Year minus 2 = Current Assessment Year minus 1****A9. Details of the Students actually admitted through Lateral Entry/Separate Division**

Item	CAY (2023 - 24)	CAYm1 (2022 - 23)	CAYm2 (2021 - 22)
Number of students admitted through Lateral Entry	-	116	110
Number of students admitted through Separate Division	-	-	-
Total Number of students admitted in the second year	1159	1120	1187

Note: Provide student details of the second shift (if applicable)

A10. Provide separate Information for each of the program(s) for which compliance is to be submitted

Name of the Department	Name of the Program being offered	Name of the program to be considered	Year of start	Intake	Increase in Intake, if any	Year of Increase	AICTE Approval	Accreditation Status*
Electronics and Communication Engineering	B.E. Electronics & Communication	B.E. Electronics & Communication	2001-02	60	-	NA	F.No.770-53-08 (NDEG)/ET/2001 /Dated:31/08/2001	Yes Granted Provisional Accreditation for three years up to 30-06-2024 under Tier 1
				90	Yes, 30	2004 - 2005	F.No.770-53-278(E)/ET/2001/ Dated:26-06-2004	
				120	Yes, 30	2008 - 2009	F.No.770-53-278(E)/ET/2001/ Dated:19-09-2008	
				180	Yes, 60	2012-13	South-west/1-690624911/2012/EOA Dated: 10-07-2012	

*** Write applicable one:**

- Granted provisional accreditation for two / three years for the period (specify period)
- Granted accreditation for 5 / 6 years for the period (specify period)
- Not accredited (specify visit dates, year)
- Withdrawn (specify visit dates, year)
- Not eligible for accreditation
- Eligible but not applied

PART B- Program Information

B1. Name of the Program B.E Electronics and Communication Engineering

B2. Faculty Information and Contributions:

S. No.	Name	PAN No.	Qualification	Area of Specialization	Designation	Date of Joining	Date on which Designated as Professor/ Associate Professor	Currently Associated (Y/N)	Nature of Association (Regular /Contract/Adjunct)	If contractual mention Full time or Part time	Date of Leaving (In case Currently Associated is "No")
1.	Dr. Aravinda K	AOLPK1917M	Ph. D.	Phase Locked Loop	Prof. & HOD	04-06-2007	01-04-2022	Y	Regular	Full time	-
2.	Dr. Sanjeev Sharma	BITPS4989J	Ph. D.	VLSI System Design	Prof. & Dean-QAIIIE	16-07-2018	16-07-2018	Y	Regular	Full time	-
3.	Dr. A B Gurulakshmi	AYTPG0953D	Ph. D.	EMI/EMC	Prof.	05-08-2019	01-04-2023	Y	Regular	Full time	-
4.	Dr. M Jayanthi	ALVPJ1199H	Ph. D.	Biomedical image Processing	Assoc. Prof	25-07-2016	01-08-2019	Y	Regular	Full time	-
5.	Dr. Piruthiviraj P	ATGPP5633B	Ph. D.	Optical Networking	Assoc. Prof	16-01-2019	16-01-2019	Y	Regular	Full time	-
6.	Dr. Dhivya M	AOPPD8558M	Ph. D.	Electrical Engineering	Assoc. Prof	17-07-2019	17-07-2019	Y	Regular	Full time	-
7.	Dr. G Rajesh	ANQPR6546K	Ph. D.	Electronics and Communication Engineering	Assoc. Prof	29-07-2019	01-11-2020	Y	Regular	Full time	-
8.	Dr. Arun Kumar	BPOPK3332R	Ph. D.	Wireless Communication	Assoc. Prof	02-11-2022	02-11-2022	Y	Regular	Full time	-
9.	Dr. Sudhakiran Ponnuru	AYBPP6929Q	Ph. D.	DC Microgrid and physical Design	Assoc. Prof	14-12-2023	14-12-2023	Y	Regular	Full time	-
10.	Dr. Kavita Avinash Patil	ASQPM6974M	Ph. D.	Biomedical Image Processing using Machine learning	Asst. Prof	18-10-2021	-	Y	Regular	Full time	-

11.	Ms. Ishani Mishra	BXCPM5843H	M.Tech	Electronics and Communication	Asst. Prof	04-08-2008	-	Y	Regular	Full time	-
12.	Ms. Divya Sharma	BJVPS4073A	M.Tech	CSE	Asst. Prof	25-07-2012	-	Y	Regular	Full time	-
13.	Ms. Lipsa Dash	BADPD8915M	M.Tech	ETC	Asst. Prof	03-09-2012	-	Y	Regular	Full time	-
14.	Ms. Monika Gupta	AYSPK4273F	M.Tech	VLSI Design	Asst. Prof	20-07-2015	-	Y	Regular	Full time	-
15.	Ms. Nayana G.H.	AVWPG1915C	M.Tech	VLSI Design & Embedded System	Asst. Prof	27-07-2015	-	Y	Regular	Full time	-
16.	Ms. Ramananna P	CKVPP6720K	M.Tech	VLSI and Embedded Systems	Asst. Prof	27-01-2016	-	Y	Regular	Full time	-
17.	Mr. Puvirajan T	CHQPP5016E	M.Tech	Communication Systems	Asst. Prof	17-07-2019	-	Y	Regular	Full time	-
18.	Mr. Richard Lincoln Paulraj	AYRPP1257B	M.Tech	VLSI Design & Embedded Design	Asst. Prof	17-07-2019	-	Y	Regular	Full time	-
19.	Ms. Mamta B Savadatti	CGYPS6239M	M.Tech	Communication Systems	Asst. Prof	09-01-2020	-	Y	Regular	Full time	-
20.	Ms. Swati Nigam	AKJPN2844C	ME	ECE	Asst. Prof	24-08-2020	-	Y	Regular	Full time	-
21.	Ms. Salna Joy	CDXPS3470C	ME	Applied Electronics	Asst. Prof	24-08-2020	-	Y	Regular	Full time	-
22.	Ms.Aneeta S. Antony	BRDPA8308L	M.Tech	Signal Processing	Asst. Prof	01-10-2020	-	Y	Regular	Full time	-
23.	Mr. Parag Jain	BBYPJ8549P	M.Tech	Digital Communication	Asst. Prof	08-03-2021	-	Y	Regular	Full time	-
24.	Ms. Bhawna Khokher	CLVPK2828Q	M.Tech	ECE	Asst. Prof	14-03-2021	-	Y	Regular	Full time	-
25.	Ms. Amarjeet Pal	ALNPC9789J	M.Tech	Digital Communication	Asst. Prof	26-07-2021	-	Y	Regular	Full time	-
26.	Mr. Sabitabrata Bhattacharya	AWOPB2110L	ME	Electrical Engineering	Asst. Prof	04-10-2021	-	Y	Regular	Full time	-
27.	Ms. R Baby Chithra	ALQPC2764A	ME	Control and Instrumentation	Asst. Prof	18-10-2021	-	Y	Regular	Full time	-
28.	Mr. Nithin Kumar N R	ARMPN9326P	M.Tech	VLSI Design & Embedded System	Asst. Prof	28-03-2022	-	Y	Regular	Full time	-
29.	Mr. Ajay Sudhir Bale	BCEPB8745C	M.Tech	Digital Electronics	Asst. Prof	04-04-2022	-	Y	Regular	Full time	-
30.	Mr. Mahendra S	AJZPN6363K	M.Tech	DECS	Asst. Prof	06-10-2022	-	Y	Regular	Full time	-

	Naik										
31.	Mr. Shashikiran S	DREPS8798M	M.Tech	DECS	Asst. Prof	06-10-2022	-	Y	Regular	Full time	-
32.	Mr. Srinivas Babu N	EWLPS9842F	M.Tech	DCN	Asst. Prof	06-10-2022	-	Y	Regular	Full time	-
33.	Mr. Nagendra R	BRHPR2734P	M.Tech	Embedded Systems	Asst. Prof	06-10-2022	-	Y	Regular	Full time	-
34.	Ms. Jagrati Gupta	BCBPG9885M	M.Tech	VLSI Design	Asst. Prof	25-09-2023	-	Y	Regular	Full time	-
35.	Mr. Pratik Chatterjee	AYWPC1469K	MS	Electrical and Computer Engg	Asst. Prof	25-09-2023	-	Y	Regular	Full time	-
36.	Ms. Hamsalekha R	ALAPH9720P	M.Tech	Electronics	Asst. Prof	04-10-2023	-	Y	Regular	Full time	-
37.	Ms. Shikha Rai	CPOPR7708K	M.Tech	DECS	Asst. Prof	02-11-2023	-	Y	Regular	Full time	-
38.	Mr. Vinay R	AUHPR9454N	M.Tech	Digital Communication	Asst. Prof	03-11-2023	-	Y	Regular	Full time	-

B.2.1. Student Faculty Ratio (No of Faculty as per the sanctioned intake):-*(To be calculated at Department Level)*No. of UG Programs in the Department (n): **01**No. of PG Programs in the Department (m): **Nil**No. of Students in UG 2nd Year= **u1**No. of Students in UG 3rd Year= **u2**No. of Students in UG 4th Year= **u3**No. of Students in PG 1st Year= **p1**No. of Students in PG 2nd Year= **p2****No. of Students = Sanctioned Intake + Actual admitted lateral students***(The above data to be provided considering all the UG and PG programs of the department)***S**=Number of Students in the Department = UG1 + UG2 +UG3 + PG1 + PG2**F** = Total Number of Faculty Members in the Department (excluding first year faculty)**Student Faculty Ratio (SFR) = S / F**

Year	CAY (2023-24)	CAYm1(2022-23)	CAYm2 (2021-22)
u1.1	198 (180+18)	197(180+17)	198(180+18)
u1.2	197(180+17)	198(180+18)	194 (180+14)
u1.3	198(180+18)	194 (180+14)	193 (180+13)
UG1	593	589	585
Total No. of Students in the Department (S)	S1 = 593	S2 = 589	S3 = 585
No. of Faculty in the Department (F)	F1 = 33	F2=33	F3=32
Student Faculty Ratio (SFR)	SFR1=S1/F1 =17.96	SFR2= S2/F2 =17.84	SFR3= S3/F3 =18.28
Average SFR	SFR=(SFR1+SFR2+SFR3)/3 = 18.02		

B2.2. Faculty Details of the Department (UG):

S.no.	Designation	CAYm1 2022-23			CAY 2023-24		
		With PhD.		Without PhD.	With PhD.		Without PhD.
		Regular	Contractual		Regular	Contractual	
a.	Professors	4	-	-	3	-	-
b.	Associate Professors	6	-	-	6	-	-
c.	Assistant Professors	-	-	28	1	-	28
d.	Total number in the Faculty in the Department (UG)	10	-	28	10	-	28

B2.3. Faculty Cadre Proportion

The reference Faculty cadre proportion is 1(F1):2(F2):6(F3)

F1: Number of Professors required = $1/9 \times$ Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per B2.1

F2: Number of Associate Professors required = $2/9 \times$ Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per B2.1

F3: Number of Assistant Professors required = $6/9 \times$ Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per B2.1

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	Available	Required F2	Available	Required F3	Available
CAY (2023-24)	3	3	6	6	18	24
CAYm1 (2022-23)	3	4	6	6	18	23
CAYm2 (2021-22)	3	4	6	7	18	21
Average Numbers	RF1= 3	AF1= 4	RF2= 6	AF2= 6	RF3= 18	AF3= 23

B2.4. Faculty as participants in Faculty development/training activities/STTPs

Name of the Faculty	Details of the participation (Faculty development/training STTPs)		
	CAYm1 (2022-23)	CAYm2 (2021-22)	CAYm3 (2020-21)
Dr. Aravinda K	2	3	3
Dr. Sanjeev Sharma	2	3	3
Dr. A B Gurulakshmi	12	6	6
Dr. M Jayanthi	8	2	3
Dr. Piruthiviraj P	7	4	2
Dr M Dhivya	2	3	1
Dr. G Rajesh	5	8	18
Dr. Arun Kumar	2	-	-
Dr. Kavita Avinash Patil	5	6	-
Ms. Ishani Mishra	4	6	3
Ms. Divya Sharma	10	8	4
Ms. Lipsa Dash	6	1	17
Ms. Monika Gupta	12	8	3
Ms Nayana G H	5	6	-
Ms. Ramananna P	6	7	-
Mr. Puvirajan T	3	-	-
Mr. Richard Lincoln Paulraj	5	9	14
Ms. Mamta B Savadatti	9	2	11
Ms. Swati Nigam	13	7	-
Ms. Salna Joy	11	-	-
Ms Aneeta Antony	1	1	3
Mr. Parag Jain	3	-	-
Ms. Bhawna Khokher	8	-	-
Ms. Amarjeet Pal	10	5	-
Mr. Sabitabrata Bhattacharya	9	6	-
Ms. R Baby Chithra	5	1	-

Mr. Nithin Kumar N R	3	-	-
Mr. Ajay Sudhir Bale	7	1	-
Mr. Shashikiran S	8	-	-
Mr. Mahendra S Naik	6	-	-
Mr. Nagendra R	1	-	-
Mr. Srinivas Babu N	6	-	-
Dr. Siddesh G K	-	1	-
Ms Tessy Tomy	-	2	7
Mr Deepak Kumar S N	-	-	1
Ms Ishita Deb	3	-	-
Mr Avinash N J	2	3	-
Dr Nisha K C R	-	1	4
Dr. Mohan Kumar Naik B	-	-	1
Dr. Reema Sharma	1	2	-
Mr. Karthick C V	-	-	1
Mr. Rajiv Gopal	-	-	1
Ms. Gayathri S	-	-	1
Ms Vansha Kher	-	5	5

B2.5. Research and Development

Name of the faculty	Academic Research			
	Number of quality publications in refereed/SCI Journals, citations, Books/Book Chapters etc.		Ph.D. guided /Ph.D. awarded during the assessment period while working in the institute	
	As provided in SAR	After evaluation (till the date of compliance report)	As provided in SAR	After evaluation (till the date of compliance report)
Dr. Aravinda K	8	Journals/ Book Chapter:18 Citation:90	-	Received Supervisor guideship on 2022
Dr. Sanjeev Sharma	13	Journals/ Book Chapter: 43 Citation:111	-	Ongoing :03 Awarded :01
Dr. A B Gurulakshmi	5	Journals/ Book Chapter:24 Citation: 64	-	Received Supervisor guideship on 2021
Dr. M Jayanthi	4	Journals/ Book Chapter:13 Citation: 76	-	Received Supervisor guideship on 2023
Dr. Piruthiviraj P	2	Journals/ Book Chapter: 6 Citation: 9	-	Received Supervisor guideship on 2023
Dr Dhivya M	6	Journals/ Book Chapter:5 Citation: 19	-	-
Dr. G Rajesh	6	Journals/ Book Chapter: 24 Citation: 62	-	Ongoing :02
Dr. Arun Kumar	-	Journals/ Book Chapter:32 Citation: 801 Top 2% scientist as per Stanford University Survey	-	Ongoing :04 Awarded:01

Dr. Sudhakiran Ponnuru	-	Journals/ Book Chapter: 00 Citation: 07	-	-
Dr. Kavita Avinash Patil	-	Journals/ Book Chapter: 12 Citation: 18	-	-
Ms. Ishani Mishra	4	Journals/ Book Chapter: 17 Citation: 113	-	-
Ms. Divya Sharma	3	Journals/ Book Chapter: 9 Citation: 138	-	-
Ms. Lipsa Dash	5	Journals/ Book Chapter: 19 Citation: 26	-	-
Ms. Monika Gupta	4	Journals/ Book Chapter: 17 Citation: 76	-	-
Ms Nayana G H	3	Journals/ Book Chapter: 6 Citation: 21	-	-
Ms. Ramananna P	4	Journals/ Book Chapter: 03 Citation: 07	-	-
Mr. Puvirajan T	-	Journals/ Book Chapter: 01 Citation: 0	-	-
Mr. Richard Lincoln Paulraj	2	Journals/ Book Chapter: 10 Citation: 24	-	-
Ms. Mamta B Savadatti	-	Journals/ Book Chapter: 14 Citation: 35	-	-
Ms. Swati Nigam	-	Journals/ Book Chapter: 8 Citation: 5	-	-
Ms. Salna Joy	-	Journals/ Book Chapter: 13 Citation: 30	-	-
Ms Aneeta Antony	-	Journals/ Book Chapter: 2 Citation: 164	-	-

Mr. Parag Jain	-	Journals/ Book Chapter: 4 Citation: 0	-	-
Ms. Bhawna Khokher	-	Journals/ Book Chapter: 7 Citation: 0	-	-
Ms. Amarjeet Pal	-	Journals/ Book Chapter: 09 Citation: 02	-	-
Mr. Sabitabrata Bhattacharya	-	Journals/ Book Chapter:06 Citation: 21	-	-
Ms. R Baby Chithra	-	Journals/ Book Chapter: 17 Citation: 35	-	-
Mr. Nithin Kumar N R	-	Journals/ Book Chapter: 6 Citation: 40	-	-
Mr. Ajay Sudhir Bale	-	Journals/ Book Chapter:50 Citation: 390	-	-
Mr. Shashikiran S	-	Journals/ Book Chapter: 3 Citation: 2	-	-
Mr. Mahendra S Naik	-	Journals/ Book Chapter: 4 Citation:05	-	-
Mr. Nagendra R	-	Journals/ Book Chapter: 4 Citation: 0	-	-
Mr. Srinivas Babu N	-	Journals/ Book Chapter:4 Citation: 2	-	-
Ms. Jagrati Gupta	-	Journals/ Book Chapter:0 Citation: 45	-	-
Mr. Pratik Chatterjee	-	Journals/ Book Chapter:0 Citation: 0	-	-
Ms. Hamsalekha R	-	Journals/ Book Chapter:5 Citation: 3	-	-
Ms. Shikha Rai	-	Journals/ Book Chapter:0 Citation: 0		
Mr. Vinay R	-	Journals/ Book Chapter:0 Citation: 0		

Dr. Siddesh G K	-	Journals/ Book Chapter: 4 Citation: 108	-	-
Ms Tessy Tomy	-	Journals/ Book Chapter: 1 Citation: 0	-	-
Mr Deepak Kumar S N	-	Journals/ Book Chapter: 1 Citation: 0	-	-
Ms Ishita Deb	-	Journals/ Book Chapter: 2 Citation: 0	-	-
Mr Avinash N J	-	Journals/Book Chapter: 13 Citation: 35	-	-
Dr Nisha K C R	6	Journals/ Book Chapter: 8 Citation: 97	Ongoing :04	Awarded :02 Ongoing :02
Dr. Mohan Kumar Naik B	5	Journals/ Book Chapter: 10 Citation: 45	Ongoing :04	Ongoing: 04
Dr. Reema Sharma	6	Journals/ Book Chapter: 5 Citation: 284	-	-
Mr. Karthick C V	4	Journals/ Book Chapter:0 Citation: 0	-	-
Mr. Rajiv Gopal	5	Journals/ Book Chapter: 0 Citation: 2	-	-
Ms. Gayathri S	-	Journals/ Book Chapter: 0 Citation: 0	-	-
Ms Vansha Kher	-	Journals/ Book Chapter: 9 Citation: 105	-	-

B2.6. Sponsored Research/Consultancy

(B) Details as provided in the SAR previously

Name of the faculty	Project Title	Project Type Research/C consultancy	Funding Agency	Amount	Duration
Ms. Sushmitha A Ms. Ishani Mishra Dr. Mohan Kumar Naik	Motion file Extraction	Research	7D plus Fun corner, Madurai	Rs. 3,20,000	1 year (2016-17)

Dr. Nisha K.C.R. Ms. Dharmambal V.	UCAP Powered Insulin Pump	Research	KSCST	Rs.6,500	6 months (2016-17)
Dr. Nisha K.C.R.	Investigations Along with Design, Development and Testing on Use of Current Source Inverter (CSI) (1kw, 440 V) for Grid Connected Solar PV for Residential/ Apartment Applications	Research	IEI	Rs. 35,000/-	1 year (2017-18)
Dr. Nisha K.C.R.	Investigations on use of Current Source Inverters (CSI) for Grid connected solar PV for Residential/ Apartment applications.	Research	VGST/R GS	Rs. 5,00,000/-	1 year (2017-18)
Dr. Gopalakrishnan K Dr. Nisha K.C.R. Mr. Sudip Kar	Development of "Single Card Satellite-Bus (SiCS-B)": 10 cm x10 cm (Timeline: 18 Months). Indo-Israel Joint Development	Research	ITCA, UNISEC, DRL, TSC	Rs. 25,00,000/-	1.5 year (2018-19)
Dr. Elumalai R. Dr. Mahesh K Dr. Nisha K.C.R.	Energy Studies	Consultancy	Lakshmi Enterprises	Rs. 50,000/-	1 Year 2016-2017

Dr. Shridhar Kurse Dr. Nisha K.C.R.	Testing and Validation	Consultancy	Lakshmi Transport	Rs. 75,000/-	1 Year 2016-2017
Dr. Elumalai R. Dr. Mahesh K Dr. Nisha K.C.R.	Testing and Evaluation & Energy Studies	Consultancy	Venkatesh- wara Garments	Rs. 20,000/-	1 Year 2016-2017
Dr. Nisha K.C.R.	Testing and Validation	Consultancy	Nancy Johnson	Rs. 30,000/-	1 Year 2017-2018
Ms. Lipsa Dash	Testing and Validation	Consultancy	Srinivasa Enterprises	Rs. 50,000/-	1 Year 2017-2018
Ms. Lipsa Dash	Testing and Validation	Consultancy	Ether Global Services	Rs.1,00,000/-	1 Year 2017-2018
Ms. Lipsa Dash	Testing and Validation	Consultancy	Veerabhdare shwara Enterprises	Rs. 50,000/-	1 Year 2017-2018
Dr. Aravinda. K	Content Development	Consultancy	Edu-Saksham	Rs. 10,000/-	1 Year 2018-2019
Ms. Nayana G H	Content Develop- ment	Consultancy	Edu-Saksham	Rs. 5,000/-	1 Year 2018-2019
Dr. Nisha K.C.R.	Testing and Validation	Consultancy	Nancy Johnson	Rs. 30,000/-	1 Year 2018-2019
Dr. Nisha K.C.R.	Motion Capture Files	Consultancy	Fun World	Rs. 50,000/-	1 Year 2018-2019
Dr. Nisha K.C.R.	Motion Capture Files	Consultancy	Fun World	Rs. 50,000/-	1 Year 2018-2019
Dr. Nisha K.C.R.	Motion Capture Files	Consultancy	Fun World	Rs. 50,000/-	1 Year 2018-2019
Dr. Nisha K.C.R.	Motion Capture Files	Consultancy	Fun World	Rs. 50,000/-	1 Year 2018-2019
Dr. Sanjeev Sharma, Prof. Lipsa	Testing and Validation	Consultancy	Srinivasa Enterprises	Rs. 40,000/-	1 Year 2018-2019
Dr. Reema Sharma	Testing and Validation	Consultancy	Ganesh Textiles	Rs. 25,000/-	1 Year 2018-2019
Dr. Reema Sharma	Testing and Validation	Consultancy	Ganesh Textiles	Rs. 25,000/-	1 Year 2018-2019
Dr. Reema Sharma	Testing and Validation	Consultancy	Ganesh Textiles	Rs. 25,000/-	1 Year 2018-2019
Dr. Sanjeev Sharma & Ms.	Testing and Validation	Consultancy	Veerabhdare	Rs. 1,00,000	1 Year 2018-2019

Lipsa Dash			shwara Enterprises	/-	
Dr. Sanjeev Sharma & Ms. Lipsa Dash	Testing and Validation	Consultancy	Veerabhadre shwara Enterprises	Rs. 50,000/-	1 Year 2018-2019
Dr. Gopalakrishnan K Dr. Nisha K.C.R. Dr. Sudip Kar	"Space Lab for Satellite Aptitude Test(SAT) On Wheels" 25 July 2018, 7DPLUS Technology Company & 75 Students Satellite Consortium of ITCA/UNIS	Consultancy	UNISEC , 7DPlus Tech Co, DRL	Rs. 5,00,000 /-	1 Year 2018-2019
Dr. Gopalakrishnan K Dr. Nisha K.C.R. Dr. Sudip Kar	Hands-on Educational Program for Technical Advancement : HEPTA- SAT Training Kit as Classroom Satellite (Engineering Model Prototype for testing)2U+ ADSB with D'vine Research labs ITCA Consortium/ UNISEC India (2 years' project)	Consultancy	ITCA, UNISEC , Planet Aerospace DRL, TSC	Rs. 3,00,000 /-	1 Year 2018-2019
Dr. Gopalakrishnan K Dr. Nisha	Hands-on Educational Program for	Consultancy	ITCA, UNISEC,	Rs 3,00,000/-	1 Year 2019-2020

K.C.R. Dr. Sudip Kar	Technical Advancement: HEPTA-SAT Training Kit as Classroom Satellite (Engineering Model Prototype for testing)2U+ ADSB with D'vine Research labs ITCA Consortium/ UNISEC India		Planet Aerospace DRL, TSC		
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(II) Details after evaluation (till the date of Compliance Report)

Name of the faculty	Project Title	Project Type Research/Consultancy	Funding Agency	Amount	Duration
Dr. Manjunatha Dr. A B Gurulakshmi	Scheme For Promoting Interest Creativity And Ethics Among Students(Spices)	Research	AICTE, India	1,00,000/-	1 year (2020-21)
Dr. Sanjeev Sharma Dr. A B Gurulakshmi	Modernisation of embedded system laboratory - embedded based internet of robotic things(IoRT)	Research	AICTE, India	12,60,784	1 year (2020-21)
Dr. Sanjeev Sharma	Internet Of Things (Iot)	Research	Internet Of Things (IoT)	93,000	1 year (2021-22)
Dr. Sanjeev Sharma, Dr. Gurulakshmi, Mr. Vaibhav V Prabhu	Sustainable Agriculture Solution for Mulberry Cultivation (Ongoing Project)	Research	Sustainable Agriculture Solution for Mulberry Cultivati	15,00,000	2 year (2021-22)

			on (Ongoing Project)		
Mr. Deepak S Nadiger Ms. Nanduri Srilasya Ms. Nettem Parnitha Ms. Mamatha B S	Human Friendly Animatronic Hand Controller	Research	KSCST, Government of Karnataka	6,000/-	6 months (2020-21))
Mrs. Vansha Kher Dr. Sanjeev Sharma	Scheduled Single Axis Solar Tracker Using Iot And Mppt System	Research	Scheduled Single Axis Solar Tracker Using Iot And Mppt System	7,000/-	6 month (2020-21)
Ms. Vansha Kher Dr. Sanjeev Sharma	Short Range V2V Wireless Communication For Accident Avoidance	Research	Short Range V2V Wireless Communication For Accident Avoidance	7,000/-	6 month (2021-22)
Dr.Manjunatha Prof.Sridhar Cruise Dr. Rajalakshmi B Dr.S.Sujitha Dr. Aravinda Dr. Mohan	Design And Development Of Cubesat 3u; Aadsb Including Launch Cost; Indo-Israel Joint Development Under UnisecIndia. (ECE: MODULAR STRUCTURE SAT, SDR, LORA Interface- onboard systems and subsystems, firmware coding, Antenna Deployment,	Research project	Itca,Unise c India,Drl, Tsc P Ltd	800000	1 year (2021-22)

	Integration Services, Testing and Qualifications for launch etc)				
Dr.Manjunatha Prof.Sridhar Cruise Dr. Rajalakshmi B Dr.S.Sujitha Dr. Aravinda Dr. Mohan	Integration Of Automation Panels And Sampling Systems Phase 2: Oil and Gas Processing: Drilling Operations: ECE/EEE: Integrate automation panels to control drilling processes, including the management of drilling mud and other fluids. MECH: Implement real-time monitoring of drilling parameters to optimize drilling efficiency and avoid potential issues. CSE/ISE: Use sampling systems to collect formation fluid samples for analysis during drilling.	Research project	Instrol W L L	500000	9 months (2021-22)
Dr.Manjunatha Dr .Sridhar Cruise Dr. Rajalakshmi B Dr.S.Sujitha Dr. Aravinda Dr. Mohan	Phase 2 - Development Of " Dual CardSatellite-Bus (DICS-B)": 10Cm X10 Cm (Timeline: 24 Months). Indo-Israel Joint Development (ECE: MODULAR STRUCTURE SAT, SDR, LORA Interface- onboard systems and	Research project	Itca,Unise c,India,D rl, Tsc P Ltd	8,00,000/-	2 Years (2022-23)

	subsystems, firmware coding, Antenna Deployment, Integration Services, Testing and Qualifications for launch etc)				
Dr.Manjunatha Dr.Sridhar Cruise Dr. Rajalakshmi B Dr.S.Sujitha Dr. Aravinda Dr. Mohan	Design And Development Of Cubesat 3u;ADSB Including Launch Cost; Indo-Israel Joint Development Under Unisec India. (ECE: MODULAR STRUCTURE SAT, SDR, LORA Interface- onboard systems and subsystems, firmware coding, Antenna Deployment, Integration Services, Testing and Qualifications for launch etc)	Research project	Itca,Unise c India,Drl, Tsc P Ltd	4,00,000/ -	1 Year (2022-23)
Dr. Piruthiviraj P	Analysis Of Air Pollution In A Smart City Infrastructure Using IOT	Research	Karnatak a State Council for Science and Technolo gy (KSCST), Indian Institute of Science, Bangalor e - 560030	5,000/-	6 months (2022-23)
Mrs. Nayana G H Dr. Aravinda K	Iot Based Smart Home Systems For	Research	Karnatak a State Council	5,000/-	6 months (2022-23)

	Specially Abled And Aged Users		for Science and Technolo gy (KSCST), Indian Institute of Science, Bangalor e - 560031		
Mrs. Sabitabrata Bhattacharya Mr. Parag Jain	Remote Driver Monitering System	Research	Karnatak a State Council for Science and Technolo gy (KSCST), Indian Institute of Science, Bangalor e - 560032	5,000/-	6 months (2022-23)
Mrs. Amarjeet Pal Cheema	Animal Detection For Farmlands Using Image Processing	Research	Karnatak a State Council for Science and Technolo gy (KSCST), Indian Institute of Science, Bangalor e - 560033	5,000/-	6 months (2022-23)
Mrs. Baby Chithra Mrs. Salna Joy	Traffic Rule Violation Recognition	Research	Karnatak a State Council for	4,000/-	6 months (2022-23)

			Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560034		
Prof. Bhawna Khokher Dr. Mamta Savadatti	IOT-Based High Security Smart Locker	Research	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560035	4,000/-	6 months (2022-23)
Dr.Manjunatha Prof.Sridhar Cruise Dr. Rajalakshmi B Dr.S.Sujitha Dr. Aravinda Dr. Mohan	Design Of Structure For Picosatellite: Testing And Validation 3 Variants ECE: Analyze the satellite's response to launch vibrations and shocks. Design the structure to withstand the dynamic environment during launch	Research project	TSC Technologies P Ltd	1,00,0000 /-	6 months (2019-20)
Dr.Sanjeev Sharma , Dr. Nisha K C R, Dr.Dhivya M, Dr.	Validation of OBC & SDR Telemetry for CubeSat: P-7 & 8	Consultancy	TSC Technologies, CSPD, Serbia, ITCA	Rs 10,00,000 /-	1 Year 2019-2020

Gurulakshmi A B					
Dr.Sanjeev Sharma, Dr. Nisha K C R, Dr.Dhivya, Dr.Gurulakshmi A B ,Ms.Lipsa Dash, Ms. Dharmamabal V	Design and development of UNITYsat/SlimS at with Qualification Tests (0.3USat): M-1 & M-2	Consultancy	UNISEC India, ITCA, CSPD, Serbia	Rs 10,00,000 /-	1 Year 2019-2020
Dr. Sanjeev Sharma, Dr. K.C.R. Nisha, Dr.Gunapriya	Energy studies	Consultancy	Lakshmi Enterprises	Rs 5,000/-	1 Year 2019-2020
Dr.Sanjeev Sharma, Dr.Rajesh	Product Development	Consultancy	Lakshmi Enterprises	Rs. 80,000/-	1 Year 2020-2021
Dr.Sanjeev Sharma, Dr.Rajesh	Testing and Validation	Consultancy	Nancy Johnson	Rs. 50,000/-	1 Year 2020-2021
Dr.Sanjeev Sharma, Dr.Rajesh	Product Development	Consultancy	Lakshmi Enterprises	Rs. 50,000/-	1 Year 2020-2021
Dr.Sanjeev Sharma, Dr.Rajesh	Product Development	Consultancy	Lakshmi Enterprises	Rs. 30,000/-	1 Year 2020-2021
Dr.Sanjeev Sharma, Dr.Piruthiviraj	Testing and Validation	Consultancy	Ether Global Services	Rs. 1,00,000/-	1 Year 2020-2021
Dr.Sanjeev Sharma, Dr.Rajesh	Product Development	Consultancy	Lakshmi Enterprises	Rs. 40,000/-	1 Year 2020-2021
Dr.Sanjeev Sharma, Ms.Ishani Mishra	Testing and Validation	Consultancy	Srinivasa Enterprises	Rs. 1,00,000/-	1 Year 2020-2021
Dr.Sanjeev Sharma	Training on Chip Design	Consultancy	M/s MEECHIP Technology (OPC) Pvt Ltd.	Rs. 1,84,000/-	1 Year 2021-2022

Dr.Sanjeev Sharma	Training on Chip Design	Consultancy	M/s MEECHI P Technology (OPC) Pvt Ltd.	Rs. 60,000/-	1 Year 2021-2022
Dr.Sanjeev Sharma	Training on Chip Design	Consultancy	M/s MEECHI P Technology (OPC) Pvt Ltd.	Rs. 40,100/-	1 Year 2021-2022
Dr.Sanjeev Sharma	Training on Chip Design	Consultancy	M/s MEECHI P Technology (OPC) Pvt Ltd.	Rs. 1,60,000/-	1 Year 2021-2022
Dr.Sanjeev Sharma	Training on Chip Design	Consultancy	M/s MEECHI P Technology (OPC) Pvt Ltd.	Rs. 1,40,000/-	1 Year 2021-2022
Dr.Aravinda Koithyar	Training on SoC	Consultancy	M/s MEECHI P Technology (OPC) Pvt Ltd.	Rs. 2,90,000/-	1 Year 2021-2022
Dr.Aravinda Koithyar	Training on SoC	Consultancy	M/s MEECHI P Technology (OPC) Pvt Ltd.	Rs. 2,00,880/-	1 Year 2021-2022
Dr.Sanjeev Sharma	Training on Functional Verification & Advanced Verification of VLSI Circuits	Consultancy	M/s MEECHI P Technology (OPC) Pvt Ltd.	Rs. 1,86,000/-	1 Year 2021-2022
Dr.Sanjeev Sharma	Training on Functional Verification & Advanced	Consultancy	M/s MEECHI P Technology	Rs. 1,00,000/-	1 Year 2021-2022

	Verification of VLSI Circuits		gy (OPC) Pvt Ltd.		
Dr.Sanjeev Sharma	Training on Functional Verification & Advanced Verification of VLSI Circuits	Consultancy	M/s MEECHI P Technology (OPC) Pvt Ltd.	Rs. 2,00,000/-	1 Year 2021-2022
Dr.Siddesh G K (ECE Department)	Birla Institute of Technology and Science, Pilani , Rajasthan- 333031	Guest Faculty - Teaching for WILP Division, BITS, Pilani, Rajasthan	Dr.Siddesh G K (ECE Department)	Rs. 4,40,420/-	1 Year 2021-2022
Dr. Arun Kumar	To assess and analyze the impact of 5G techniques on the deployment of smart hospital infrastructure	Consultancy	Prince of Songkla University	15000/-	2023-2024

B.3. Students' Performance

Student Intake Table

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	CAY (2023-24)	CAYm1 (2022-23)	CAYm2 (2021-22)	CAYm3 (2020-21)
Sanctioned intake of the program (N)	180	180	180	180
Total number of students admitted in first year minus number of students migrated to other programs/institutions, plus no. of students migrated to this program (N1)	186	189	179	184
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	-	18	17	18
Separate division students, if applicable (N3)	-	-	-	-
Total number of students admitted in the Program (N1 + N2 + N3)	186	207	196	202

Academic Performance Table

Year of entry	N1 + N2 + N3 (As defined above)	Number of students who have successfully graduated			
		I Year	II Year	III Year	IV Year
CAY (2023-24)	186				
CAYm1 (2022-23)	207 [189+18]	169			
CAYm2 (2021-22)	196 [179+17]	176	192		
CAYm3 (2020-21)	202 [184+18]	184	200	200	
CAYm4 (LYG) (2019-20)	194 [180+14]	180	194	194	194
CAYm5(LYGm1) (2018-19)	193 [180+13]	180	189	189	183
CAYm6(LYGm2) (2017-18)	213 [180+33]	180	209	197	196

B3.1. Success rate without backlog in stipulated period

SI= (Number of students who graduated from the program without backlog in the stipulated period of course duration)/ (Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separate division, if applicable)

Item	Last Year of Graduate, LYG (2019-20)	Last Year of Graduate minus 1, LYGm1 (2018-19)	Last Year of Graduate minus 2, LYGm2 (2017-18)
Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry and separate division, if applicable [X]	194	193	213
Number of students who have graduated without backlogs in the stipulated period [Y]	171	160	132
Success Index (SI= Y/X)	0.88	0.82	0.61
Average	0.77		

B3.2. Success rate with backlog in stipulated period of study

$SI = (\text{Number of students who graduated from the program with backlog in the stipulated period of course duration}) / (\text{Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separate division, if applicable})$

Item	Last Year of Graduate, LYG (2019-20)	Last Year of Graduate minus 1, LYGm1 (2018-19)	Last Year of Graduate minus 2, LYGm2 (2017-18)
Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry and separate division, if applicable [X]	194	193	213
Number of students who have graduated without backlogs in the stipulated period [Y]	194	183	196
Success Index (SI= Y/X)	1	0.95	0.92
Average	0.956		

B3.3. First Year Academic Performance

$\text{Academic Performance} = ((\text{Mean of 1}^{\text{st}} \text{ Year Grade Point Average of all successful Students on a 10 point scale}) \text{ or } (\text{Mean of the percentage of marks in First Year of all successful students}/10)) \times (\text{number of successful students}/\text{number of students appeared in the examination})$

Successful students are those who are permitted to proceed to the second year.

Academic Performance	CAYm1 (2022-23)	CAYm2 (2021-22)	CAYm3 (2020-21)
Mean of CGPA or Mean Percentage of all successful students (X)	8.47	8.50	8.27
Total no. of successful students (Y)	169	176	184
Total no. of students appeared in the examination (Z)	189	179	184
API = X* (Y/Z)	7.57	8.35	8.27
Average API [(AP1 + AP2 + AP3)/3]	8.06		

B3.4. Academic Performance in Second Year

API = ((Mean of 2nd Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Second Year/10)) x (number of successful students/number of students appeared in the examination)

Successful students are those who are permitted to proceed to the Third year.

Academic Performance	CAYm1 (2022-23)	CAYm2 (2021-22)	CAYm3 (2020-21)
Mean of CGPA or Mean Percentage of all successful students (X)	8.11	8.07	8.09
Total no. of successful students (Y)	192	200	194
Total no. of students appeared in the examination (Z)	193	202	194
API = X* (Y/Z)	8.06	7.99	8.09
Average API [(AP1 + AP2 + AP3)/3]	8.04		

B3.5. Academic Performance in Third Year

API = ((Mean of 3rd Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Third Year/10)) x (number of successful students/number of students appeared in the examination)

Successful students are those who are permitted to proceed to the final year.

Academic Performance	CAYm1 (2022-23)	CAYm2 (2021-22)	CAYm3 (2020-21)
Mean of CGPA or Mean Percentage of all successful students (X)	8.02	8.03	7.85
Total no. of successful students (Y)	200	194	189
Total no. of students appeared in the examination (Z)	200	194	189
API = X* (Y/Z)	8.02	8.03	7.85
Average API [(AP1 + AP2 + AP3)/3]	7.96		

B3.6. Placement, Higher Studies and Entrepreneurship

Item	CAY _{m1} (2022-23)	CAY _{m2} (2021-22)	CAY _{m3} (2020-21)
Total No. of Final Year Students (N)	200	194	189
No. of students placed in companies or Government Sector (x)	171	160	137
No. of students admitted to higher studies with valid qualifying scores (GATE or equivalent State or National Level Tests, GRE, GMAT etc.) (y)	2	6	1
No. of students turned entrepreneur in engineering/ technology (z)	0	0	0
$x + y + z =$	173	166	138
Placement Index : $(x + y + z)/N$	0.865	0.855	0.730
Average placement= $(P1 + P2 + P3)/3$	0.816		

PART C. Criterion wise Compliance Status

S.N.	Criteria	Observations made by NBA (During the last accreditation visit)	Compliance Status (Action taken by the institution)
1	Vision, Mission & PEOs		
1.1.	Formulation	PEOs are generic in nature	<ul style="list-style-type: none"> The department has defined 4 PEOs. All the statements are addressing the four attributes: Professional Skills, Continuous Learning, Professional, Ethical & Societal Responsibility and Team ethics. As Statement 3 of PEO is more generic in nature, and hence, suggested to include “Electronics and Communication Engineering” in PEO3 Statement. Hence revision was made for Statement 3 of PEO. The Program Educational Objectives (PEOs) undergo a meticulous evolution process spearheaded by the Department Advisory Board. The board comprises of experts from academia, industry, and research, to finalize the PEOs. All PEO’s along with vision and mission of the department are disseminated to the stake holders and inputs from the stake holders are taken at regular intervals. Revised PEOs approved by Department Advisory Board are taken into BOS Meeting for approval.
1.2.	Dissemination	-	-
1.3.	Assessment	-	-
1.4.	Any other observations of the NBA	-	-
2	Course outcome and Program Outcomes		
2.1.	Formulation	-	-
2.2.	Mapping	-	-

2.3.	Any other observations of the NBA	<p>1. Threshold set are low and different for different subjects</p> <p>2. The Procedure used to check level of attainment is improper</p>	<ul style="list-style-type: none"> Threshold level was defined based on three categories: Theoretical courses, Numerical courses and Practical oriented courses. These points are considered while setting the threshold, and attainment levels and final summary about target setting are submitted to Program Advisory Committee. Incremental Threshold achievements can be viewed through the visual representation provided in the course coordinator file. For the evaluation and assessment of CO's and PO's, multiple rubrics are used. Attainment of POs/PSOs through a course is calculated as Sum of product of CO attainment and CO-PO mapping by sum of weight contributed in CO-PO mapping. After calculating course-wise PO attainment for each level of assessment for eight semesters, Program-wise attainment is calculated for different levels of assessment. Also, the entire process is automated by software tool called Contineo. This enables us to calculate the attainment in a systematic way.
3.	Curriculum Design, if applicable		
3.1.	Process to identify the gap, if applicable and action taken Thereof	Minimum industry involvement	<p><u>Industry involvement in labs:</u></p> <ul style="list-style-type: none"> Industry supported laboratories are established. It is ensured that industry plays an important role in all the curricular activities. Four new centers of excellence with the support of technology experts from industry, are established. (Capgemini 5G, Capgemini Physical Design, Fanuc Robotics, CISCO, Juniper) HDL lab is offered in collaboration with Intel. These labs are designed to be hubs of innovation, collaboration, and excellence, aiming to advance knowledge and

			<p>practical applications in their designated domain.</p> <p><u>Industry involvement in curriculum:</u></p> <ul style="list-style-type: none"> • Industrial Experts are involved in framing the curriculum along with Academics expertise. • Based on the industrial inputs, new courses are added in the curriculum like cyber security, computer vision, and Ability Enhancement courses which provide the platform for skill development. • Faculty members undergo certified training for handling the industry supported courses and labs. <p><u>Action taken to improvise industry involvement</u></p> <ul style="list-style-type: none"> • Guest lectures and Expert lectures are organized only by means of the industrial experts. • Number of Events conducted is increased in core as well as in the recent trends in engineering. • The students are motivated to participate in Hackathons and project exhibitions conducted by industries and renowned institutes. • The students and faculty are encouraged to complete the industry ready certification courses. • Interdisciplinary projects and internships are encouraged among students, for which problem statements are defined by industry experts.
3.2.	Curriculum Structure & Component (as applicable)	Process needs to be more efficient	<ul style="list-style-type: none"> • The POs and PSOs are stated as per the department curriculum, and are outlined on a course-by-course basis, assessing the percentage of total credits for each course and calculating the total contact hours per semester. • Faculty preferences facilitate the allocation of courses two months prior to the start of classes, allowing them to

			<p>prepare pedagogical approaches.</p> <ul style="list-style-type: none">• The faculty-in-charge of each course develops detailed lecture plans in accordance with the academic calendar, incorporating topics, syllabi coverage before internal exams, tutorial classes, and total lecture hours required for completion.• Best practices are followed in the department and usage of diverse assessment methods, regular evaluations, and continuous improvement based on evaluation results. These practices ensure a comprehensive assessment of student progress, program effectiveness, and ongoing enhancements to the curriculum and teaching strategies.									
3.3.	Any other observations of the NBA	Impact analysis of industrial involvement is not performed properly	<ul style="list-style-type: none">• The Quality of every activity that is performed under the MOU is assessed based on the feedback forms collected from the faculty and students.• A detailed impact analysis is done in accordance with POs and PSOs. The action to be taken is submitted to DAB for further process.• The outcomes of the industrial visit are quantified and impact is numerically measured.									
4	Details of the Action taken on the Observation of NBA during last visit:											
	<table><tr><th colspan="3">Weakness / Areas of improvement</th></tr><tr><th></th><th>Observed during last visit</th><th>Action taken to overcome</th></tr><tr><td>1</td><td>Understanding of OBE among students is poor</td><td><ul style="list-style-type: none">• At the commencement of every semester, BOS Chairman conducts Orientation programs to the students.• Awareness is provided by the Head of the department about OBE, vision, mission, PEOs, POs and COs, in parent teacher meeting as well.• In addition, the faculty members present the syllabus during the classes,</td></tr></table>			Weakness / Areas of improvement				Observed during last visit	Action taken to overcome	1	Understanding of OBE among students is poor	<ul style="list-style-type: none">• At the commencement of every semester, BOS Chairman conducts Orientation programs to the students.• Awareness is provided by the Head of the department about OBE, vision, mission, PEOs, POs and COs, in parent teacher meeting as well.• In addition, the faculty members present the syllabus during the classes,
Weakness / Areas of improvement												
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1	Understanding of OBE among students is poor	<ul style="list-style-type: none">• At the commencement of every semester, BOS Chairman conducts Orientation programs to the students.• Awareness is provided by the Head of the department about OBE, vision, mission, PEOs, POs and COs, in parent teacher meeting as well.• In addition, the faculty members present the syllabus during the classes,										

			<p>providing the insight of respective course outcomes.</p> <ul style="list-style-type: none">• Faculty members are encouraged to take up the OBE NPTEL courses.• During the induction program for the new faculty members, the importance is OBE is communicated.
2	No Improvement in quality of students admitted.		<p>The quality of admitted students is enhanced as per the following actions taken:</p> <ul style="list-style-type: none">• Scholarship is provided to meritorious students• Co-curricular as well as Extra-curricular student achievements are duly recognized and appreciated.• The courses introduced with the help of Industry sponsored labs, facilitate the students in obtaining placements as well as global certification.
Concerns			
	Observed during last visit	Action taken to overcome	
1	Less Success rate without backlogs	<p>Measures for improving the success rate:</p> <ul style="list-style-type: none">• Faculty members conduct extra coaching classes for the students, based on their needs.• Students with backlogs are motivated to clear all courses and obtain good result, to improve the success rate.• There is an improvement of 57% in the success rate without backlogs (The success rate was 0.49 in previous cycle. Now the success rate is 0.77).	

2	Improper process to verify attainment of COs/POs	<p>Refined process was implemented and followed in the department:</p> <ul style="list-style-type: none"> • For each course within the program, Course Outcomes (COs) are assessed using a variety of assessment methods. • The calculation of CO attainment involves qualitative analysis by course instructors, who use defined thresholds and CO targets to determine whether the COs have been met or not. • Course coordinators report the CO attainment value, action plan for improvement, and recommendations for accomplishing CO targets. • At the end of the program for a particular batch, Program Outcomes (POs) and Program Specific Outcomes (PSOs) are assessed, with 80% weight given to direct assessment and 20% to indirect assessment, conducted through surveys of graduates, alumni, and employers. • The department frames survey questions to indirectly measure POs/PSOs. • Thorough analysis of these attainment levels informs the identification and implementation of action plans for subsequent batches. • Rubrics are utilized for the evaluation and assessment of COs, POs, and PSOs, facilitating a comprehensive and structured approach to monitoring and improving the program's educational outcomes.
3	Number of quality publications are less	<p>Actions/Measures to improve the quality of publications:</p> <ul style="list-style-type: none"> • All faculty members have published Journal Papers in Q1, Q2, Q3, Q4, SCI

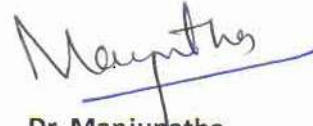
			<p>journals in the present cycle. This contributes towards the self-appraisal of each faculty member.</p> <ul style="list-style-type: none"> • Faculty members are encouraged to collaborate among researchers, both within our institution and with external partners. • Faculty development programs are conducted in the institution through the department of R&D, focusing on research methodologies, paper writing, and publication strategies. • Faculty members are provided incentives after the publication of their papers.
	4	Relatively less faculty retention	<p>Faculty Retention Ratio is improved to 87.88%. (Base year:2020-2021, total no. of faculty=32, retained 27 out of 32)</p>

Declaration

It is hereby declared that information provided in this Compliance Report is factually correct.
I understand and agree that an appropriate action against the Institute will be initiated by the
NBA (which may include debarring the institution for three years), in case any false
statement/information is observed during the assessment of the compliance report.

Date: 28.12.2023

Place: Bengaluru



Dr. Manjunatha

Principal

Dr. Manjunatha
Principal

New Horizon College of Engineering
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