

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING



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

☐☐

Autonomous

☒

*Any other (Please
specify)

☐

Deemed University

☐

*Provide Details:

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 Letter No.	Accreditation Status*
CSE	BE(CSE), M.Tech(CSE)	BE(CSE)	2001	60	-	2001-2002	770-53-008(NDEG)/ET/2001 dated 31-08-2001	Granted provisional accreditation for three years for the period 2021-2024 under Tier 1
				90	30	2004-2005	770-53-278(E)/ET/2001 dated 26-06-2004	
				120	30	2006-2007	770-53-278(E)/ET/2001 dated 21-09-2006	
				180	60	2018-2019	South-west/1-3516084284/2018/EOA dated 26-04-2018	
				240	60	2019-2020	South-west/1-4267377746/2019/EOA dated 29-04-2019	
				300	60	2023-2024	South-West/1-41102789012/2023/EOA dated 10-06-2023	

*** 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 BE(CSE)

B2. Faculty Information and Contributions

Please provide the list of faculty in the department according to the below format as **Appendix I**

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.B.Rajalakshmi	AEEPR7795D	M.Tech , Ph.D	Software Engineering	HOD & Professor	07/08/2017	NA	Y	Regular	NA	NA
2	Dr.Meenakshi Sundaram	AQJPM1028K	M Tech, Ph.D	Computer Science and Engineering	Professor	27/08/2018	04/10/2021	Y	Regular	NA	NA
3	Dr.Manikandan Shanmugaperumal Periasamy	CKGPM5612J	M.E, Ph.D	Computer Science and Engineering	Professor	10/04/2021	NA	Y	Regular	NA	NA
4	Dr.M.Dhanalakshmi	AFAPD0797A	M Tech, Ph.D	Cloud Computing	Professor	12/09/2022	NA	Y	Regular	NA	NA
5	Dr. Nirmala M	AHKPN6247M	M.E, Ph.D	Computer Science and Engineering	Professor	08/04/2022	01/08/2023	Y	Regular	NA	NA
6	Dr.Kavitha T	BCXPK7441P		Computer Science and Engineering	Professor	12/09/2022	NA	Y	Regular	NA	NA
7	Dr. Jaya R	AWMPR879G	M.E, Ph.D	Computer Science and Engineering	Associate Professor	21/07/2014	NA	Y	Regular	NA	NA
8	Dr.Suganya R	BSAPS4398J	M.E, Ph.D	Computer Science and Engineering	Associate Professor	17/07/2019	NA	Y	Regular	NA	NA
9	Dr Thirukumaran	ADTPT0963D	M.E, Ph.D	Computer Science and Engineering	Associate Professor	24/07/2019	NA	Y	Regular	NA	NA
10	Dr. Rachana P	BECPR7386M	M.E, Ph.D.	Image Processing	Associate Professor	24/08/2020	24/08/2020	Y	Regular	NA	NA
11	Dr. Santhosh Krishna B V	CKBPS6426D	M.E, Ph.D	Information and Communication Engineering	Associate Professor	02/08/2021	01/08/2022	Y	Regular	NA	NA
12	Dr. Ashok K	HHIPK3543Q	M.E, Ph.D.	Signal processing in Wireless Communication	Associate Professor	02/08/ 2021	01/08/2022	Y	Regular	NA	NA
13	Dr. Sonali Mahure	APEPM8369P	M.Tech, Ph.D	Computer Science and Engineering	Associate Professor	20/09/2021	03/05/2023	Y	Regular	NA	NA
14	Dr.C R Rathish	AWMPR7588J	M.E, Ph.D	Wireless Sensor Networks	Associate Professor	01/10/2021	NA	Y	Regular	NA	NA
15	Dr.Rajlakshmi Ghatkamble	CEJPG0089N	M.Tech, Ph.D	Computer Science and Engineering	Associate Professor	06/10/2022	NA	Y	Regular	NA	NA
16	Dr.Roja Ramani	BHWPR3217C	M Tech, Ph D	Information and Communication Engineering	Associate Professor	01/10/ 2022	01/03/2020	Y	Regular	NA	NA
17	Ms. Asha Rani Borah	AORPB4068G	M.Tech, (Ph.D)	Computer Science and Engineering	Senior Assistant Professor	25/07/2011	NA	Y	Regular	NA	NA
18	Ms. Soja Rani S	AYLPS5404H	M.Tech, (Ph.D)	Computer Science and Engineering	Senior Assistant Professor	24/07/2013	NA	Y	Regular	NA	NA
19	Ms. Pramilarani K	ASWPP7732N	M.Tech, (Ph.D)	Computer Science and Engineering	Senior Assistant Professor	21/07/2014	NA	Y	Regular	NA	NA

20	Ms. Uma N	AHPPN4271J	M.Tech, (Ph.D)	Computer Science and Engineering	Senior Assistant Professor	21/07/2014	NA	Y	Regular	NA	NA
21	Ms. Yogitha	ACBPY7323B	M.Tech	Computer Networks Engineering	Senior Assistant Professor	25/07/2016	NA	Y	Regular	NA	NA
22	Mr. Santosh Kumar B	AOWPB8695J	M.Tech, (Ph.D)	VLSI and Embedded Systems	Senior Assistant Professor	26/07/2017	NA	Y	Regular	NA	NA
23	Mr. Bhaskar S V	BYMPB9350F	M Tech	VLSI and Embedded Systems	Senior Assistant Professor	29/07/2019	NA	Y	Regular	NA	NA
24	Ms. Chempavathy	ANXPB1391H	M.E, (Ph.D)	Deep Learning	Senior Assistant Professor	24/08/2020	NA	Y	Regular	NA	NA
25	Ms. Subhashree Rath	AZNPR4587R	M.Tech (Ph.D)	Computer Science and Engineering	Senior Assistant Professor	01/09/2020	NA	Y	Regular	NA	NA
26	Ms.C Shreenagamanjula Rani	AGMPC9451D	M.Tech, (Ph.D)	Computer Science and Engineering	Senior Assistant Professor	20/09/2021	NA	Y	Regular	NA	NA
27	Ms. Devi Naveen	CWCPS0682J	M.Tech, (Ph.D)	Computer Science and Engineering	Senior Assistant Professor	27/09/2021	NA	Y	Regular	NA	NA
28	Ms. Jayashree	AGFPJ1644J	M.Tech, (Ph.D)	Computer Science and Engineering	Senior Assistant Professor	01/10/2021	NA	Y	Regular	NA	NA
29	Ms. Srividhya G	BCIPG5408F	M.Tech, M.S, (Ph.D)	Bioinformatics, Computational Science	Senior Assistant Professor	01/10/2021	NA	Y	Regular	NA	NA
30	Ms. D.Salangai Nayagi	DLWPS7912B	M.Tech, (Ph.D)	Cloud and Big data	Senior Assistant Professor	01/10/2021	NA	Y	Regular	NA	NA
31	Ms. Revathi S	BCQKPR5855	M.Tech	Computer Science and Engineering	Senior Assistant Professor	20/07/2021	NA	Y	Regular	NA	NA
32	Dr. M.ManikandaKumar	CKGPM5612J	M.E, Ph.D	Deep Learning	Senior Assistant Professor	03/01/2022	NA	Y	Regular	NA	NA
33	Ms. A.Senthil Anandhi	CTDPS8931A	M.E, (Ph.D)	Computer Science and Engineering	Senior Assistant Professor	03/05/2023	NA	Y	Regular	NA	NA
34	Ms.Chitra C	ARYPC1575D	M Tech, (Ph.D)	BMSI	Senior Assistant Professor	27/02/2023	NA	Y	Regular	NA	NA
35	Ms.Lakshmi S Hanne	ALSPH67399	M.Tech	Computer Science & Engineering	Assistant Professor	28/08/2019	NA	Y	Regular	NA	NA
36	Ms. Nayana N Kumar	CFQPK2427G	M Tech	Computer Science and Engineering	Assistant Professor	01/10/2021	NA	Y	Regular	NA	NA
37	Ms. Florance G	AAQPF6094D	M.E, (Ph.D)	Computer Networks.	Assistant Professor	13/12/2021	NA	Y	Regular	NA	NA
38	Mr. Geluvaraj B	AZAPR4383C	M.Tech, (Ph.D)	Computer Science and Engineering	Assistant Professor	01/10/2021	NA	Y	Regular	NA	NA
39	Ms. M. Thanga Subha Devi	BTVPM2005G	M.E, (Ph.D)	Machine Learning	Assistant Professor	20/09/2022	NA	Y	Regular	NA	NA
40	Ms. Bhavya R	ARYPB1821H	M.Tech	Computer Science & Engineering	Assistant Professor	12/09/2022	NA	Y	Regular	NA	NA
41	Ms. Anu Mohan M	CNCPA3006K	M.Tech	Network Engineering	Assistant Professor	12/09/2022	NA	Y	Regular	NA	NA
42	Ms. Lavanya C	AGLPL7310F	M.E, (Ph.D)	Computer Science & Engineering	Assistant Professor	28/02/2023	NA	Y	Regular	NA	NA
43	Ms. Saranya S	GUMPS6338R	M.Tech	Computer Science & Engineering	Assistant Professor	04/09/2023	NA	Y	Regular	NA	NA
44	Ms. J. Sivapriya	EMEPS6772P	M.E	Machine Learning	Assistant Professor	20/09/2021	NA	Y	Regular	NA	NA
45	Ms. Vernika Singh	HMHPS4939C	M.Tech	Computer Science & Engineering	Assistant Professor	28/09/2023	NA	Y	Regular	NA	NA
46	Ms. Kavitha.U	EPZPK1631H	M.Tech	Computer Science & Engineering	Assistant Professor	28/09/2023	NA	Y	Regular	NA	NA
47	Ms. A.Yasaswi	DOHPA9118B	M.Tech	Artificial Intelligence and Robotics	Assistant Professor	04/09/2023	NA	Y	Regular	NA	NA

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): 1No. of PG Programs in the Department (m): 1No. 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 1stYear= **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	240+23=263	240+24=264	240+23=263
u1.2	240+24=264	240+23=263	240+20=260
u1.3	240+23=263	240+20=260	240+21=261
UG1	264+264+263=790	264+263+260=787	263+260+261=784
p1.1	18	18	18
p1.2	18	18	18
PG1	36	36	36
Total No. of Students in the Department (S)	790+36=826	787+36=823	784+36=820
No. of Faculty in the Department (F)	47	47	47
Student Faculty Ratio (SFR)	SFR1=826/47=17.57	SFR2= 823/47=17.51	SFR3= 820/47= 17.45
Average SFR	SFR=(SFR1+SFR2+SFR3)/3 = 17.51		

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

S.no.	Designation	CAYm1 2022-23			CAY 2023-24		
		With PhD.		Without PhD.	With PhD.		Without PhD.
		Regular	Contractual		Regular	Contractual	
a.	Professors	5	-	-	6	-	-
b.	Associate Professors	11	-	-	10	-	-
c.	Assistant Professors	-	-	31	-	-	31
d.	Total number of Faculty in the d. Department (UG+PG)	16	-	31	16	-	31

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	5	6	10	10	30	31
CAYm1 2022-23	4	5	8	11	24	31
CAYm2 2021-22	4	4	8	12	24	31
Average Numbers	RF1= 4.33	AF1= 5	RF2=8.67	AF2=11	RF3= 26	AF3= 31

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

Name of the Faculty	Details of the participation (Faculty development/training activities/STTPs)		
	CAYm1 (2022-23)	CAYm2 (2021-22)	CAYm3 (2020-21)
Dr. Rajalakshmi B	1	2	-
Dr. Ashok K	5	3	7
Dr. Rathish Radhakrishnan	7	3	-
Dr. Santhosh Krishna B V	4	1	1
Dr. Rachana P	2	2	2
Dr. M Nirmala	3	2	-
Dr. Suganya R	2	-	2
Dr. M Dhanalaskhmi	2	-	-
Dr. Roja Ramani D.	2	-	-
Dr. Kavitha T.	2		-
Dr. Senthil Kumar R.	-	-	3
Yogitha	5	4	6
Soja Rani Sumangala	3	3	3
K Pramilarani	2	3	5
Subhashree Rath	2	2	2
Santosh Kumar B	1	2	2
Lakshmi Hanne	1	2	2
Manikandakumar Muthusamy	4	7	-
Chempavathy B	5	3	-
Srividhya Ganesan	4	1	-

Shree Nagamanjula Rani C	1	4	-
Pandey Surya Sampurnanand	3	1	-
Jayashree M	2	2	-
Uma N	2	1	-
B Geluvaraj	1	1	-
Bhaskar S V	2	-	-
Devi Naveen	2	-	-
D Salangai Nayagi	2	-	-
Nayana N Kumar	2	-	-
Thanga Subha Devi Mohanaraj	2	-	-
Bhavya R	2	-	-
Sasikala N.	1	1	-
Asha Rani Borah	1	-	-
Mr. Manjunatha Swamy C.	1	-	-
Florance G	1	-	-
Anu Mohan M	1	-	-
Ms. Jeevitha R	-	1	-
Ms. Revathi S	-	1	-
Dr. Subhashini	-	1	1
Dr. Vaishali M. Deshmukh	-	-	4

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. Rajalakshmi B	5	Journals/book chapter : 16 Citations : 23	1	1
Dr.Meenakshi Sundaram	1	Journals/book chapter :15 Citations :20	-	-
Dr Manikandan shanmuga perumal periasamy	-	Journals/book chapter:3 Citations : 17	-	-
Dr. M Dhanalakshmi	-	Journals/book chapter:2 Citations 4	-	2
Dr. M Nirmala	-	Journals/book chapter: 35 Citations : 51	-	3
Dr kavitha T	-	Journals/book chapter:4 Citations :13	-	-
Dr.Jaya R	24	Journals/book chapter: 9 Citations : 3	VTU / 2019	-
Dr.Suganya R	3	Journals/book chapter: 5 Citations : 22	-	-
Dr Thirukumaran R	-	Journals/book chapter : 7 Citations : 15	-	1
Dr. Rachana P	-	Journals/book chapter :22 Citation : 86	-	
Dr. Santhosh Krishna B V	-	Journals/book chapter :20 Citations : 430	-	3

Dr. Ashok K	-	Journals/book chapter 23 Citations : 75	-	2
Dr. Sonali Mahure	-	Journals/book chapter: 3 Citations : 0	-	-
Dr.Ratish	-	Journals/book chapter :20 Citations : 242	-	-
Dr Rajlakshmi Ghatkamble	-	Journals/book chapter : 7 Citations : 90	-	-
Dr.Roja Ramani	-	Journals/book chapter 3 Citations : 57	-	-
Asha Rani Borah	1	Journals/book chapter : 5 Citations : 6	-	-
Soja Rani Sumangala	7	Journals/book chapter: 7 Citations : 3	-	-
Ms. Pramilarani K	9	Journals/book chapter: 9 Citations : 3	-	-
Uma N	8	Journals/book chapter: 3 Citations : 6	-	-
Yogitha	-	Journals/book chapter: 3 Citations : 3	-	-
Santosh Kumar	8	Journals/book chapter: 8 Citations : 7	-	-
Mr. Bhaskar S V	2	Journals/book chapter : 2 Citations :5	-	-
Ms. Chempavathy	-	Journals/book chapter:8 Citations : 9	-	-
Ms. Subhashree Rath	-	Journals/book chapter : 7 Citations : 71	-	-
Ms.Shreenagamanjularani	-	Journals/book chapter: 3 Citations : 2	-	-
Ms.Devi Naveen	-	Journals/book chapter: 3 Citations : 2	-	-
Ms.Jayashree	-	Journals/book chapter: 2 Citations : 0	-	-
Ms.Srividhya G	-	Journals/book chapter:5 Citations :7	-	-

Ms.D.Salangai Nayagi	-	Journals/book chapter: 3 Citations : 36	-	-
Dr.M.ManikandaKumar	-	Journals/book chapter: 2 Citations : 34	-	-
Ms.A.Senthil Anandhi	-	Journals/book chapter: 5 Citations : 0	-	-
Ms. Lakshmi S Hanne	-	Journals/book chapter: 6 Citations : 7	-	-
Ms.Nayana N Kumar	-	Journals/book chapter: 3 Citations : 5	-	-
Ms.Florance G	-	Journals/book chapter: 4 Citations : 7	-	-
Mr.Geluvaraj B	-	Journals/book chapter: 0 Citations : 82	-	-
Ms.M. Thanga Subha Devi	-	Journals/book chapter:7, Citations :1	-	-
Ms.Bhavya R	-	Journals/book chapter:1 Citations : 0	-	-
Ms.Anu Mohan M	-	Journals/book chapter:1 Citations : 0	-	-
Ms.Saranya S	-	Journals/book chapter:1 Citations :0	-	-
Dr.Senthil Kumar R	-	Journals/book chapter:5 Citations : 35	-	-
Dr. Prashanth C Sai Ranga	4	Journals/book chapter : 2 Citations : 4	6	6
Dr S Sridevi	-	Journals/book chapter: 3 Citations : 0	-	-
Dr.S J Subhashini	-	Journals/book chapter : 4 Citations :6	-	-
Ms. Tinu N S	7	Journals/book chapter : 2 Citations :0	-	-
Shanmuga Priya S	9	Journals/book chapter : 7 Citations :18	-	-
Ms Suganya	-	Journals/book chapter : 3 Citations :4	-	-

Ms Jeevitha R	-	Journals/book chapter : 7 Citations:17	-	-
Pandey Surya Sampurnanand	-	Journals/book chapter: 2 Citations : 8	-	-

B2.6. Sponsored Research/Consultancy

(B) Details as provided in the SAR previously

Name of the faculty	Project Title	Project Type Research / Consultancy	Funding Agency	Amount	Duration
Dr.B.Rajalakshmi Dr.Thirukumaran R Mr.Santhosh Kumar B	Design and Development of “UNITYsat” as Slim Satellite: 10 cm x10 cm x 3.5cm (Timeline: 18 Months). Indo-Serbia Joint Development Project	Research	ITCA, UNISEC India, TSC P Ltd, CSPD, Serbia	6,50,000	1.5 years
Dr.B.Rajalakshmi Dr.Pamela Vinitha Mr.Santhosh Kumar B	UNITYSat/Slimsat 0.33U Satellite (Engineering Model Prototype for Qualification Testing & Flight Model) x 3 = 1 U with Deployer for ITCA Consortium/CSPD Serbia and UNISEC India (CSE: On Board Computer (OBC), Coding and Programming Responsibilities)	Research	ITCA, UNISEC India, TSC P Ltd, CSPD, Serbia	6,00,000	2 years
Dr.B.Rajalakshmi Dr.Mohan Kumar.S Ms.Asha Rani Borah	Development of “Single Card Satellite-Bus (SiCS-B)”: 10cm x 10cm Indo-Israel Joint Development (CSE: On Board Computer (OBC), Coding and Programming Responsibilities)	Research	ITCA, UNISEC India, DRL, TSC P Ltd	8,00,000	2.5 years
Dr.B.Rajalakshmi Dr.Kamatchi Priya.L Ms.Soja Rani	Design and Development of CubeSat 2U; ADSB including Launch Cost; Indo-Israel Joint Development under UNISEC India. (CSE: On Board	Research	ITCA, UNISEC India, DRL, TSC P Ltd	9,00,000	2 years

	Computer (OBC), Coding and Programming Responsibilities)				
Dr.B.Rajalakshmi Dr.Vinodha.K Ms.Shanmugha Priya	Design and Development of TSC SatNAV: Amateur Radio and Weather Satellite Tracker and Passes Predictor for Android	Research	TSC Technologies P Ltd.	15,00,000	10 months
Dr.B.Rajalakshmi Dr.N Guruprasad.N Mr.Santhosh Kumar B	UNITYSat/Slimsat 0.33U Satellite (Engineering Model Prototype for Qualification Testing & Flight Model) x 3 = 1 U with Deployer for ITCA Consortium/CSPD Serbia and UNISEC India (CSE: On Board Computer (OBC), Coding and Programming Responsibilities)	Research	ITCA, UNISEC India, TSC P Ltd, CSPD, Serbia	4,00,000	2 years
Dr.B.Rajalakshmi Dr.Mohan Kumar.S Ms.Asha Rani Borah	Development of “Single Card Satellite-Bus (SiCS-B)”: 10cm x 10cm Indo-Israel Joint Development (CSE: On Board Computer (OBC), Coding and Programming Responsibilities)	Research	ITCA, UNISEC India, DRL, TSC P Ltd	5,00,000	2.5 years
Dr.B.Rajalakshmi Dr.Kamatchi Priya.L Ms.Soja Rani	Design and Development of CubeSat 2U; ADSB including Launch Cost; Indo-Israel Joint Development under UNISEC India. (CSE: On Board Computer (OBC), Coding and Programming Responsibilities)	Research	ITCA, UNISEC India, DRL, TSC P Ltd	5,00,000	2 years
Dr.B.Rajalakshmi Dr.Beena B M Ms.Clara Kanmani	Design of OBC for PocketQube Satellite and Programming and Validation	Research	TSC Technologies P Ltd.	3,50,000	9 months

Sponsored Consultancy Projects

Name of the faculty	Project Title	Project Type	Funding	Amount	Duration
		Research / Consultancy	Agency		
Dr.Thirukumaran R Santhosh Kumar B Mr.Sanket Huddar	Mobile App Development	Consultancy	ITCA, CSPD, Serbia, UNISEC India, TSC P Ltd	2,00,000	6 months
Dr.Thirukumaran R Mr.Edwin Benny Mr.Anand R Patil	Mobile App Development & Customer Satisfaction Survey	Consultancy	Nike	30000	2 months
Dr.B.Rajalakshmi Dr.Mohan Kumar.S Dr.Clara Kanmani Dr.Vinitha Ms.Padmapriya Ms.Shanmughapriya Ms.Moni Krithika Ms.Divya	Development of Software and Mobile App & Survey	Consultancy	Sodexo	3,00,000	12 months
Dr.Mohan Kumar S Ms.Pramilarani Ms.Soja Rani Mr.Sivabalan Mr.Rahul Mr.Vinay	Web Portal Development	Consultancy	Veerabhadreswara Enterprises	75,000	4 months
Dr.Clara Kanmani Ms.Rajitha Ms.Nisha Ms.Thrupthi	Evaluation of Projects: Feasibility Studies	consultancy	Swadista Catering	50000	3 months
Ms.Shanmughapriya Ms.Pramilarani Ms.Soja Rani Mr.Suhas Mr.Ayush	Web Portal Development for Online Survey	Consultancy	Swathi Glass & Ply Boards	50000	3 months

Dr.Nilima Kulkarni Ms.Asha Rani Borah Mr.Rohit Mulay Ms.Shriya B	Online evaluation tools	Consultancy	Sarah Enterprises	1,50,000	5 months
Dr.Vishwanath Y Ms.Yogitha Ms.Nidhishree Ms.Harshitha	Online promotional mobile Apps	Consultancy	K2 Learning	1,00,000	4 months
Dr.Beena B M Ms.Soja Rani Mr.Vinay Khande Mr.Vishwas	Online evaluation tools	Consultancy	Edu merge	1,00,000	4 months
Mr.Puneet S Palagi Ms.Yogitha Ms.Nidhishree Ms.Harshitha	Online promotional mobile Apps	Consultancy	K2 learning	1,00,000	4 months

Total Research Project Funds: Rs. 62,00,000/-

Total Consultancy Project Funds: Rs. 11, 55,000/-

Total Funds: Rs. 73,55,000/-

(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 .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 (CSE: On Board Computer (OBC), Coding and Programming Responsibilities)	Research	Itca,Unisec,India, Drl, Tsc P Ltd	1200000	2 Years
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 UnisecIndia. (CSE: On Board Computer (OBC), Coding and Programming Responsibilities)	Research	Itca,Unisec India,Drl, Tsc P Ltd	800000	1 year
Mrs. Chempavathy Dr. B. Meenakshi Sundaram	An Experimental Analysis On Mitigating The Effects Of Malicious Nodes In A Federated Learning System	Research	KSCST	4000	8 months
Dr. K Ashok Dr. B Rajalakshmi	Women Safety Analysis System Using Machine Learning On Different Social Media Platform	Research	KSCST	3000	8 months
Prof.D.Salangai Nayegi Dr.Dhanalakshmi	Vulnerability Analysis Architecture Utilizing Auto Encoding Bayesian Algorithm	Research	KSCST	4000	8 months
Dr. Tejas K R Dr.B.Rajalakshmi	Image Recognition And Enhancement Using Multi-Scale Retinex And Histogram Equalization	Research	KSCST	4000	8 months
Geluvaraj B Santosh Kumar B V	2d Images To High Resolution 3d Human Digitization	Research	KSCST	4000	8 months
Mr. Santhosh Kumar Dr. Rachana P	Smart Gloves Development Implementing Tinyml For Real-Time Sign Language Recognition	Research	KSCST	4000	8 months
Ms. Florance G	Encephalon - Solve And Learn	Research	KSCST	3000	8 months
Thanga Subha Devi Dr. Nirmala M	Student's Soul: The Non Transferable Token	Research	KSCST	4000	8 months
Dr. D.Roja Rani	Cytocol - Online Law System	Research	KSCST	3500	8 months
Mrs. Priya T V Dr. B. Meenakshi Sundaram	Predictive Protection Of Sensitive Data	Research	KSCST	3000	8 months

Dr.Manjunatha Prof.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 UnisecIndia. (CSE: On Board Computer (OBC), Coding and Programming Responsibilities)	Research	Itca,Unisec India,Drl, Tsc P Ltd	1000000	1 year
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	Instrol W L L	800000	9 months
Dr. Rajalakshmi Dr. Meenakshi Sundaram Dr.Arun Babu	Authentication and Access control for IoT Applications	Research	KSCST/COE- CS/597	60,000	1 Year
Dr. B Meenakshi Sundaram Dr. Rajalakshmi B	Disaster Relief Compensation Computational Framework	Research	KSCST	5000	8 months
Dr. Vaishali M Deshmukh	Autonomous Envoy: End-To- End Solution For Self-Driving Vehicles Using Deep Learning Methods	Research	KSCST	6000	8 months
Mr. Santosh Kumar Dr. R. Senthil Kumar R	Drone Clean-Zilla	Research	KSCST	6000	8 months
Ms. Soja Rani S Dr. Vaishali M Deshmukh	Secure Quadcopter Delivery	Research	KSCST	5000	8 months
Dr. Senthil Kumar Dr. B Rajalakshmi	Anemia Testing For Patients Using Machine Learning	Research	KSCST	6000	8 months
Ms. Lakshmi S Hanne Dr. Thirukkumaran	Customer Attrition Using Machine Learning Algorithms	Research	KSCST	5000	8 months
Mr. Geluvaraj B	Deep Trash	Research	KSCST	4000	8 months
Ms. Revathi S	Sound Mind: Detecting Depression And Anxiety In Humans	Research	KSCST	3000	8 months
Ms. Revathi.S Dr. Pamela Vinitha Eric	Neural Eyes: A Study On Cnn And Svm	Research	KSCST	3000	8 months

Ms. R Suganya	Implementation Of Sleep Apnea Disorder Using Smart T-Shirt	Research	KSCST	4000	8 months
Ms. Devi Naveen	Landslide Detection	Research	KSCST	4000	8 months
Ms. Yogitha J Subhashini	Dr. S Review On Lane And Object Detection For Accident Prevention In Automated Cars	Research	KSCST	6000	8 months
Dr. Meenakshi Sundaram	Video Anomaly Finder	Research	KSCST	4000	8 months
Ms. Jayashree M Dr. Meenakshi Sundaram	Critical Evaluation Of Snmd's In Social Media	Research	KSCST	4000	8 months
Ms. Smitha S P	Abnormal Event Detection	Research	KSCST	4000	8 months
Ms. Smitha S P	Skin Cancer Detection And Classification	Research	KSCST	5000	8 months
Mrs. Tinu NS	Human Action Recognition Using Emergent Deep Learning Techniques	Research	KSCST	5000	8 months
Dr. Rachana P	Pothspy: A Pothole Detector	Research	KSCST	4000	8 months
Ms. Sasikala N	Missing Child Identification	Research	KSCST	4000	8 months
Dr. B Rajalakshmi	Training on Machine Learning	Consultancy	M/s Ether Global Services Pvt.Ltd.	102000	1 year
Dr. B Rajalakshmi	Training on Machine Learning	Consultancy	M/s Ether Global Services Pvt.Ltd.	60000	8 months
Dr. B Rajalakshmi	Training and Certification in Software Testing	Consultancy	M/s Ether Global Services Pvt.Ltd.	79200	8 months
Dr. B Rajalakshmi	Training and Certification in Software Testing	Consultancy	M/s Ether Global Services Pvt.Ltd.	48200	1 year
Mrs.Jayashree	Guest Faculty - Teaching for WILP Division, BITS, Pilani, Rajasthan	Consultancy	Birla Institute of Technology and Science, Pilani , Rajasthan-333031	240000	1 year
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. (CSE: On Board Computer (OBC), Coding and Programming Responsibilities)	Research	Tsc Technologies P Ltd	800000	2 Years
Dr.Manjunatha Prof.Sridhar Cruise Dr. Rajalakshmi B Dr.S.Sujitha	INTEGRATION OF AUTOMATION PANELS AND SAMPLING SYSTEMS Oil and Gas	Research	Instrol W L L	500000	9 months

Dr. Aravinda Dr. Mohan	Processing: Wellhead Automation: ECE/EEE: Automate wellhead control systems for efficient and safe extraction of crude oil and natural gas. MECH: Implement automation panels to monitor wellhead parameters such as pressure, temperature, and flow rates. CSE/ISE: Use automated sampling systems to collect representative samples for analysis at the wellhead.				
Ms. Deepti Rai	Shillelagh – The Smart Stick	Research	KSCST	3500	8 months
Ms. Harshitha	Rainstorm Prediction System	Research	KSCST	4500	8 months
Dr. Thirukumaran	Testing and Validation	Consultancy	K-2 Learning	50000	6 months
Dr. Jaya.R	Customer satisfaction survey & Development of Software	Consultancy	Pulse Sports Private Limited	40000	6 months
Dr. Jaya.R	Customer satisfaction survey & Development of Software	Consultancy	Pulse Sports Private Limited	20000	6 months
Dr. Thirukumaran	Mobile App Development	Consultancy	Sarah Enterprises	50000	6 months
Dr. Sridevi	Requirement Survey & Development of Mobile App	Consultancy	Damodaran Book Stores	300000	1 year
Dr. Rajalakshmi B	Centre of Excellence Consultancy - Training and Development HP Vertica	Consultancy	Skill Development Programme	40000	6 months
Dr. Asha	Centre of Excellence Consultancy - Training and Development IBM	Consultancy	Skill Development Programme	66000	8 months
Dr. Asha	Centre of Excellence Consultancy - Training and Development IBM	Consultancy	Skill Development Programme	48000	6 months
Dr. Rajalakshmi B	Centre of Excellence Consultancy - Training and Development HP Vertica	Consultancy	Skill Development Programme	81505	8 months
Dr. Girija, Dr. Amarjeet Singh, Dr. Anandhi	LMS features enhancement	Consultancy	Contineo (E-Sutra)	60000	8 months

Total Research Project Funds: Rs. 52,91,500/-

Total Consultancy Project Funds: Rs. 12,84,905/-

Total Funds: Rs. 65,876,405/-

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)	300	240	240	240
Total number of students admitted in first year <i>minus</i> number of students migrated to other programs/institutions, plus no. of students migrated to this program (N1)	335*	280*	303*	308*
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	-	23	24	23
Separate division students, if applicable (N3)	-	-	-	-
Total number of students admitted in the Program (N1 + N2 + N3)	335	303	327	331

*Inclusive of SNQ, PMSS, AICTE quota

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)	335+0+0=335				
CAYm1(2022-23)	280+23+0=303	272			
CAYm2(2021-22)	303+24+0=327	299	321		
CAYm3(2020-21)	308+23+0=331	306	325	325	
CAYm4 (LYG) (2019-20)	315+20+0=335	313	324	315	307
CAYm5 (LYGm1)(2018-19)	297+21+0=318	297	305	299	284
CAYm6 (LYGm2)(2017-18)	220+28+0=248	208	225	225	222

B3.1. Success rate without backlog in stipulated period

$SI = (\text{Number of students who graduated from the program without backlog in the stipulated period of course duration}) / (\text{Number of students admitted in the first year of that batch and admitted in 2}^{nd} \text{ year via lateral entry})$

entry and separate division, if applicable)

Item	Latest Year of Graduation, LYG (2022-23)	Latest Year of Graduation minus LYGm1(2021-22)	Latest Year of, Graduation minus 2, LYGm2 (2020-21)
Number of students admitted in the corresponding First Year + admitted in 2 nd year via lateral entry and separate division, if applicable	335	318	248
Number of students who have graduated without backlogs in the stipulated period	187	209	147
Success Index (SI)	0.56	0.66	0.59
Average Success Index	0.60		

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	LYG (CAYm4) (2022-23)	LYGm1 (CAYm5) (2021-22)	LYGm2 (CAYm6) (2020-21)
Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry and separate division, if applicable	335	318	248
Number of students who have graduated with backlogs in the stipulated period	307	284	222
Success Index (SI)	0.92	0.89	0.89
Average Success Index	0.90		

B3.3. First Year Academic Performance

Academic Performance = ((Mean of 1st Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks in First Year of all successful students/10)) × (number of successful students/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)	8.65	7.9	7.97
Total no. of successful students (Y)	272	299	306
Total no. of students appeared in the examination (Z)	280	303	308
API = $x * (Y/Z)$	AP1=8.65*(272/280) AP 1 = 8.4	AP2=7.9*(299/303) AP 2 = 7.79	AP3=7.97*(306/308) AP 3 = 7.92
Average API = (AP1 + AP2 + AP3)/3	8.03		

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)) × (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)	8.64	8.31	8.29
Total no. of successful students (Y)	321	325	324
Total no. of students appeared in the examination (Z)	323	327	331
API = $x * (Y/Z)$	AP 1 = 8.58	AP 2 = 8.25	AP 3 = 8.11
Average API = (AP1 + AP2 + AP3)/3	8.31		

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)	8.38	8.34	8.21
Total no. of successful students (Y)	325	315	299
Total no. of students appeared in the examination (Z)	325	324	304
$API = x * (Y/Z)$	AP 1 = 8.38	AP 2 = 8.10	AP 3 = 8.07
Average API = (AP1 + AP2 + AP3)/3	8.18		

B3.6.Placement, Higher Studies and Entrepreneurship

Item	CAYm1 (2022-23)	CAYm2 (2021-22)	CAYm3 (2020-21)
Total No. of Final Year Students (N)	335	318	248
No. of students placed in companies or Government Sector (x)	284	288	166
No. of students admitted to higher studies with valid qualifying scores (GATE or equivalent State or National Level Tests, GRE, GMAT etc.) (y)	18	9	3
No. of students turned entrepreneur in engineering/technology (z)	0	0	0
$x + y + z =$	302	297	169
Placement Index : $(x + y + z)/N$	0.90	0.93	0.68
Average placement= (P1 + P2 + P3)/3	0.84		

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	Vision and mission statements are clearly defined and disseminated adequately	Vision and mission statements are retained based on the recommendations and appreciation by NBA peer team comments.
1.2.	Dissemination	Documentary evidence for the process of defining PEO is not sufficient	<p>The following documentary evidences are maintained with respect to the process of defining PEOs.</p> <ul style="list-style-type: none"> • The feedback report from internal/external stakeholders' about defining PEOs is maintained in Program Assessment Committee (PAC) file. • Review comments about the PEO statements received from the stakeholders is maintained in Department Advisory Board (DAB) file. • The action plan based on the consolidated feedback is given as the input to Board of Studies (BOS) • Reframed curriculum structure is reflected in the syllabus. • All the ratified documents are available in Board of Studies(BoS) / Academic Council Meet (ACM) MoM.
1.3.	Assessment	Justification for mapping is not proper	<ul style="list-style-type: none"> • Justification for mapping vision, mission and PEOs based on National Education Policy based curriculum is in place. • Justification for the process of defining PEO is disseminated through academic syllabus hand book. • The mapping of PEOs have taken a new dimension with respect to the new NEP based curriculum which categorizes the courses emphasized on hands-on practical approaches.
1.4.	Any other observations of the NBA	-	-

2	Course outcome and Program outcomes		
2.1.	Formulation	COs are well defined for every course	COs are intact with the curriculum objectives as mentioned by the NBA peer team.
2.2.	Mapping	Process of CO/PO mapping and attainment level evaluation is not adequate and needs to be revised thoroughly	<ul style="list-style-type: none"> The adequacy of attainment levels of CO/PO mapping is achieved through all its CIE components with related rubrics and SEE question papers. Thereby the evaluation of the attainment happens with all pattern of assessment. 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. The entire process is automated by software tool called Contineo. This enables us to calculate the attainment in a systematic way.
		Assessment tools and processes need to be reviewed.	<p>The following Assessment tools are identified and listed below which is considered for internal Assessment (IA) evaluation</p> <ol style="list-style-type: none"> 1. Practical orientation on design thinking 2. Industrial visit and report 3. Class presentation 4. Online/Offline quizzes 5. Problem solving exercises 6. Case study 7. Participation in external seminars and workshops 8. Group discussions 9. Analysis of Industry / Technical reports 10. Industrial/Social / Rural projects 11. Industry integrated learning 12. Individual / Group assignments <ul style="list-style-type: none"> The assessment selection for the courses is decided in the course coordinators meeting. The process of selecting the

			assessment tools is ratified by Head of the Department / Board of Studies (BoS) chairman in the outset of academic session and maintained in the Program Assessment Committee (PAC)/Department Advisory Board (DAB) file.
		Threshold levels for attainment need improvement	<ul style="list-style-type: none"> In the beginning of academic session the course coordinator with Board of Studies (BoS) chairman decides the threshold levels for the offered courses with respect to the previous years' achievement, which is documented in the course coordinator MoM. Threshold level was defined based on three categories: Theoretical courses, Numerical courses and Practical oriented courses. Above points are considered while setting the threshold, thereafter attainment levels and final summary about the target setting are submitted to Program Advisory Committee (PAC). The incremental threshold achievements can be viewed through the visual representation provided in the course coordinator file.
2.3.	Any other observations of the NBA		
3.	Curriculum Design, if applicable		
3.1.	Process to identify the gap, if applicable and action taken thereof	Limited participation of industry in curriculum design	<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. Two new centers of excellence with the support of technology experts from industry, are established. (Automation anywhere-Robotic Process Automation and Brillio- data analytics) These labs are designed to be hubs of innovation, collaboration, and excellence, aiming to advance knowledge and practical applications in their designated domain.

			<p><u>Industry involvement in curriculum:</u></p> <ul style="list-style-type: none"> • The curriculum is designed with the help of industrial experts. • Based on the industry 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"> • Resource persons for guest lecture and expert lectures are taken from industry. • Number of Events conducted is increased in core subjects as well as in the latest trends in engineering. • The students are motivated to participate in Smart India Hackathons, Programming contests and project exhibitions conducted by industries and renowned institutions. • 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)	Weightage for industry internship is very low	<ul style="list-style-type: none"> • Weightage for industry internship is increased. • In the new 160 credit scheme (National Education Policy), the following summer internship details are formulated and disseminated through syllabus book:

			<table border="1"> <tr> <th>Semester</th><th>Duration</th><th>Credits</th><th>Evaluation</th></tr> <tr> <td>Vacation break of 2nd semester</td><td>3 weeks</td><td>2</td><td>At the end of 4th semester</td></tr> <tr> <td>Vacation break of 4th and 5th semester</td><td>4 weeks</td><td>3</td><td>At the end of 6th semester</td></tr> <tr> <td>8th semester</td><td>24 weeks</td><td>15</td><td>8th semester</td></tr> </table>	Semester	Duration	Credits	Evaluation	Vacation break of 2nd semester	3 weeks	2	At the end of 4 th semester	Vacation break of 4 th and 5 th semester	4 weeks	3	At the end of 6 th semester	8 th semester	24 weeks	15	8 th semester
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Vacation break of 4 th and 5 th semester	4 weeks	3	At the end of 6 th semester																
8 th semester	24 weeks	15	8 th semester																
		Compliance process for attainment needs to be improved	<ul style="list-style-type: none"> The curriculum revision is done annually based on the perception of other stakeholders. The guideline from UGC, AICTE, NBA and parent university (Visvesvaraya Technological University) are considered. This ensures that the attainment process compliances are maintained. 																
		Industry involvement in delivery of regular curriculum is very low.	<ul style="list-style-type: none"> In all semester and in all courses about 20% to 25% of syllabus is delivered by industry experts. Industry skill build courses like IBM digital badges, VMware digital badges, HCL sunshine based cyber security badges, AICTE metaverse, cyber hygiene practitioner, coursera subjects are mapped to curriculum. Hands-on experience in open elective lab is done through train the trainer program. Videos pertaining to curriculum are appropriately selected from TedX and made available to the students. 																
3.3.	Any other observations of the NBA	Student project quality and their relevance of PSO is good	<p>Students are encouraged to do good number of industry projects and the same is appreciated by NBA peer team.</p> <ul style="list-style-type: none"> Students are encouraged to participate in VTU project competitions and submit KSCST proposals. Industry projects are selected and forwarded to project competition and funding agencies. 																
		Student involvement in research activities and paper publishing needs improvement	<p>Measures Taken:</p> <ul style="list-style-type: none"> Students are encouraged to undergo inter disciplinary projects. Students are motivated to publish papers in IEEE/Scopus as part of 7th and 8th semester and maintained in 																

			<p>student publication file.</p> <ul style="list-style-type: none"> About 90% of final year students have published the paper in IEEE/Springer conferences and Scopus indexed journals. 												
		<p>Mechanisms for feedback analysis are not proper and no follow up.</p>	<ul style="list-style-type: none"> The following list of feedbacks are collected and maintained in the department, post the events <ul style="list-style-type: none"> * Workshop * Value Added Program * Seminars * Industrial Visit Analysis of the feedback helps to measure the impact of the program and predicts the future expectation from the stakeholders. 												
4	<p>Details of the Action taken on the Observation of NBA during last visit:</p>														
	<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> <p>Very low enrolment of students in higher studies and competitive exams like GATE, GRE etc.</p> </td> <td> <ul style="list-style-type: none"> Orientation programs for higher studies and competitive exams are arranged for students on regular basis. Good number of students have applied/acquired admission in top ranking universities abroad. Significant percentage of students have acquired admission in national universities of importance. </td> </tr> <tr> <td>2</td> <td> <p>Understanding of OBE needs to be enhanced among all stakeholders.</p> </td> <td> <ul style="list-style-type: none"> Mandatory workshop on OBE at department/institution level for CO/PO mapping and its attainment is organized for all stakeholders. At the commencement of every semester, Board of Studies (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. </td> </tr> </table>			Weakness / Areas of improvement				Observed during last visit	Action taken to overcome	1	<p>Very low enrolment of students in higher studies and competitive exams like GATE, GRE etc.</p>	<ul style="list-style-type: none"> Orientation programs for higher studies and competitive exams are arranged for students on regular basis. Good number of students have applied/acquired admission in top ranking universities abroad. Significant percentage of students have acquired admission in national universities of importance. 	2	<p>Understanding of OBE needs to be enhanced among all stakeholders.</p>	<ul style="list-style-type: none"> Mandatory workshop on OBE at department/institution level for CO/PO mapping and its attainment is organized for all stakeholders. At the commencement of every semester, Board of Studies (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.
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2	<p>Understanding of OBE needs to be enhanced among all stakeholders.</p>	<ul style="list-style-type: none"> Mandatory workshop on OBE at department/institution level for CO/PO mapping and its attainment is organized for all stakeholders. At the commencement of every semester, Board of Studies (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. 													

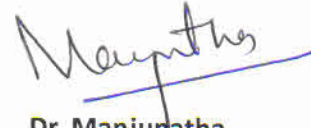
			<ul style="list-style-type: none"> • In addition, the faculty members present the syllabus during the classes, providing the insight of respective course outcomes. • Faculty members are encouraged to take up NPTEL courses on OBE. • During the induction program for the new faculty members, the importance of OBE is communicated.
	3	Student, Industry and Employer feedback questionnaire need to be reframed properly .	<ul style="list-style-type: none"> • The IQAC at college level has formulated the questionnaire by taking the feedback from Student, Industry and Employer.

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

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