



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU. Approved by AICTE & UGC.

Accredited by NAAC with 'A' Grade. Accredited by NBA

New Horizon Knowledge Park, Ring Road, Marathalli, Bangalore- 560103

Tel: 080-66297777 web: www.newhorizonindia.edu

17TH GOVERNING COUNCIL MEETING CONSOLIDATED AGENDA

2021-22

GOVERNING COUNCIL

DR MOHAN MANGHNANI

CHAIRMAN

MEMBERS

Mr. H N Surya Prakash	Registrar
Dr. R Bodhisatvan	Principal - NHC (M)
Dr. R J Anandhi	Dean - Academics
Dr. Sanjeev Sharma	Dean-QASDC
Dr. Vijilius H Raj	Controller of Examination
Prof. Gurucharan Singh	Executive Director – HRD
Dr. K N Subramanya	Principal, RVCE
Dr H Devaraj	Commission (UGC) Nominee
Sri. Sagar Nidavani	University (VTU) Nominee
Dr. T G Sitharam	Director & Professor, IIT-Guwahati
AICTE Nominee	Council (AICTE) Nominee
DTE Nominee	State Government Nominee
Dr. Manjunatha	Principal & Member Secretary

NEW HORIZON COLLEGE OF ENGINEERING

Consolidated Agenda

Of the 17th Governing Council Meeting

Date: 7th June 2022

Venue: Conference Hall, Chhatrapathi Shivaji Block

Time: 11.00 am

Section	Contents
1	PREVIOUS MEETING
1.1	Review and approval of Minutes of previous GCM
1.2	Action Taken Report on the 16th Governing Council Meeting held on 27th Sept 2021
2	ACADEMIC MATTERS
2.1	Review of VTU Affiliation Process for the year 2022-23
2.2	Review on continuation of autonomous status of UGC application
2.3	Review of proposed Minor Degree programs for AY 2022-23 onwards
2.4	Proposed Academic 2021 scheme for 160 credits for AY 2022-23
2.5	Autonomous Annual Report for AY 2020-21
2.6	Discussion on student feedback
2.7	Report on Graduation Day conducted AY 2020-21
2.8	Report on Result Analysis
2.9	Reconstitution of IQAC Cell
2.10	Report on Infrastructure Upgradation for AIML & CE and existing courses, if any
2.11	Report on Library Upgradation
2.12	Ratification of recruitment of faculty members
3	INFORMATION ITEMS
3.1	Report on NAAC 2nd Cycle Accreditation
3.2	Report on NIRF Ranking 2021
3.3	Report on ARIIA Ranking 2021
3.4	Report on preparation for NBA TierII Accreditation of UG Programs- AU, ISE, EEE, which is valid till 30.06.2022
3.5	Report on NIRF Ranking 2022- Benchmarks
3.6	Report on Start of new course- Computer Science & Engineering (Data Science) for Ay 2022-23
3.7	Report on Closure of courses- M.Tech- Cyber Security & M.Tech- Machine Design

3.8	AQAR Yearly Report Submission for 2020-21
3.9	Faculty Development Program conducted for faculty/ staff
3.10	Psychometric Tests for staff
3.11	Report Faculty enrolled for workshops/ seminars, paper published, MOOC
3.12	Report on in-house and external Conferences, Seminars conducted
4	OTHER ITEMS
4.1	Review of R & D Activities
4.2	Review of Placement Status, Centre of Excellence
4.3	Budget Plan for the year 2022-23
4.4	Report on Sports Achievements
4.5	Report on Co Curricular Activities
4.6	Report on Extra Curricular Activities
4.7	Report on Alumni Association Activities
4.8	Report on Entrepreneurship Development Cell & Incubation Cell Activities
4.9	Report on Students Achievements

1	PREVIOUS MEETING
1.1	Review and approval of Minutes of previous GCM
1.2	Action Taken Report on the 16th Governing Council Meeting held on 27th Sept 2021

Approval & Action Taken Report
for the Minutes of the 16th Governing
Council Meeting held on 27th
September 2021

**1.1 & 1.2 - Approval & Action Taken Report on the
16th Governing Council Meeting held on
27th Sept 2021**

Approval & Action Taken Report for the Minutes of the 16th Governing Council Meeting held on 27th September 2021

<p>Report and Recommendation of APPA 2021 - on Teaching and Non-Teaching Staff</p>	<p>Minutes, Recommendations of Governing Council and Supplementary to them were considered as per Contents of Events</p>
<p>Review and Recommendation of Appointments of Teaching and Non-Teaching Staff</p>	<p>Appointments of teaching and non-teaching staff for the year 2021-22 were done.</p> <p>A total of 51 teaching staff of different levels depending on the requirements of the department were appointed.</p> <p>One P.T. Non-Teaching position was assigned for the purpose of selection from</p> <p>All the appointments were notified and approved by the GC members.</p>
<p>APPD 2021</p>	<p>Panel A: Total Five</p> <ul style="list-style-type: none"> * 17 persons for 2021-22 * 23 persons for the year 2022 * 10 months term persons for Rs. 1,00,000/- per month (11/09/21) <p>Grants</p> <p>57 Sponsored Research Projects for Rs. 7.35 crores</p> <p>117 Consultancy Projects for Rs. 2.18 Crores (Reference: NHCE Website)</p>
<p>NBA Top 100 Institution Status</p>	<p>NBA Top 100 Washington Accord accreditation.</p> <p>Member Secretary presented the placement status of students in National & International companies for the year 2020-21 & 2021-22.</p> <p>All efforts are put in to further improve the placements in 2021.</p>
<p>Proposals for Awarded by the Government</p>	<ul style="list-style-type: none"> * All proposals were complete. * The Self Study Report (SSR) was presented to Government on 13/09/2021. * The Level Appraisal & Budgetary Control Statement were submitted to the Government by Email on 13/09/2021 and 15/09/2021 respectively.

Agenda	Agenda Head	Actions
1	Calendar of Events of the Academic Year 2021-22	Review and recording of minutes of previous meeting.
2	Review and Ratification of Appointments of Teaching and Non- Teaching Staff.	Events, Examinations of even semester and Supplementary exams were conducted as per Calendar of Events
3	Review and Ratification of Appointments of Teaching and Non- Teaching Staff.	<p>Appointments of teaching and non-Teaching staff for the Year 2021-22 were done.</p> <p>A total of 51 teaching staff at different levels depending on the requirement of the departments were appointed.</p> <p>One VTU Nominated member was assigned for the panel of selection board.</p> <p>All the appointments were ratified and approved by the GC members.</p>
4	R&D activities.	<p>Patents: Total Filed:</p> <ul style="list-style-type: none"> • 317 patents as of date • 83 patents filed for the year 2021. • Income from patents is Rs 1,83,75,000/- as on 21/01/2021. <p>Grants: 52 Sponsored Research Projects for Rs 7,85,99,314/- 112 Consultancy Project for Rs 1,18,80,000/-. (Reference: NHCE Website)</p>
5	NBA Tier-I	NBA Tier-I Washington Accord accreditation.
6	Placement status	<p>Member Secretary presented the placement status of students in National & International companies for the year 2020-21 & 2021-2022.</p> <p>All efforts are put to further improve the placements in 2022.</p>
7	Preparation for NAAC 2 nd cycle of certification.	<ul style="list-style-type: none"> • All preparations were completed. • Our Self Study Report (SSR) was prequalified for Assessment on 18.11.2021 • 2nd level payment & logistics advance payment along with Logistics details were submitted. • NAAC 2nd Cycle Peer Team Visit happened on 4th Jan 2022 and 5th Jan 2022 at our institute.

8	Preparation of AQAR.	<ul style="list-style-type: none"> • NAAC AQAR 2020-21 was submitted on 28.03.2021
9	Discussion on various statutory committees' proceedings	All the Statutory Committees are updated and Minutes of Meeting conducted as per schedules.
10	Feedback from stake holders	<p>Feedback from various stake holders such as</p> <ol style="list-style-type: none"> 1. Students, 2. Parents, 3. Alumni students, 4. Employers & Industries <p>for improving the system/subjects handled at various levels are taken and summary was submitted.</p>
11	Continuation of autonomous status UGC application	<ul style="list-style-type: none"> • We had submitted our proposal for extension of autonomous status to UGC and Affiliation Fee payment of Rs. 5.30,047 was done on 16.09.2021 to VTU. • Subsequently, on 09.02.2021, we received a letter from UGC that after examination of documents, that score sheets submitted by our institute was not attested by the Principal. The attested score sheets were sent to UGC on 09.02.2021. • On 24.03.2022, we sent a request letter to UGC to know the status of our application, for which official confirmation is awaited.
12	Annual Report	The VTU annual report was sent to VTU was reviewed by all the committee members and approved.
13	Entrepreneurship Development Cell (EDC) & startup activities	New Horizon Centre for Innovation Incubation and entrepreneurship is continuing to taking measures to encourage and promote entrepreneurship to the students & Faculty.
14	Graduation day	<p>On 09.10.2021, we organized Graduation Day for BE Programs for 2020 Batch in two batches: Morning Session (CSE, ISE, ME) & Afternoon session (AU, BT, CIV, ECE, EEE).</p> <p>Attended by: 720 Students & 1268 Parents. 72 Ranks were awarded across all BE Programs following the VTU guidelines.</p> <p>On 23.10.2021, we organized Graduation Day for BE</p>

Programs for 2021 Batch in two batches:
Morning Session (CSE, ISE, ME) & Afternoon session (AU, BT, CIV, ECE, EEE).

Attended by: 863 Students & 892 Parents.

66 Ranks were awarded across all BE Programs following the VTU guidelines.

On 13.11.2022, we organized PG Graduation Day for MBA/MCA / MTech Programs for 2020 & 2021 Batch.
Morning Session: Fifth (2021 batch) of MBA & MTech programs and fourth (2021 batch) of MCA Programs.
Afternoon session: Fourth (2020 batch) of MBA & MTech programs and third (2020 batch) of MCA Programs.

Attended by: 300 Students & 400 Parents. 22 Ranks were awarded across all PG Programs following the VTU guidelines.

2	ACADEMIC MATTERS
2.1	Review of VTU Affiliation Process for the year 2022-23
2.2	Review on continuation of autonomous status of UGC application
2.3	Review of proposed Minor Degree programs for AY 2022-23 onwards
2.4	Proposed Academic 2021 scheme for 160 credits for AY 2022-23
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2.11	Report on Library Upgradation
2.12	Ratification of recruitment of faculty members

Autonomous College, Approved by VTU, Approved by AICTE & UGC
Established by Government of Karnataka, Government of India
The Quality Assurance of Institutions Regulated under 2013 controlled by Government of Karnataka

2.1 Review of VTU Affiliation Process for the year 2022-23

As per the above, we are currently submitting application in 2022-23 for VTU New
Affiliation. The details of VTU New Affiliation process for the year 2022-23 are as follows:

Eligible Courses

1. B.Tech in Computer Science & Engineering (Data Science) (Intake from 2022)

Eligible Institutions of Affiliation

- 01 - Bachelor of Engineering in Computer Science
- 02 - Bachelor of Engineering in Information Science & Engineering
- 03 - Bachelor of Engineering in Artificial Intelligence and Machine Learning
- 04 - Bachelor of Engineering in Electrical and Electronic Engineering
- 05 - Bachelor of Engineering in Civil Engineering
- 06 - Master of Computer Applications
- 07 - Master of Business Administration
- 08 - Master of Technology in Computer Science & Engineering

Reduction in Intake

- 01 - Bachelor of Engineering in Mechanical Engineering (Reduction in intake from 120 to 60 seats)
- 02 - Bachelor of Engineering in Software Engineering (Reduction in intake from 120 to 60 seats)

Change in Intake

- 01 - Bachelor of Engineering in Artificial Intelligence and Machine Learning (Intake from 120 to 180 seats)



NEW HORIZON COLLEGE OF ENGINEERING

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The Trust is a recipient of prestigious Rajyotsava State Award 2012 conferred by Government of Karnataka

NHCE/VTU/082/2022
April 18, 2022

The Registrar
Visvesvaraya Technological University,
Bazana Sangama,
Belgaum - 590 018.

Sir,

Sub: Proposal for starting New Course / Extension/Continuation of Affiliation / Increase/Reduction in intake/ Closure of PG course for the Academic year 2022-23

Ref. No.: VTU/BGM/Affln-2022-23/2021-22/6271 dated 11.03.2022

With reference to the above, we are herewith submitting application in 2 sets for starting New Course / Extension/Continuation of Affiliation / Increase/Reduction in intake/ Closure of PG course for the Academic year 2022-23. The details are as follows:

- 1. New UG Course**
UG - Bachelor of Engineering in Computer Science & Engineering (Data Science) with an intake of 120 seats.
- 2. Extension/ Continuation of Affiliation -**
UG - Bachelor of Engineering in Computer Engineering
UG - Bachelor of Engineering in Information Science & Engineering
UG - Bachelor of Engineering in Artificial Intelligence and Machine Learning
UG - Bachelor of Engineering in Electrical and Electronics Engineering
UG - Bachelor of Engineering in Civil Engineering
PG - Master of Computer Applications
PG - Master of Business Administration
PG - Master of Technology in Computer Science & Engineering
- 3. Reduction in intake**
UG - Bachelor of Engineering in Mechanical Engineering (Reduction in intake from 120 to 60 seats)
UG - Bachelor of Engineering in Civil Engineering (Reduction in intake from 120 to 60 seats)
- 4. Increase in intake**
UG - Bachelor of Engineering in Artificial Intelligence and Machine Learning (Increase in Intake from 120 to 180 seats)

New Horizon Knowledge Park

Ring Road, Bellandur Post, Near Marathalli, Bangalore, India. Pin- 560103

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5. Closure of Course

PG - Master of Technology in Machine Design

PG - Master of Technology in Cyber Forensic and Information Security

6. Continuation of Supernumerary Quota (PIO) -

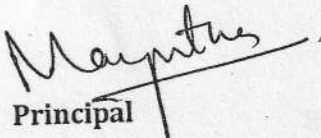
Bachelor of Engineering in Computer Science & Engineering, Computer Science & Engineering (Data Science), Electronics & Communication Engineering, Mechanical Engineering, Information Science & Engineering, Electrical & Electronics Engineering, Civil Engineering, Computer Engineering & Artificial Intelligence and Machine Learning.

An amount of Rs. 658500/- (Rupees Six Lakhs Fifty Eight Thousand Five Hundred only) including Research Centers has been paid for the above proposal through online on April 13, 2022 vide Reference No. DUI8566480.

We request your goodself to approve the above proposal for the Academic year 2022-23 & do the needful.

Thank you,

Yours faithfully,


Principal

AFFILIATION APPLICATION

Application Year: 2022-23

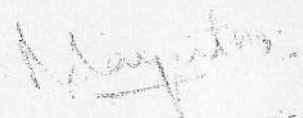
DETAILS OF PARENT ORGANIZATION

Name of the Trust/Society	NEW HORIZON EDUCATIONAL AND CULTURAL TRUST
Address of the Trust/Society	100 Feet Road, Indiranagar, Bengaluru - 560 038.
Town/City	Bengaluru
	Bengaluru Urban
	Bengaluru
	560038
	080
Phone Number	25261735
	-
	chairman@newhorizonindia.edu
	www.newhorizonindia.edu
Year of Establishment	1980
Registration Number	493
Registration Date	1980-05-08

M. Srinivas
Chairman
New Horizon College of Engineering
Ring Road, Bellandur Post,

INSTITUTION DETAILS

Name of the Institution	New Horizon College of Engineering
Address of the Institution	Ring Road, Kadubhisahalli, Bellandur Post, Near Marathalli, Bengaluru
Village/Town/City	Bengaluru
District	Bengaluru Urban
Taluk	Bengaluru
PIN	560103 /
STD Code	080
Land Line	66297777
Fax	-
E-mail Id	principal@newhorizonindia.edu
Website	www.newhorizonindia.edu
Year of Establishment	2001
First Approved By	VTU
Approved Date	2002-02-15
Year of the first affiliation to the University	2001
Type of Institution	Un-Aided Private
Minority Institute	Yes
Type of Minority	Linguistic
SC / ST Institute	No
Women Institute	No
Any Other	NAAC 'A' GRADE
Bank Account No.	484700078
Name of the Bank and Branch	Indian Bank, NHCE Extn.
IFSC Code	IDIB000N112
Address of the Branch	NHCE Campus, Kadubhisahalli, Bengaluru 560 103.
PAN Number	AAATN3061E
NAAC Status	A


 New Horizon College of Engineering
 Ring Road, Bellandur Post,
 Bangalore - 560 103

Autonomous College, Primarily Affiliated to VITU, Approved by AICTE & UGC,
Recognized by All India Council for Technical Education, Approved by AICTE
and is a member of Private Engineering Institutions since formed 2012 Certified by Department of Higher Education,
Government of Karnataka

Secretary (IC)
Quality Grants Commission
Ministry of Education, Govt. of India
New Delhi, India
110002

2022-2023

2.2 Review on continuation of autonomous status of UGC application

Letter No. UGC/2022/15 No. 175 (D)/2015 (A-1)
The letter dated 08/02/2022

The above mentioned letter, which contains the necessary details for the continuation of Autonomous Status of New Horizon College of Engineering, Bangalore.

The letter also contains an update regarding the status of the same institution and the UGC team visit to our institute for confirmation of extension of Autonomous Status.



NEW HORIZON COLLEGE OF ENGINEERING

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24.03.2022

Ms. Inderjit Kaur
The Under Secretary (AC)
University Grants Commission
Ministry of Education, Govt. of India
Bahadur Shah Zaffar Marg
New Delhi-110002

**Subject: Status of proposal for Extension of Autonomous Status to
New Horizon College of Engineering, Bengaluru.**

Reference: 1. UGC letter dated 04.02.2022 No. 2-75 (19)/2015 (AC).
2. Our letter dated 09.02.2022

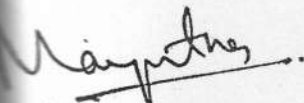
Respected Madam,

Further to the above subject and reference, we had submitted the necessary documents & duly attested score sheet by the undersigned for extension of Autonomous status of New Horizon College of Engineering, Bengaluru.

We would appreciate, if we could get an update regarding the status of the same and the prospective schedule of UGC team visit to our institute for conferment of extension of Autonomous Status.

Thanking you,

Yours Faithfully


Dr. Manjunatha
Principal

New Horizon Knowledge Park

Ring Road, Bellandur Post, Near Marathalli, Bangalore, India. Pin- 560103

☎ 080-66297777



www.newhorizonindia.edu



nhceoffice@newhorizonindia.edu



Sent thru speed post on 10/2/22
Ref. EK390398916LN
NEW HORIZON
COLLEGE OF ENGINEERING

Delvd

Autonomous College, Permanently Affiliated to VTU, Approved by AICTE & UGC
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Ms. Inderjit Kaur
The Under Secretary (AC)
University Grants Commission
Ministry of Education, Govt. of India
Bahadur Shah Zaffar Marg
New Delhi-110002

09.02.2022

Subject: Submission of duly attested score sheet for proposal for Extension of
Autonomous Status to New Horizon College of Engineering, Bengaluru.

Reference: UGC letter dated 04.02.2022 No. 2-75 (19)/2015 (AC).

Respected Madam,

Further to the above subject and reference, please find enclosed herewith the duly
attested score sheet by the undersigned.

This is for your needful and further action.

Thanking you,

Yours Faithfully

Dr. Manjunatha
Principal

New Horizon Knowledge Park

Ring Road, Bellandur Post, Near Marathalli, Bangalore, India. Pin- 560103

080-66297777

www.newhorizonindia.edu

Recd 01/02/2022



विश्वविद्यालय अनुदान आयोग
University Grants Commission
(शिक्षा मंत्रालय, भारत सरकार)
(Ministry of Education, Govt. of India)
बहादुर शाह जफर मार्ग, नई दिल्ली-110 002
Bahadur Shah Zaffar Marg,
New Delhi - 110002



SPEED POST

No. F. 2-75(19)/2015(AC)

January, 2022

04 FEB 2022

The Principal
New Horizon College of
Engineering,
Ring Road, New Marathalli,
Bengaluru,
Karnataka- 560 103.

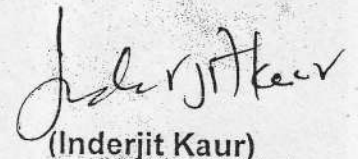
Sub: Proposal for Extension Autonomous Status – regarding

Sir/Madam,

This is with reference to the letter forwarded by Visvesvaraya Technological University on the subject mentioned above. I am directed to inform you that after examining the documents, it has been observed that copy of score sheet submitted by your College are not attested by the Principal.

Therefore, you are requested to submit the same duly attested by the Principal for further necessary action.

Yours faithfully,



(Inderjit Kaur)

Under Secretary (AC)



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

APPLICATION FOR EXTENSION OF AUTONOMOUS STATUS

Submitted to

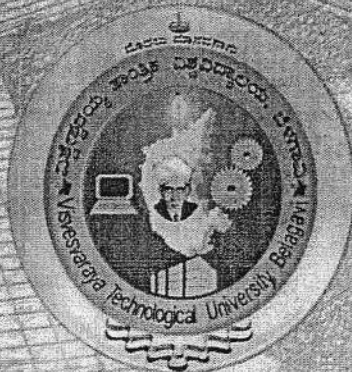
UNIVERSITY GRANTS COMMISSION
NEW DELHI



ज्ञान-विज्ञान विमुक्तये

Through

SVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI



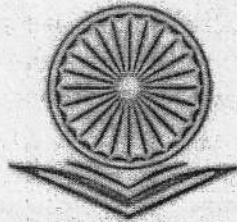


NEW HORIZON COLLEGE OF ENGINEERING

New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

Application for Extension of AUTONOMOUS STATUS

Submitted to



ज्ञान-विज्ञान विमुक्तये

UNIVERSITY GRANTS COMMISSION

NEW DELHI



Through

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI



Autonomous College, Permanently Affiliated to VTU, Approved by AICTE & UGC

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Date: 16/09/2021

Dr. Surender Singh
Joint Secretary
University Grants Commission (UGC)
Bahadur Shah Zafar Marg,
New Delhi-110002

Through,
The Registrar
Visvesvaraya Technological University,
Sangama, Belagavi, Karnataka 590018

Respected Sir,

Subject: Submission of Proposal for Extension of Autonomous Status to New Horizon College of Engineering, Bengaluru

New Horizon College of Engineering, Bengaluru was established in the year 2001. It is Approved by AICTE and permanently affiliated to Visvesvaraya Technological University (VTU), Belagavi. The Institute underwent NAAC Accreditation process in Cycle 1 and secured 'A' grade. The Institute has also submitted the Self Study Report (SSR) and DVV clarification in cycle 2 of NAAC accreditation. The Institute also underwent NBA accreditation process in the year 2021 and all the UG programs have been accredited. The details of the accreditation are mentioned below:

NAAC Accreditation:

Cycle	Grade	Grade Point	Validity Period
First	A	3.23 on four point scale	29/03/2016 to 28/03/2021
Second		Self Study Report (SSR) and DVV clarifications submitted to NAAC	

NBA Accreditation:

Programs Accredited	Marks obtained (out of 1000)	Validity Period
B.E in Automobile Engineering	692	up to 30/06/2022
B.E in Civil Engineering	730	up to 30/06/2024
B.E Computer Science & Engineering	702	up to 30/06/2024
B.E in Electronics & Communication Engineering	720	up to 30/06/2024
B.E in Electrical & Electronics Engineering	707	up to 30/06/2022
B.E in Information Science & Engineering	716	up to 30/06/2022
B.E in Mechanical Engineering	736	up to 30/06/2024

This is to inform you that the institution was granted autonomous status by the UGC for the period of six years i.e. 2016-2017 to 2021-2022.

The Institution is hereby submitting the application seeking extension of autonomous status for further period from the academic years 2022-2023 onwards. The prescribed fee of Rs.5,30,000.00 (Rupees Five Lakh Thirty Thousand Only) has been remitted to VTU through online payment vide reference no: DUG7439931 dated 16th September 2021 and the same is enclosed for your reference. It is earnestly requested to favorably consider the application and oblige.

Thanking you,

Yours Faithfully

Maayth
Principal

New Horizon Knowledge Park

New Horizon College of Engineering

Ring Road, Bellandur Post, Near Marathalli, Bangalore, India. Ring Road, Bellandur Post, Bangalore - 560 103



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA , , BELAGAVI-590018

Date: 16-Sep-2021

e-Receipt for State Bank Collect Payment

SBCollect Reference Number	DUG7439931
Bank Reference Number	CHH4675252
Category	-AFFILIATION FEE-AUTONOMOUS COLLEGE
COLLEGE NAME	NEW HORIZON COLLEGE OF ENGINEERING
CONTACT NO	9901916000
ZONE	ZONE -A-BANGLORE URBAN
OTHER	530000
Transaction charge	47.20
Total Amount (In Figures)	5,30,047.20
Total Amount (In Words)	Rupees Five Lakhs Thirty Thousand Forty Seven and Paise Twenty Only
Remarks	AUTONOMOUS RENEWAL FEE
Notification 1	FEE ONCE PAID WILL NOT BE REFUNDED UNDER ANY CIRCUMSTANCES
Notification 2	KINDLY VERIFY THE DATA ENTERED BEFORE FINAL SUBMISSION

State Bank Collect / State Bank Collect

State Bank Collect

16-Sep-2021 [01:46 PM IST]

Payment done successfully on 16-Sep-2021 01:46 PM IST

Payment Details :

SBCollect Reference Number

DUG7439931

Cheque Number

CHH4675252

Category

AFFILIATION FEE-AUTONOMOUS COLLEGE

COLLEGE NAME

NEW HORIZON COLLEGE OF ENGINEERING

CONTACT NO

9901916000

ZONE

ZONE -A-BANGLORE URBAN

OTHER

530000

Transaction Charge


INR 47.20

Total Amount

INR 5,30,047.20

Remarks

AUTONOMOUS RENEWAL FEE

 [Click here to view/download the e-Receipt](#)

[Return to State Bank Collect Home Page \(/sbicollect/collecthome.htm\)](#)

State Bank of India



NEW HORIZON COLLEGE OF ENGINEERING

New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

CONTENTS

Sl. No.	Particulars	Page No.
1.	Application for extension of Autonomous status	1
2.	Annexure-1 Letter from Visvesvaraya Technological University granting Affiliation status	8
3.	Annexure-2 Letter from UGC granting 2(f) status	13
4.	Annexure -3 Letter from UGC granting Autonomy	15
5.	Annexure -4 Accreditation Letter from NAAC	18
6.	Annexure -5 Accreditation letter from NBA	22
7.	Annexure -6 Courses/Programmes run by the Institute at the time of grant of autonomy	38
8.	Annexure -7 Teaching Learning methods adopted by the College	40
9.	Annexure -8 Examination reforms by the College	43
10.	Annexure -9 Full Bank Details-Mandate form	47
11.	Annexure-10 Names of the courses Modified, Stopped or Started	49



NEW HORIZON COLLEGE OF ENGINEERING

New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

APPLICATION FOR EXTENSION OF AUTONOMOUS STATUS


1.	Name and address of College	New Horizon College of Engineering Ring road, Near Marathalli, Bengaluru, Karnataka, 560103
2.	Contact details	Dr. Manjunatha, Principal, New Horizon College of Engineering, Bengaluru Phone No. 080-66297777 Mobile No. +91-9901916000 Email id: principal@newhorizonindia.edu
3.	Affiliating University	Visvesvaraya Technological University (VTU), Jnana Sangama, Machhe, Belagavi, Karnataka-590018 (Details enclosed in Annexure-1)
4.	Included in Section 2(f)	Yes (Details enclosed in Annexure-2)
5.	Included under 12 (B)	No
6.	Year of establishment of college	2001
7.	Period of autonomy	Autonomous status conferred vide letter no F.22-1/2017 (AC) From 2016-17 to 2021-22 (6 years) (Details enclosed in Annexure-3)
8.	Period of further autonomy requested	From 2022-23 onwards

9.	NAAC accreditation (enclose copy)	<p>Yes</p> <p>Cycle 1: Period of accreditation: 29/03/2016-28/03/2021 Grade: 'A' with CGPA of 3.23 on four point scale</p> <p>Cycle 2: NAAC Second cycle SSR and DVV clarification submitted</p> <p>(Details enclosed in Annexure-4)</p>
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10.	NBA accreditation (enclose copy)	<p>Yes</p> <p>Accredited Programmes</p> <ol style="list-style-type: none"> 1. B.E in Automobile Engineering 2. B.E in Civil Engineering 3. B.E Computer Science & Engineering 4. B.E in Electronics & Communication Engineering 5. B.E in Electrical & Electronics Engineering 6. B.E in Information Science & Engineering 7. B.E in Mechanical Engineering <p>Period of accreditation:</p> <table border="1" data-bbox="557 1228 1319 1940"> <thead> <tr> <th data-bbox="557 1228 1014 1293">Accredited Program</th> <th data-bbox="1014 1228 1319 1293">Validity</th> </tr> </thead> <tbody> <tr> <td data-bbox="557 1293 1014 1347">B.E in Automobile Engineering</td> <td data-bbox="1014 1293 1319 1347">up to 30/06/2022</td> </tr> <tr> <td data-bbox="557 1347 1014 1401">B.E in Civil Engineering</td> <td data-bbox="1014 1347 1319 1401">up to 30/06/2024</td> </tr> <tr> <td data-bbox="557 1401 1014 1519">B.E in Computer Science & Engineering</td> <td data-bbox="1014 1401 1319 1519">up to 30/06/2024</td> </tr> <tr> <td data-bbox="557 1519 1014 1638">B.E in Electronics & Communication Engineering</td> <td data-bbox="1014 1519 1319 1638">up to 30/06/2024</td> </tr> <tr> <td data-bbox="557 1638 1014 1757">B.E in Electrical & Electronics Engineering</td> <td data-bbox="1014 1638 1319 1757">up to 30/06/2022</td> </tr> <tr> <td data-bbox="557 1757 1014 1875">B. E in Information Science & Engineering</td> <td data-bbox="1014 1757 1319 1875">up to 30/06/2022</td> </tr> <tr> <td data-bbox="557 1875 1014 1940">B.E in Mechanical Engineering</td> <td data-bbox="1014 1875 1319 1940">up to 30/06/2024</td> </tr> </tbody> </table>	Accredited Program	Validity	B.E in Automobile Engineering	up to 30/06/2022	B.E in Civil Engineering	up to 30/06/2024	B.E in Computer Science & Engineering	up to 30/06/2024	B.E in Electronics & Communication Engineering	up to 30/06/2024	B.E in Electrical & Electronics Engineering	up to 30/06/2022	B. E in Information Science & Engineering	up to 30/06/2022	B.E in Mechanical Engineering	up to 30/06/2024
Accredited Program	Validity																	
B.E in Automobile Engineering	up to 30/06/2022																	
B.E in Civil Engineering	up to 30/06/2024																	
B.E in Computer Science & Engineering	up to 30/06/2024																	
B.E in Electronics & Communication Engineering	up to 30/06/2024																	
B.E in Electrical & Electronics Engineering	up to 30/06/2022																	
B. E in Information Science & Engineering	up to 30/06/2022																	
B.E in Mechanical Engineering	up to 30/06/2024																	

		Grade/Marks :	
		Accredited Program	Marks (out of 1000)
		B.E in Automobile Engineering	692
		B.E in Civil Engineering	730
		B.E in Computer Science & Engineering	702
		B.E in Electronics & Communication Engineering	720
		B.E in Electrical & Electronics Engineering	707
		B. E in Information Science & Engineering	716
		B.E in Mechanical Engineering	736
		(Details enclosed in Annexure-5)	
11.	Type of Institution/College (Govt./Private/Aid ed etc.)	Private	
12.	Whether College is self-financed	Yes	
13.	Whether proposal forwarded by affiliating university	Yes	
14.	Courses/Programmes run by the Institute at the time of grant of autonomy	(Details enclosed in Annexure-6)	
15.	New Courses/programmes added during the period of autonomy	02 new UG Programmes 1. BE in Computer Engineering (2021-22) 2. BE in AI & Machine Learning (2021-22) 01 new PG Programmes 1. M.Tech in Cyber Forensics & Information Security (2019-20)	

16.	Students strength	5652
17.	Intake of M.Phil/Ph.D. students per years	56
18.	Teaching Learning methods adopted by the College	(Details enclosed in Annexure-7)
19.	Examination reforms by the College	(Details enclosed in Annexure-8)
20.	Whether College website is available and information about courses, fee structure, faculty, admission procedure, infrastructure, research activities, details of Ph.D. students available on the website?	Yes https://newhorizonindia.edu/nhengineering/
21.	Status of utilization of grants	Not Applicable
22.	Full Bank Details (mandate form)	(Details enclosed in Annexure-9)


Principal
(Sign & Seal)

Principal

New Horizon College of Engineering
Ring Road, Bellandur Post,
Bangalore - 560 103

Registrar/Dean of the University
(Sign & Seal)



NEW HORIZON
COLLEGE OF ENGINEERING
 New Horizon Knowledge Park, Ring Road, Marathalli
 Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
 Accredited by NAAC with 'A' Grade, Accredited by NBA

PROGRESS REPORT OF COLLEGE (AUTONOMOUS)

(To be furnished in duplicate by the principal of the college)

Progress Report for the Academic Year 2020-21

Date when autonomy was first given by UGC: 28/02/2017 [letter no F.22-1/2017 (AC)]

Year in which last external evaluation was done

a. By managing society: 2020

b. By university: 2021-Local Inquiry Committee (LIC) visit on 27/07/2021 by Visvesvaraya Technological University (VTU)

Annual evaluation done by the college during the year under review: Yes

Number of courses modified, stopped or started during the year (Give names of courses):
 312

(Details enclosed in Annexure-10)

If external evaluation done during the year, attach report: NBA external audit from 16th April 2021 to 18th April, 2021

(Details enclosed in Annexure-5)

Progress of expenditure: Not Applicable since institute has not received funds from UGC

Item	Unutilized Grant available from Previous year	Grant received from UGC during the year	Expenditure during the year	Unspent balance	Remarks
Building					
Guest					
Faculty					
Orientation					

NEW HORIZON COLLEGE OF ENGINEERING

Department of Mechanical Engineering

MECHANICAL ENGINEERING DEPARTMENT

MECHANICAL ENGINEERING DEPARTMENT

MECHANICAL ENGINEERING DEPARTMENT

MECHANICAL ENGINEERING DEPARTMENT

**2.3 Review of proposed Minor Degree programs for
AY 2021-22 onwards**

MECHANICAL ENGINEERING DEPARTMENT

MECHANICAL ENGINEERING DEPARTMENT

MECHANICAL ENGINEERING DEPARTMENT

MECHANICAL ENGINEERING DEPARTMENT

MECHANICAL ENGINEERING DEPARTMENT

MECHANICAL ENGINEERING DEPARTMENT

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MECHANICAL ENGINEERING DEPARTMENT

MECHANICAL ENGINEERING DEPARTMENT

NEW HORIZON COLLEGE OF ENGINEERING

Draft proposal - List of minor degrees offered (AY :2022-2023 Onwards)

SL NO	OFFERING DEPT	MINOR DEGREE	DEPT WHO CAN PURSUE
01	AI & ML	Artificial Intelligence & Machine Learning	EEE, ECE, ME, CIVIL
02	CSE	Digital Marketing	ME, EEE, ECE, CIVIL, CE
03	ISE	Data Science	ME, EEE, CIVIL
04	AI & ML	Internet of Things (IOT)	ME, EEE, ECE, CIVIL
05	ECE	VLSI	ISE, CSE, EEE, ME, CIVIL, CE, AI & ML
06	MBA	Human Resource management	ISE, CSE, EEE, ME, CIVIL, CE, AI & ML, ECE
07	MBA	International Business Management	ISE, CSE, EEE, ME, CIVIL, CE, AI & ML, ECE
08	ME	Robotics & Automation	ISE, CSE, EEE, CE, AI & ML, ECE
09	CIV	Construction Practices & Management	ISE, CSE, EEE, CE, AI & ML, ECE, ME
10	ME	Electric Vehicle (EV)"	ISE, CSE, CIV, CE, AI & ML, ECE, ME

Minor Degree : AI&ML
Offered by Department of AI&ML

Sl. No	Course Code	Course	BoS	Credit Distribution				Total Credits	Contact Hours
				L	T	P	S		
1	21MDAIM51	Introduction to AI & Machine Learning	AI & ML	3	0	2	0	4	4
2	21MDAIM52	Introduction to Data Analytics	AI & ML	3	0	2	0	4	4
3	21MDAIM61	Deep Learning and Neural Network	AI & ML	3	0	2	0	4	4
4	21MDAIM62	Applications of AI	AI & ML	3	0	2	0	4	4
5	21MDAIM71	Capstone Project	AI & ML	0	0	2	0	2	4
Total				12	0	8	0	18	20

**Minor Degree : “Internet of Things (IoT)”
Offered by Department of AI&ML**

Course Code	Course	BoS	Credit Distribution				Total Credits	Contact Hours
			L	T	P	S		
AI&ML51	Introduction to Internet of Things	AI & ML	3	0	2	0	4	4
AI&ML52	Introduction to Security of Cyber Physical Systems	AI & ML	3	0	2	0	4	4
AI&ML61	Ubiquitous Sensing, Computing and Communication	AI & ML	3	0	2	0	4	4
AI&ML62	IoT with Arduino and Raspberry Pi	AI & ML	3	0	2	0	4	4
AI&ML71	Capstone Project	AI & ML	0	0	2	0	2	4
			12	0	8	0	18	20

Minor Degree :Digital Marketing
Offered by Department of Computer Science & Engineering

Sl. No	Course Code	Course	BoS	Credit Distribution				Total Credits	Contact Hours
				L	T	P	S		
1	21MDCSE51	Social Media Advertising And Evaluation Techniques	CSE	3	0	1	0	4	5
2	21MDCSE52	Digital Marketing Analytics And Search Engine Optimization	CSE	3	0	1	0	4	5
3	21MDCSE61	Digital Channels Deep Dive	CSE	3	0	1	0	4	5
4	21MDCSE62	Predictive Analytics In Marketing	CSE	3	0	1	0	4	5
5	21MDCSE71	Capstone Project	CSE	0	0	2	0	2	4
Total				12	0	6	0	18	24

Minor Degree :VLSI Design
Offered by Electronics and Communication Engineering

Sl No	Course Code	Course	BoS	Credit Distribution				Total Credits	Contact Hours
				L	T	P	S		
1	21MDECE51	Programmin g with Verilog	ECE	3	0	1	0	4	5
2	21MDECE52	Digital VLSI Design	ECE	3	0	1	0	4	5
3	21MDECE61	Analog VLSI Design	ECE	3	0	1	0	4	5
4	21MDECE62	Physical Design	ECE	2	0	1	0	3	4
5	21MDECE71	Technical Seminar	ECE	0	0	0	1	1	2
6	21MDECE72	Capstone Project	ECE	0	0	2	0	2	4
Total								18	25

Minor Degree :Data Science
Offered by Department of Information Science & Engineering

Sl. No	Course Code	Course	BoS	Credit Distribution				Total Credits	Contact Hours
				L	T	P	S		
1	21MDISE51	Mathematical Foundation For Data Science	ISE	2	1	0	0	3	4
2	21MDISE52	Fundamentals of Data Science	ISE	2	1	0	0	3	4
3	21MDISE61	Understanding Machine Learning: From Theory to Algorithms	ISE	2	1	0	0	3	4
4	21MDISE62	Python for Data Analysis	ISE	2	1	0	0	3	4
5	21MDISE71	Data Visualization	ISE	2	1	0	0	3	4
6	21MDISE72	Data Science Computation with Capstone Projects	ISE	2	1	0	0	3	4
Total				12	6	0	0	18	24

Minor Degree : Human Resource Management
Offering Department: Department Of Management Studies

Course Code	Course Title	BOS	Credit Distribution				Total Credits	Contact Hours
			L	T	P	S		
21MDMBA5 1	Strategic Human Resource Management	MBA	4	0	0	0	4	4
21MDMBA5 2	Compensation & Performance Management	MBA	4	0	0	0	4	4
21MDMBA6 1	Talent Acquisition & Management	MBA	4	0	0	0	4	4
21MDMBA6 2	Organization Development & Change Management	MBA	4	0	0	0	4	4
21MDMBA7 1	Capstone Project	MBA	0	0	2	0	2	2
Total			16	0	2	0	18	18

**Minor Degree : International Business Management
Offering Department: Department Of Management Studies**

Course Code	Course Title	BOS	Credit Distribution				Total Credits
			L	T	P	S	
21MDMBA51	International Sales & Marketing	MBA	4	0	0	0	4
21MDMBA52	Global Human Resource Management	MBA	4	0	0	0	4
21MDMBA61	International Trade Finance	MBA	4	0	0	0	4
21MDMBA62	Global Value Chain	MBA	4	0	0	0	4
21MDMBA71	Capstone Project	MBA	0	0	2	0	2
Total			16	0	2	0	18

**Minor Degree :“Robotics & Automation”
Offered by Mechanical Engineering**

S.NO	Course Code	Course	BoS	Credit Distribution				Total Credits	Contact Hours
				L	T	P	S		
1	21MDMEE51	Industrial Robotics	ME	2	1	0	0	3	4
2	21MDMEE52	. Computer Aided Manufacturing	ME	2	1	0	0	3	4
3	21MDMEE61	Bio cybernetics	CSE	2	1	0	0	3	4
4	21MDMEE62	Design of Robotic systems	ME	2	1	0	0	3	4
5	21MDMEE71	Digital Electronics And Microprocessors.	CSE/ ECE	2	1	0	0	3	4
6	21MDMEE72	Design of Robotic systems with Capstone Projects	ME	2	1	0	0	3	4
Total				12	6	0	0	18	24

**Minor Degree: Construction Practices & Management
Offered by Department of Civil Engineering**

Sl. No	Course Code	Course	BOS	Credit Distribution				Total Credits	Contact
				L	T	P	S		
1	21MDCIV51	Construction Management, Principles, Organisation	CIV	2	1	0	0	3	4
2	21MDCIV52	Construction Planning, Scheduling by various tools	CIV	2	0	1	0	3	4
3	21MDCIV61	Construction Equipments, Inspection and Quality Control & Public Works Accounts	CIV	2	1	0	0	3	4
4	21MDCIV62	Construction Labour, Labour Acts	CIV	2	1	0	0	3	4
5	21MDCIV71	Accidents and safety in sites	CIV	2	1	0	0	3	4
6	21MDCIV72	Application of Softwares used in construction projects such as BIM 360, Gantt pro, Pro core	CIV	0	0	3	0	3	6
Total				10	4	4	0	18	26

Minor Degree: "Electric Vehicle (EV)"
Offered by Department of Electrical & Electronics Engineering

Course Code	Course	BoS	Credit Distribution				Over All Credits	Contact Hours
			L	T	P	S		
21MDEEE51	Introduction to Electric Vehicle Technology	EEE	3 2	0 1	0	0	3	4
21MDEEE52	BMS & Energy Storage in Electric Vehicle	EEE	3	0	1	0	4	5
21MDEEE61	Electric Vehicle Design & Development	EEE	3	0	1	0	4	5
21MDEEE62	Automation in Electric Vehicles	EEE	3	0	1	0	4	5
21MDEEE71	Capstone Project	EEE	0	0	3	0	3	6
			12	0	6	0	18	25

**2.4 Proposed Academic 2021 scheme for 160 credits for
AY 2022-23**



**PROPOSED SCHEME
BE- PROGRAM (EEE)**

160 Credits

SCHEME AND CREDIT DISTRIBUTION

NEP-2022-2023

Proposed Course Wise credit Distribution

Sl. No	Course category	Courses Semester-wise								Total Subject	Credits
		I	II	III	IV	V	VI	VII	VIII		
1	Basic Science Courses	2	2	1	1					6	20
2	Basic Science Course Lab	1	1							2	2
3	Engineering Science Courses	3	3							6	18
4	Engineering Science Courses Lab	1	1							2	2
5	Humanity Social Science & Management Courses	2	2	2	2					8	8
6	Professional Core Courses			3	3	2	2			10	30
7	Professional Core Courses Lab			3	3	2	2			10	10
8	Professional Elective Courses					2	2	2	2	6	18
9	Open Elective(multidisciplinary) Course						1	2		3	09
10	Ability Enhancement Courses			1	1	2				4	08
11	Skill Courses (Mini Project)(Full Project)			1		1		1		3	14
12	Skill Courses (Internship)				1				1	3	20
13	Skill Course(Seminar)								1	1	1
14	Mandatory courses UGC/AICTE/UHV					1				1	0
Total											160

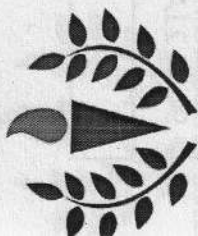
I Semester



NEW HORIZON
COLLEGE OF ENGINEERING



S. No	Course Code	Course	BoS	Credit Distribution				Overall Credits	Contact Hours	Marks		
				L	T	P	S			SEE	CIE	Total
1	21MAT11A	Applied Mathematics-I	AS	3	1	0	0	4	5	50	50	100
2	21CHE12A	Engineering Chemistry	AS	2	1	0	0	3	4	50	50	100
3	21CSE13A	Problem solving using Python	CSE	2	1	0	0	3	4	50	50	100
4	21MEE14A	Computer Aided Engineering Drawing	ME	2	0	1	0	3	4	50	50	100
5	21ECE15A	Basic Electronics	ECE	2	1	0	0	3	4	50	50	100
6	21CHL12A	Engineering Chemistry Lab	AS	0	0	1	0	1	2	50	50	100
7	21CSL13A	Problem solving using Python Lab	CSE	0	0	1	0	1	2	50	50	100
8	21AEC11A	Communicative English	HSS	0	0	1	0	1	2	50	50	100
9	21AEC13A	Political Science	HSS	1	0	0	0	1	1	50	50	100
		Total						20	28	450	450	900



II Semester



S. No	Course Code	Course	BoS	Credit Distribution				Overall Credits	Contact Hours	Marks		
				L	T	P	S			SEE	CIE	Total
1	21MAT21A	Applied Mathematics-II	AS	3	1	0	0	4	5	50	50	100
2	21PHY22A	Engineering Physics	AS	2	1	0	0	3	4	50	50	100
3	21MEE23A	Elements of Mechanical Engineering	ME	2	1	0	0	3	4	50	50	100
4	21CIV24A	Elements of Civil Engineering	CV	2	1	0	0	3	4	50	50	100
5	21EEE25A	Basic Electrical Engineering	EE	2	1	0	0	3	4	50	50	100
6	21PHL22A	Engineering Physics Lab	AS	0	0	1	0	1	2	50	50	100
7	21EEL25A	Basic Electrical Engineering Lab	EE	0	0	1	0	1	2	50	50	100
8	21AEC21A	Professional Writing Skills in English	HSS	0	0	1	0	1	2	50	50	100
9	21AEC22A	Entrepreneurship Development - I	MBA	1	0	0	0	1	1	50	50	100
Total								20	28	450	450	900

III Semester

S. No	Course Code	Course	BoS	Credit Distribution					Overall Credits	Contact Hours	Marks		
				L	T	P	S	CIE			SEE	Total	
1	21EEE31A	Applied Mathematics-III	AS	2	1	0	0	3	4	50	50	100	
2	21EEE322A	Digital system design using verilog	EEE	1	0	1	0	2	3	50	50	100	
3	21HSS332A/ 21HSS333A	Aadalitha Kannada / Vyavaharikha Kannada	HSS	1	0	0	0	1	1	50	50	100	
4	21HSS342A	Environmental Science	HSS	1	0	0	0	1	1	50	50	100	
5	21EEE35A	Analog and linear integrated circuits	EEE	2	1	0	0	3	4	50	50	100	
6	21EEE36A	Electric circuit theory	EEE	2	1	0	0	3	4	50	50	100	
7	21EEE37A	DC machines and transformers	EEE	2	1	0	0	3	4	50	50	100	
8	21EEL35A	Analog and linear integrated circuits Laboratory	EEE	0	0	1	0	1	2	50	50	100	
9	21EEL36A	Electric circuit theory Laboratory	EEE	0	0	1	0	1	2	50	50	100	
10	21EEL37A	DC machines and transformers Laboratory	EEE	0	0	1	0	1	2	50	50	100	
11	21EEE38A	Mini Project I	EEE	0	0	2	0	2	4	50	50	100	
Total								21	31	550	550	1100	



W HORIZON
COLLEGE OF ENGINEERING



NEEP



IV Semester



S. No	Course Code	Course	BoS	Credit Distribution					Overall Credits	Contact Hours	Marks		
				L	T	P	S	CIE			SEE	Total	
1	21EEE41A	Applied Mathematics-IV	AS	2	1	0	0	3	4	50	50	100	
2	21HSS421A	Life Skills for Engineering	HSS	1	0	1	0	2	3	50	50	100	
3	21HSS431A	Entrepreneurship Development -II	HSS	1	0	0	0	1	1	50	50	100	
4	21HSS441A	Constitution of India & Professional Ethics	HSS	1	0	0	0	1	1	50	50	100	
5	21EEE45A	Control systems	EEE	2	1	0	0	3	4	50	50	100	
6	21EEE46A	Synchronous and induction machines	EEE	2	1	0	0	3	4	50	50	100	
7	21EEE47A	Microcontroller and embedded systems	EEE	2	1	0	0	3	4	50	50	100	
8	21EEL45A	Control systems Laboratory	EEE	0	0	1	0	1	2	50	50	100	
9	21EEL46A	Synchronous and induction machines Laboratory	EEE	0	0	1	0	1	2	50	50	100	
10	21EEL47A	Microcontroller and embedded systems Laboratory	EEE	0	0	1	0	1	2	50	50	100	
11	21EEE48A	Summer Internship - I	EEE	0	0	0	2	2	0	50	50	100	
Total									27	550	550	1100	



LATERAL ENTRY STUDENTS



S. No	Course Code	Course	BoS	Credit Distribution					Overall Credits	Contact Hours	Marks		
				L	T	P	S	CIE			SEE	Total	
1	21DMAT31A	Basic Applied Mathematics - I	AS	0	0	0	0	0	2	50	50	100	
2	21DAEC40A	Communicative English	HSS	0	0	0	0	0	2	50	50	100	
3	21DMAT41A	Basic Applied Mathematics - II	AS	0	0	0	0	0	2	50	50	100	

V Semester

S. No	Course Code	Course	BoS	Credit Distribution				Overall Credits	Contact Hours	Marks		
				L	T	P	S			CIE	SEE	Total
1	21EEE51A	Transmission Distribution and protection	EEE	2	1	0	0	3	4	50	50	100
2	21EEE52A	Power electronics	EEE	2	1	0	0	3	4	50	50	100
3	21EEE53XA	Professional Elective Course-1	EEE	2	1	0	0	3	4	50	50	100
4	21EEE54XA	Professional Elective Course-2	EEE	2	1	0	0	3	4	50	50	100
5	21EEE55A	Research Methodology and Intellectual Property Rights (AEC)	EEE	2	0	0	0	2	2	50	50	100
6	21EEE56A	Domain Based AEC- Simulation tools in Electrical Engineering	EEE	2	0	0	0	2	2	50	50	100
7	21EEL51A	Power System & Protection Lab	EEE	0	0	1	0	1	2	50	50	100
8	21EEL52A	Power electronics Laboratory	EEE	0	0	1	0	1	2	50	50	100
9	21PED57A/ 67A	Physical Education	P.Ed	0	0	0	0	0	2	50	50	100
10	21EEE58A	Mini Project II	EEE	0	0	2	0	2	4	50	50	100
		Total						20	30	500/ 450	500/ 450	1000/ 900



V Semester



Professional Elective Course-1	
21EEE531A	Modern Communication Systems
21EEE532A	Signals and Systems
21EEE533A	Advanced Control Systems
21EEE534A	Object Oriented programming using C++ and JAVA

Professional Elective Course-2	
21EEE541A	Fiber Optic and Laser Instrumentation
21EEE542A	Virtual Instrumentation
21EEE543A	Industrial Automation
21EEE544A	Robotics and Automation

VI Semester

S. No	Course Code	Course	BoS	Credit Distribution				Overall Credits	Contact Hours	Marks		
				L	T	P	S			CIE	SEE	Total
1	21EEE61A	Power system analysis	EEE	2	1	0	0	3	4	50	50	100
2	21EEE62A	Advanced industrial and building automation	EEE	2	1	0	0	3	4	50	50	100
3	21EEE63XA	Professional Elective Course-3	EEE	2	1	0	0	3	4	50	50	100
4	21EEE64XA	Professional Elective Course-4	EEE	2	1	0	0	3	4	50	50	100
5	21EEE65A	Open Elective -1	EEE	2	1	0	0	3	4	50	50	100
6	21EEL61A	Power System Analysis Lab	EEE	0	0	1	0	1	2	50	50	100
7	21EEL62A	Advanced industrial and building automation Laboratory	EEE	0	0	1	0	1	2	50	50	100
8	21EEE66A	Summer Internship - II	EEE	0	0	0	3	3	0	50	50	100
9	21PED57A/ 67A	Physical Education	P.Ed	0	0	0	0	0	2	50	50	100
Total									26	400/ 450	400/ 450	800/ 900

VII Semester

S. No	Course Code	Course	BoS	Credit Distribution					Overall Credits	Contact Hours	Marks		
				L	T	P	S	SEE			CIE	Total	
1	21EEEE71XA	Professional Elective Course-5	EEE	2	1	0	0	3	4	50	50	100	
2	21EEEE72XA	Professional Elective Course-6	EEE	2	1	0	0	3	4	50	50	100	
3	21EEEE73A	Open Elective-2	EEE	2	0	1	0	3	3	50	50	100	
4	21EEEE74A	Open Elective - 3	EEE	2	0	1	0	3	3	50	50	100	
5	21EEEE76A	Project Work	EEE	0	0	10	0	10	20	200	200	400	
		Total							22	34	400	400	800



VIII Semester



S. No	Course Code	Course	BoS	Credit Distribution				Overall Credits	Contact Hours	Marks		
				L	T	P	S			SEE	CIE	Total
1	21EEE81A	Technical Seminar	EEE	0	1	0	0	1	2	50	50	100
2	21EEE82A	Research/ Industry Internship	EEE	0	0	0	15	15	-	200	200	400
		Total						16	2	250	250	500

*Research/ Industry Internship : To be evaluated on regular basis
Attendance certificate Mandatory for (24 weeks)Research/ Industry Internship

Number of Credits – Semester-wise

Sl. No	Semester	No of Credits
1	I Semester	20
2	II Semester	20
3	III Semester	21
4	IV Semester	21
5	V Semester	20
6	VI Semester	20
7	VII Semester	22
8	VIII Semester	16
Total		160

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Partnered with UGC, Approved by AICTE, India
Approved by NMAC, 2019. Affiliated by Anna
University, Chennai, India. 600 095, Madhavipuram, Tiruvallur, Tamil Nadu, India.

25 Autonomous Annual Report for AY 2020-21



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC

Accredited by NAAC with 'A' Grade, Accredited by NBA

New Horizon Knowledge Park, Ring Road, Bellandur Post, Bengaluru 560 103

ROFORMA FOR ANNUAL RETURN 2020-2021

CONTENTS

Sl.No	Particulars	Page
1	General	1
2	Details of Students Admission	2-4
3	Information on Curriculum	5-10
4	Information on Academic Calendar	11-12
5	Information on Students Performance semester wise and Programme wise	13-147
6	PG Vertical Progression	148-149
7	Certificate	150

General			
Name and address of the college	NEW HORIZON COLLEGE OF ENGINEERING Ring Road, Bellandur Post, Near Marathalli, Bangalore - 560103.		
Name of the Principal	Dr. Manjunatha		
E-Mail ID	principal@newhorizonindia.edu		
Tel. No.	Landline: 080-66297777, Mobile No: 9901916000		
Autonomy granted for : (Please tick mark, whichever applicable)	UG	PG	Ph.D.
	✓	✓	
Extent of Autonomy	First Cycle		
Programmes offered : (as per approved provisions)	UG : AU, AI&ML, CE, CIV, CSE, ECE, EEE, ISE, ME PG : MBA, MCA, M.Tech - MD, M.Tech - CSE, M.Tech - SFC		
New Programmes instituted during the year, if any:	1. Artificial Intelligence & Machine Learning 2. Computer Engineering		
Academic Year Covered	2020-21		
Date of the Return			

26 Discussion on student feedback

NEW HORIZON COLLEGE OF ENGINEERING

Student General Feedback-2021-22 Action taken report

Civil Engineering

Semester	Section	Student Remarks	Action in Place
VII	A	Late responsiveness of college regarding all the important notices	Class Teachers spontaneously circulate in the WhatsApp group of concerned class regarding every matter related to students interest
VII	B	Regarding the project of final year, they are forcing us to publish the review paper in some standard papers which needs a lot of efforts and work to get published but frankly saying we are not getting enough time to make it possible due lack of time it means when we start to do project work the internals will come and we need to prepare for that too.. and classes will be from morning 8 clock to evening 5 and it takes 2 to 3 hours to reach our home where we can't even think of doing project work in the because of tiredness so kindly we request you all that kindly go through this and make us feel comfortable and guide us to do work. And regarding the solid waste management we are not getting proper notes in this subject kindly make this happen and which will help in doing well in exams as well as future also. Thank you.	<p>a) In adherence to the policy of R&D department of our Institution, the students were informed regarding publication of project work.</p> <p>b) Class timings are as per the policy of the Institution.</p> <p>c) Solid waste management notes were circulated in the WhatsApp class group by the course co-ordinators.</p>
		No proper teaching staff all waste	Faculty members are sincerely taking the classes & laboratories and the comment seems to be an aberration.

Semester	Section	Student Remarks	Action in Place
III	B	Please fix the equipments in our both labs.	The equipments are serviced and calibrated in-house and new components are procured. All the lab-instructors are informed to check the components and equipments, before issuing them to students.
III	B	Our classroom did not have a black board, a projector and screen for half of the semester. Teachers had to manage with a small white board. And instead of a black board a smart board was available, but wasn't functional.	This happened for some time only during last semester when smart boards were being replaced. However, now 3 class rooms have been installed with smart boards which are working fine. All other class rooms have bigger green boards.
III	B	There's no projector screen at all and no proper projector...due to the projector itself there's a lot of time waste	As mentioned above, this happened during last semester for some time. Now, there is projector screen in all those class rooms wherever projector is present, and all projectors are working.
V	A	Lab facilities have to be improved. While having the lab session, system won't work properly, it should be improved.	In the case of Microprocessor lab, as the kits were compatible with the older version of Windows, we were still using old computer systems. However, for the 160 credits scheme, we are revising the syllabus for usage with MSP 430, and in accordance with the same, we will be updating the kits as well as the systems.
V	A	In labs, computers are not good.	As stated above, our Foreman is informed to prepare requisition for new computer systems.
V	B	Please increase the number of extra-curricular activities which should be given equal importance with academics which leads to overall development preferred by placement companies	We already have sufficient extra-curricular clubs in our campus, and there is enough encouragement of those activities. Increasing such activities will affect the academic performance of the students.

V	C	Better classroom infrastructures are required because the seating position is uncomfortable and projector setup is not good in the classrooms.	As far as the seating arrangement is concerned, inside the class rooms, all the benches have cushion. In the labs, there are good quality chairs, as all the damaged chairs are replaced. All of the projectors are working now, as mentioned above.
EEE			
Semester	Section	Student Remarks	Action in Place
III	A	Boy's toilets (EEE block) are not maintained properly ... it's very stinky. It's very suffocating inside.	Informed Mr. Krishnappa (Maintenance head) to maintain cleanliness always in Boys toilet
VII	A	Classroom projectors defected and not maintained, smart board was present earlier but now it's missing because of which our respective teachers face lots of difficulty in teaching.	<ol style="list-style-type: none"> 1. Smart Board re-fixed as per Institute guidelines (earlier in one room now in two rooms) 2. Through maintenance team, projectors are replaced and now in good & working condition
VII	A	<p>Classrooms - Have terrible and non working projectors which on turning on is causing lot of harm to eyes.</p> <p>Placement - Students should be given more opportunities and not just go with the double the package ideology as not always a student is looking for package but is actually for a good role in a good company.</p> <p>Washrooms - Not maintained properly.</p>	<ol style="list-style-type: none"> 1. Through maintenance team, projectors are replaced and now in good & working condition 2. Informed Mr. Krishnappa (Maintenance head) to maintain cleanliness always in Boys toilet

Information Science and Engineering

		Student Remarks	Action in Place
Semester V	Section A	<p>Mini Project Schedule is not followed and is delayed. No proper mentoring is conducted, leading to students being confused and directionless.</p> <p>Please create proper schedule as mini project is only being done at the end of the sem.</p> <p>Also please conduct proper mentoring. The mentoring period should be taken seriously.</p>	<ol style="list-style-type: none"> 1. Calendar of Events for the Mini Project is designed at the starting of the semester and shared with students well in advance at semester beginning. 2. Mini Project calendar is displayed at department display boards. 3. Display Profile (DP) of student groups is made as Mini Project Calendar of Events so that students have quick access and visibility to it. 4. Follow up of the mini project schedule happened as per the planned schedule. 5. Mentoring conducted during dedicated mentoring slots in Time Table and the faculties are monitored for mentoring activity. 6. Currently 23 student cases are elevated to second level counselling based on their attendance and performance during the initial month of the semester. 7.
Mechanical Engineering			
Semester	Section	Student Remarks	Action in Place
III	A	I request the accounts and admission department and hostel mess staff not to showoff themselves as they are providing everything. try to be polite and respectful to the students.	NA
V	A	Make new lab instruments in mechanical	Selected Students projects will be used in labs as products.
V	B	DME sir doing only part-1 in all 5 module due to lack of time, in a module there are 2 parts, part-A(20marks) and part-B(20marks). If we ask, sir said, "for self for sides, I do it". Many teachers do same thing for example in 3rd Sem mom sir, in 4th Sem fm sir, and in 5th Sem DME sir. Many I think "????", are we really studying for marks".	Discussed with concerned staff and students also.

VII	A	<p>All faculty members in ME Dept. are BEST, their way of teaching is really nice. They provide easy notes and real life examples which makes understanding the concepts really easy.</p> <p>Placement training provided was really helpful, was hoping for more Core companies but overall experience with placement Dept. is really amazing.</p> <p>THANK YOU.</p>	Discussed with placement department.
VII	B	Placement department is worst	Discussed with placement department.
VII	B	please improve class room facilities and please do replace faulty lab computers	-----
VII	B	Responsiveness from scholarship and the answer they give is too lame . Response from sir toward bus pass approval is so rude even if we didn't commit any mistake	Discussed with maintenance dept
VII	B	Any information with respect to circulars and VTU needs to be informed well in advance to the students in an official form. Not through a poorly worded WhatsApp message. And please treat students like humans and adults, and not try to dictate us. The amount of confusion caused before the 3rd corona wave was all because of how poorly the situation was handled by the management.	NA
VII	C	Any information with respect to circulars and VTU needs to be informed well in advance to the students in an official form. Not through a poorly worded WhatsApp message. And	NA

		<p>please treat students like humans and adults, and not try to dictate us.</p> <p>The amount of confusion caused before the 3rd corona wave was all because of how poorly the situation was handled by the management.</p> <p>For placements, we are getting mails for the opt-in only a few hours before the last date and time and we cannot check mails during class and opt in for the given company at the same time.</p> <p>Also, the placement opportunities for core companies, mechanical engineering are offering very less packages compared to other colleges even though they have the same level of rounds to get through.</p> <p>Please don't stop sending mails regarding interviews or opt ins for placed students if the company offers more package as some students like me still want to try for other companies that provide more packages. Thank you.</p>	
VII	C	Please improve the placements	-----
VII	C	We are expecting a lot of core (Mechanical) companies with different job role such as Design, Automobile,	Conveyed to placement department. And also matter is discussed in length about "core placements"

W HORIZON COLLEGE OF ENGINEERING

Consolidated List of Graduated Students for the A.Y. 2020-21

(After Supplementary Exam Oct 2021)

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2.7 Report on Graduation Day conducted AY 2020-21

NEW HORIZON COLLEGE OF ENGINEERING

Consolidated List of Graduated Students for the A.Y:2020-21

(After Supplementary Exam Oct 2021)

Branch	Total No of Students Graduated
Automobile Engineering	73
Computer Science & Engineering	234
Civil Engineering	145
Electronics & Communication Engineering	226
Electrical & Electronics Engineering	123
Information Science & Engineering	137
Mechanical Engineering	183
Master of Computer Applications	104
Master of Business Administration	171
M.Tech-MMD	7
M.Tech-SCS	3
M.Tech-SFC	4
Total	1410

NEW HORIZON COLLEGE OF ENGINEERING

Rank List AY 2017-2021		
Sl.No	Branch	No.of Rank
1	AU	6
2	CS	10
3	CV	10
4	EC	10
5	EE	10
6	IS	10
7	ME	10
8	MCA	10
9	MBA	10
10	M.Tech	2

2.8 Report on Result Analysis

PG II/IV/VI Semester Result Analysis for the Academic Year 2020-21

Branch	No. of Students Registered	FCD	FC	SC	Pass Class	No. of students Passed	F Grade	Pass %
MCA								
MCA II	119	96	20	0	0	116	3	97.48%
MCA IV	101	67	22	1	0	90	11	89.11%
MCA VI	105	103	2	0	0	105	0	100.00%
MBA								
MBA II	180	121	50	5	1	177	3	98.33%
MBA IV	179	128	37	0	0	165	14	92.18%
M.Tech								
SFS II	5	5	0	0	0	5	0	100.00%
SFS IV	4	4	0	0	0	4	0	100.00%
SCS II	10	10	0	0	0	10	0	100.00%
SCS IV	4	3	0	0	0	3	1	75.00%
MMD II	6	6	0	0	0	6	0	100.00%
MMD IV	6	6	0	0	0	6	0	100.00%

Controller of Examination

Principal

August-2021 Semester End Examination

OFFICE OF THE CONTROLLER OF EXAMINATIONS

B.E.IV Semester Result Analysis for the Academic Year 2020-21

Branch	No.of Students Registered	FCD	FC	SC	Pass Class	No. of students Passed	F Grade	Pass %
AU	67	25	19	11	6	61	6	91.04%
CS	349	236	52	19	7	314	35	89.97%
CV	137	58	40	9	2	109	28	79.56%
EC	237	162	51	3	1	217	20	91.56%
EIE	114	67	25	5	2	99	15	86.84%
IS	246	163	47	11	1	222	24	90.24%
MIE	173	97	34	11	4	146	27	84.39%
Over all	1323	808	268	69	23	1168	155	88.28%

Controller of Examinations

Principal

NEW HORIZON COLLEGE OF ENGINEERING
 Autonomous College affiliated to VTU, Accredited by NAAC with 'A' Grade & NBA

August-2021 Semester End Examination

OFFICE OF THE CONTROLLER OF EXAMINATIONS
 B.E.VI Semester Result Analysis for the Academic Year 2020-21

Branch	No. of Students Registered	FCD	FC	SC	Pass Class	No. of students Passed	F Grade	Pass %
AU	65	28	20	8	5	61	4	93.85%
CV	162	98	36	15	2	151	11	93.21%
cs	308	237	47	9	2	295	13	95.78%
EC	211	124	51	15	3	193	18	91.47%
EE	115	95	15	2	0	112	3	97.39%
IS	149	110	27	6	0	143	6	95.97%
ME	194	115	50	17	3	185	9	95.36%
Over all	1204	807	246	72	15	1140	64	94.68%

Controller of Examination

Principal

August-2021 Semester End Examination

OFFICE OF THE CONTROLLER OF EXAMINATIONS
 B.E.VIII Semester Result Analysis for the Academic Year 2020-21

Branch	No. of Students Registered	FCD	FC	SC	Pass Class	No. of students Passed	F Grade	Pass %
AU	78	67	6	0	0	73	5	93.59%
CS	242	209	8	0	0	217	25	89.67%
CV	157	141	3	0	0	144	13	91.72%
EC	233	225	0	0	0	225	8	96.57%
EE	129	125	0	0	0	125	4	96.90%
IS	147	142	1	0	0	143	4	97.28%
ME	201	187	0	0	0	187	14	93.03%
Over all	1187	1096	18	0	0	1114	73	93.85%

Controller of Examination

Principal

OFFICE OF THE CONTROLLER OF EXAMINATIONS

August-2021 Semester End Examination
B.E. II Semester Result Analysis for the Academic Year 2020-21

CHEMISTRY CYCLE

Branch	No. of Students Registered	FCD	FC	SC	Pass Class	F Grade	No. of students Passed	Pass %
AI	123	91	22	7	1	2	121	98.37%
AUT	36	10	10	4	10	2	34	94.44%
CSE	259	186	52	17	1	3	256	98.84%
CE	63	44	7	5	4	3	60	95.24%
CIV	87	22	32	20	9	4	83	95.40%
ECE	6	4	1	1	0	0	6	100.00%
EEE	24	10	8	2	0	4	20	83.33%
MEE	26	15	9	2	0	0	26	100.00%
Over all	624	382	141	58	25	18	606	97.12%

Controller of Examination

Principal

OFFICE OF THE CONTROLLER OF EXAMINATIONS
August-2021 Semester End Examination

B.E. II Semester Result Analysis for the Academic Year 2020-21

PHYSICS CYCLE

Branch	Total No. of Students	FCD	FC	SC	Pass Class	F Grade	No. of students Passed	Pass %
CIV	8	4	1	2	0	1	7	87.50%
ECE	184	129	34	15	4	2	182	98.91%
ISE	190	140	33	4	4	2	181	95.26%
EEE	105	66	25	11	0	3	102	97.14%
MEE	95	30	33	16	11	5	90	94.74%
Over all	582	369	126	48	19	13	562	96.56%

Controller of Examination

Principal

NEW HORIZON COLLEGE OF ENGINEERING

August-2021 Semester End Examination

B.E II Semester OVERALL Result Analysis for the Academic Year 2020-21

	TOTAL	F ^F Grade	FCD	FC	SC	Pass Class	No. of students Passed	Pass %
CHEMISTRY CYCLE	624	18	382	141	58	25	606	97.12%
PHYSICS CYCLE	582	20	369	126	48	19	562	96.56%
Overall	1206	38	751	267	106	44	1168	96.85%

Controller of Examination

Principal

OFFICE OF THE CONTROLLER OF EXAMINATIONS

August-2021 Semester End Examination

Branchwise Result Analysis of II Semester

Academic Year :2020-21

Semester : II

Branch	Total No. of Students	FCD	FC	SC	Pass Class	F Grade	No. of students Passed	Pass %
AI	123	91	22	7	1	2	121	98.37%
AUT	36	10	10	4	10	2	34	94.44%
CE	63	44	7	5	4	3	60	95.24%
CIV	95	26	33	22	9	5	90	94.74%
CSE	259	186	52	17	1	3	256	98.84%
ECE	190	133	35	16	4	2	188	98.95%
EEE	129	76	33	13	0	7	122	94.57%
ISE	190	140	33	4	4	9	181	95.26%
MEE	121	45	42	18	11	5	116	95.87%
Over all	1206	751	267	106	44	38	1168	96.85%

Controller of Examination

Principal

NEW HORIZON COLLEGE OF ENGINEERING

Internal Quality Assurance Cell

Reconstitution of IQAC Cell

Members 2022-2023

S.No.	Name of the member	Designation	Position
1.	Dr. Manjunatha	Principal	Chairman
2.	Prof. S.B. Kandagal	Professor, Department of Aerospace Engineering, IISC Bangalore	Expert Member
3.	Prof.Chandramouli P.	Professor, IIT Madras, Chennai	Expert Member
4.	Prof. Balaji Prathasarathy	Professor, International Institute of Information Technology – IIIT Bangalore	Expert Member
5.	Mr.H.N. Surya Praksh	Registrar	Member
6.	Dr.Anandhi R.J.	Dean -Academics & HoD-ISE	Member
7.	Dr.Anitha S. Rai	Dean – Library & Alumni Relation	Member
8.	Dr.Siddesh G.K.	Head R & D	Member
9.	Dr.Revathi V.	HoD - Physics	Member
10.	Dr.B.Rajalakshmi	HoD - CSE	Member
11.	Dr.Aravinda K.	HoD - ECE	Member
12.	Dr.Sheelan Misra	HoD - MBA	Member
13.	Dr.Sowmya Narayanan	HoD – Center for Life Skills and Lifelong Learning	Member
14.	Dr.Niranjan P.S.	HoD - CE	Member
15.	Dr.Gurulakshmi	Associate Professor, ECE	Member
16.	Dr.Sanjeev Sharma	Dean - QASDC	Member Secretary
17.	Mr. Sourav Naryan Biswas	Program Manager, Talent Acquisition, Capgemini India	Stakeholder & Employer
18.	Mr.Sijio Mathew Varghese	Co – Founder, Overnight Ventures	Alumni
19.	Mr.Bharathdeep	Department of ECE, NHCE	Student Nominee

IQAC Coordinator

Chairman

New Horizon College of Engineering

Internal Quality Assurance Cell

Members 2021-2022

Sl No.	Name of the member	Designation	Position
1	Dr. Manjunatha	Principal	Chairman
2	Dr. Girija N Srinivasalu	Director - NHQASDC	Member
3	Mr.H.N. Surya Praksh	Registrar	Member
4	Dr.Amarjeet Singh	Dean -Academics	Member
5	Dr.Anitha S. Rai	Dean - Library & Alumni Relation	Member
6	Dr.Revathi V.	HoD - Physics	Member
7	Dr. Anandhi R J	HoD - ISE	Member
8	Dr.Sanjeev Sharma	HoD - ECE	Member
9	Dr.SheelanMisra	HoD - MBA	Member
10	Dr.Sowmya Narayanan	HoD - Center for Life Skills and Lifelong Learning	Member
11	Dr.Niranjan P.S.	HoD - CE	Member
12	Mr.Puneeth H V	Sr. Asst. Professor, ME	Member
13	Dr.B.Rajalakshmi	HoD - CSE	Member Secretary
14	Mr. SouravNaryan Biswas	Program Manager, Talent Acquisition, Capgemini India	Stakeholder & Employer
15	Mr.Sijio Mathew Varghese	Co - Founder, Overnight Ventures	Alumni
16	Mr.Bharathdeep	Department of ECE, NHCE	Student Nominee

Manjunatha
Chairman

NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER ENGINEERING

INFRASTRUCTURE REQUIREMENTS FOR ODS SEMINAR

1.0 INTRODUCTION

2.10 Report on Infrastructure Upgradation for AIML & CE and existing courses, if any



NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER ENGINEERING

INFRASTRUCTURE REQUIREMENTS FOR ODD SEM 2022-23

List of requirements

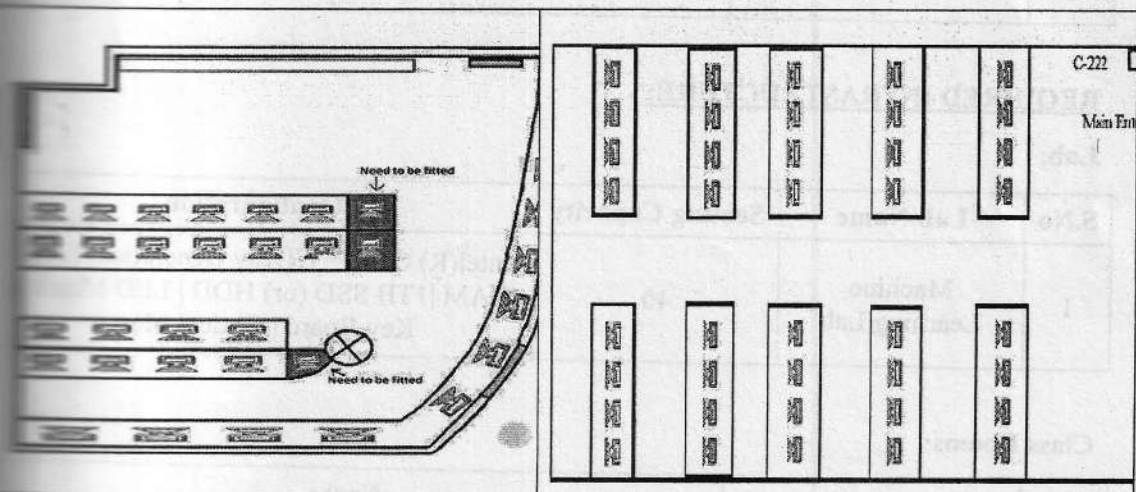
In DBMS Lab we have a total of 32 systems, but to fulfill and to accommodate a strength of 35 students in a batch, we have to extend the infrastructure facility as shown in the layout1. (highlighted in Red color)

We require one more computer lab for Next year students. Hence, we have identified the classroom no C-222, which shall be converted in to computer lab with a total of 40 nos of computer systems. The layout of the new proposed upcoming lab is also shown as Layout 2.

We require Smart board for the Class room no C-221, DBMS Lab C-223 and for the proposed new Lab. (Otherwise the Lab premises shall be provided with Mobile Projector)

We require Air conditioning facilities for the existing lab and proposed new lab.

Storage room is hardly required to keep old documents like (Blue book, Practical Records and assignment).



Layout 1: Existing Lab – C-223

Layout 2: Proposed Lab – C-222

NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING INFRASTRUCTURE REQUIREMENTS FOR ODD SEMESTER 2022-23

AVAILABLE INFRASTRUCTURE:

Labs:

S.No	Lab Name	Seating Capacity	Configuration
1	IBM - Open Power Lab	59	Intel(R) Core™ i3-3200 CPU @3.30 GHz 8GB RAM 500GB HDD 21.5" ViewSonic LCD Monitor Key Board Optical Mouse
2	Altair – Data Science Lab	40	Intel(R) Core™ i7-8700 CPU @3.20GHz 3.19GHz 16GB RAM 1TB HDD 18.5" LG LCD Monitor Key Board Optical Mouse

Class Rooms:

S.No	Count	Name
1	3	A004, A005, A006

REQUIRED INFRASTRUCTURE:

Lab:

S.No	Lab Name	Seating Capacity	Configuration
1	Machine Learning Lab	40	Intel(R) Core™ i7(Any Generation) 16GB RAM 1TB SSD (or) HDD LED Monitor Key Board Optical Mouse

Class Rooms:

S.No	Count	Name
1	2	

NEW HORIZON COLLEGE OF ENGINEERING

REPORT ON LIBRARY UPGRADATION

211 Report on Library Upgradation

NEW HORIZON COLLEGE OF ENGINEERING

REPORT ON LIBRARY UPGRADATION 2021-22

The New Horizon College of Engineering Library is a resource center for teaching, learning & research. Being the heart of the academic center, it is home for all the information services. It plays a proactive role in enabling access to information resources of all kind and providing innovative, responsive and effective services to meet the changing needs of the academic community.

The major objective of our library is to provide authentic information to the student at any given point of time. The library is spread over two floors with 605 seating capacity, state of art digital library, ID-Card Center, Video Conference Room, Online class room with recording facility, Students Discussion Rooms, Faculty Discussion Room, and Books & Stationery shops are available in the Ground Floor and Stack Area, Reference Section, Circulation Counter, OPAC Search, Journals/Magazines and Newspaper Sections are made available at the Lower Level of the library building. The library holds a hybrid collection of printed as well as electronic resources which include books, journals, databases, CDs/DVDs, e-books, e-journals, reports, course materials, previous years question papers, bound volumes, project reports, case studies, conference proceedings, etc. Currently, library holds over 47418 volumes, 40 print journals, provides access to electronic resources, newspapers and business magazines, and 4253 multimedia resources, and also has institutional membership of VTU Consortium, DELNET, ISTE, CSI, IETE, and IEL.

The NHCE library not only holds the above-mentioned facilities but it tries to upgrade its library every year. The below mentioned facilities has been upgraded by the NHCE Library in the year 2021-22:

- 1. Migrated Library Management Software from Local version to Web Version:** The NHCE Library used to use Easylib Library Management Software which was a local version. In 2021 the library management decided to upgrade the software and migrated to web version Contineo ERP software. Contineo's innovative design philosophy provides users unprecedented power and control over processes through time and context aware dashboards held together in a clean, uncluttered, intuitive interface. It is very user friendly and easy to access. Students and faculty members can access our library anytime from anywhere.
- 2. Dspace (Institution Repository) has been upgraded to new version:** DSpace preserves our digital work over the long term. It provides a way to manage our research and scanned materials in a professionally maintained repository to give the users greater visibility and accessibility over time. Keeping this in mind NHCE library upgraded DSpace from 5.0 to 6.7 which is an updated version with various new features and specifications. It is more user friendly than the older version.

3. **NDLI Events:** NDLI Club Events are conducted to facilitate students to develop knowledge skill and traits beyond regular curriculum which are essential for their progression in respective professional domain. The events may be either physical or virtual. Virtual events are web-based and are conducted through the NDLI Club portal. The events are organized at respective institute level or city/district/state/regional level or all-India level. In 2021 NHCE Library took the initiative and organized Awareness Program on NDLI for students on 19.07.2021 to give an overview on the NDLI Events. The below listed events were conducted by the NHCE Library in the year 2021:

Sl. No.	Name of the Event	Date of the Event
1.	Awareness Program on NDLI for (E& T)	19.07.2021
2.	Awareness Program on NDLI for (M& T)	08.09.2021
3.	NDLI Online Quiz	16.11.2021
4.	NDLI Debate	02.12.2021
5.	NDLI Go Fish	16.12.2021
6.	NDLI Film Screening	30.12.2021
7.	NDLI Draw	13.01.2022
8.	NDLI Write On	27.01.2022
9.	NDLI Lecture Series	10.02.2022
10.	NDLI Role Play	24.02.2022
11.	NDLI Makerspace	10.03.2022

4. **Access to E-Resources:** The NHCE Library subscribes to the Electronic Resources through VTU Consortium. In the year 2021 NHCE Library has procured Knimbus Digital Library software, through which the Faculty Members, Students and Staff to seamlessly access the subscribed scholarly electronic resources from outside the Institute campus. Username and Password have been provided to all the Faculty Members, Students and Staff to access the resources 24/7 through Identity Providers.
5. **mLibrary- Mobile App:** To maintain the uniformity across the platforms and providing the same range of services available on our website, we have developed an android app "MLibrary" with some of Native android functionality for making our services handier to access.
6. **6. Social Media:** We have created a NHCE Library face book page in which students can see Library facilities and services and news updating on regular basis.

NEW HORIZON COLLEGE OF ENGINEERING

Following the short listed candidates (from the files) of the Departments and the Technical candidates have been selected for the year 2021-22.

Name	Department	Qualification	Grade
Dr. S. S. S. S.	Law Institute	LLM	2021-22
Dr. S. S. S. S.	Law Institute	LLM	2021-22
Dr. S. S. S. S.	Law Institute	LLM	2021-22
Dr. S. S. S. S.	Law Institute	LLM	2021-22
Dr. S. S. S. S.	Law Institute	LLM	2021-22
Dr. S. S. S. S.	Law Institute	LLM	2021-22
Dr. S. S. S. S.	Law Institute	LLM	2021-22
Dr. S. S. S. S.	Law Institute	LLM	2021-22
Dr. S. S. S. S.	Law Institute	LLM	2021-22
Dr. S. S. S. S.	Law Institute	LLM	2021-22

2.12 Ratification of recruitment of faculty members

NEW HORIZON COLLEGE OF ENGINEERING

After obtaining the short listed candidates from the Head of the Departments, the following Technical candidates have been selected for the year 2021-22

S.No.	Name	Designation	Department	DoJ
1	Mr. Sanjay Kumar	Lab Instructor	MCA	29.10.2021
2	Mr Puneeth H C	Lab Instructor	AIML	01-12-2021
3	Mr Ganesh Vaggar	Lab Instructor	ECE	30-12-2021
4	Mr Mohana	Lab Instructor	CSE	14-02-2022
5	Mr Mahesha	Lab Instructor	MCA	21-02-2022
6	Ms Sindhura	Lab Instructor	ISE	03-03-2022
7	Ms Moumita Paul	Lab Instructor	ECE	21-03-2022
8	Mr Vijaya Kumar	Lab Instructor	CE	04-04-2022
9	Ms Poorva Ashok Megur	Lab Instructor	EEE	18-04-2022

NEW HORIZON COLLEGE OF ENGINEERING

After obtaining the short listed candidates from the Head of the Departments, the following Teaching candidates have been selected for the year 2021-22

S. No.	Name	Designation	Dept	DoJ
1	Mr Karthick Myilvahanan J	Assistant Professor	ISE	21-12-2021
2	Ms Krishnaveni A	Assistant Professor	ISE	03-01-2022
3	Mr Manikanda Kumar M	Assistant Professor	CSE	03-01-2022
4	Ms. Priya Arokiyarnary	Assistant Professor	Maths	03-01-2022
5	Mr. Mahantesh K.M	Assistant Professor	CSE	10-01-2022
6	Ms Priya T V	Assistant Professor	CSE	02-03-2022
7	Dr Senthamarai Kannan	Professor	ISE	02-03-2022
8	Dr Sreejit Panicker	Associate Professor	AIML	14-03-2022
9	Ms Bhawna Khoker	Assistant Professor	ECE	14-03-2022
10	Ms Ishita Deb	Assistant Professor	ECE	21-03-2022
11	Mr Nithin Kumar	Assistant Professor	ECE	28-03-2022
12	Mr Ajay Sudhir Bale	Assistant Professor	ECE	04-04-2022
13	Ms Nirmala M	Associate Professor	CSE	08-04-2022
14	Ms Poornima G S	Assistant Professor	Chemistry	16-05-2022
15	Ms. Shruthi S	Assistant Professor	AI&ML	18-05-2022
16	Dr. Jerald Prasath G	Associate Professor	ISE	23-05-2022

3	INFORMATION ITEMS
31	Report on NAAC 2nd Cycle Accreditation
32	Report on NIRF Ranking 2021
33	Report on ARIIA Ranking 2021
34	Report on preparation for NBA TierII Accreditation of UG Programs- AU, ISE, EEE, which is valid till 30.06.2022
35	Report on NIRF Ranking 2022- Benchmarks
36	Report on Start of new course- Computer Science & Engineering (Data Science) for Ay 2022-23
37	Report on Closure of courses- M.Tech- Cyber Security & M.Tech- Machine Design
38	AQAR Yearly Report Submission for 2020-21
39	Faculty Development Program conducted for faculty/ staff
310	Psychometric Tests for staff
311	Report Faculty enrolled for workshops/ seminars, paper published, MOOC
312	Report on in-house and external Conferences, Seminars conducted

3.1 Report on NAAC 2nd Cycle Accreditation

Criteria Key Indicators (KIs)		Metric	Score NHC E	Weightage* Scale	Action to be taken
1. Curricular Aspects	1.1 Curriculum Design and Development	1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution	0	10	BOS must identify the courses having focus on employability/ entrepreneurship/ skill development and record the same in MOM
	1.3 Curriculum Enrichment	1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above	1	10	Students enrolled for GP Program is about 30% of the department strength. Documentation of students enrolled for GP program need to be maintained with all supporting documents
	2.1 Student Enrolment and Profile	2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy)	2	10	SC, ST, OBC students seat reservation
		2.4.2 Average percentage of full-time teachers with Ph.D. / D.M. / M.Ch. / D.N.B Super speciality / D.Sc. / D.Litt. during the last five years	1	10	Maintaining the UGC and AICTE faculty cadre ratio
2. Teaching-Learning and Evaluation	2.4 Teacher Profile and Quality	2.4.3 Average teaching experience of full-time teachers in the same institution (Data for the latest completed academic year in number of years)	0	0	Faculty Retention Ratio

3.1 Promotion of Research and Facilities	3.1.1 Percentage of teachers awarded national/international fellowship for advanced studies/research during the last five years	0	0	Facilities need to be motivated to receive financial support for the research activities from GOs or NGOs
3.4 Research Publications and Awards	3.4.2 Number of Ph.D's registered per teacher (as per the data given w.r.t recognized Ph.D guides/supervisors provided at 3.2.3 metric) during the last five years	1	5	Facilities need to be motivated to choose their Ph.D., Guides from NHCE Co-Guide must be assigned from NHCE Guide List
	3.4.4 Number of books and chapters in edited volumes / books published per teacher during the last five years	0	0	Book with ISBN need to be published by Faculty Target has to be fixed to improve the number of Book publication
3. Research, Innovations and Extension	3.5 Consultancy	0	0	According to NHCE research promotion policy 2022, consultancy works undertaken by faculty are supported 3 Lakhs of target can be given to each department as consultancy project
	3.6 Extension Activities	1	15	Students' involvement and participation in AICTE activity points are considered for Extension activities

	3.7 Collaboration	3.3.1 Number of collaborative activities per year for research/ faculty exchange/ student exchange/ internship/ on -the-job training/ project work	0	Number of certificates and study abroad certificates need to be maintained in department
4. Infrastructure and Learning	4.3 IT Infrastructure	4.3.4 Institution has Facilities for e-content development	2	Library Conference room is provided with the necessary facilities for e-content development Bills
5. Student Support and Progression	5.1 Student Support	5.1.2 Average percentage of students benefited by scholarships, free ships, etc. provided by the institution and non-government agencies during the last five years	1	Other than the Institution, Non-Government agencies need to be identified for student support Parents receiving financial support for their children education details need to be collected
	5.2 Student Progression	5.2.2 Percentage of student progression to higher education (previous graduating batch)	2	Awareness program on higher studies need to be organized in department level
	5.3 Student Participation and Activities	5.3.3 Average number of sports and cultural events / competitions organized by the institution per year	1	Good number of sports and cultural events / competitions organized by the institution post pandemic period
6. Governance, Leadership and Management	6.3 Faculty Empowerment Strategies	6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years	2	As per the NHCE - Research Promotion Policy 2022, Faculty members are provided with financial support to attend conferences / workshops and towards membership fee of professional bodies

NEW HORIZON COLLEGE OF ENGINEERING

NIRF Ranking 2021

College of Engineering ranked 11th Rank in NIRF Ranking
score of 33.37

3.2 Report on NIRF Ranking 2021

NEW HORIZON COLLEGE OF ENGINEERING

NIRF Ranking 2021

New Horizon College of Engineering secured 141th Rank in NIRF Ranking 2021 with a score of 35.87

Report on ARJIS Ranking 2021

NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF RESEARCH & DEVELOPMENT

ARIIA Ranking 2021

Rank-Excellent, Rated for Innovation and Entrepreneurship
amongst student and faculty

33 Report on ARIIA Ranking 2021

NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF RESEARCH & DEVELOPMENT

ARIIA Ranking 2021

ARIIA 2020 – Band-Excellent. Related to “Innovation and Entrepreneurship Development” amongst student and faculty.

ARIIA 2021 - The data collection format is circulated to the departments and it is under process.

NBA Re-Accreditation MINUTES

Date: 15-05-2022 | Time: 9:30am | Meeting Location: QA&L Center, NCCB

3.4 Report on preparation for NBA TierII Accreditation of UG Programs- AU, ISE, EEE, which is valid till 30.06.2022

Chairman of the committee
 Dr. S. S. Srinivasan
 Dr. S. S. Srinivasan

Chairman of the committee
 Dr. S. S. Srinivasan

Chairman of the committee
 Dr. S. S. Srinivasan

Chairman of the committee
 Dr. S. S. Srinivasan

Sl. No.	Item	Responsible Person	Remarks
1	Compliance Report of previous NBA cycle	Dr. S. S. Srinivasan	
2	Compliance Report of previous NBA cycle	Dr. S. S. Srinivasan	
3	Compliance Report of previous NBA cycle	Dr. S. S. Srinivasan	
4	Compliance Report of previous NBA cycle	Dr. S. S. Srinivasan	
5	Compliance Report of previous NBA cycle	Dr. S. S. Srinivasan	
6	Compliance Report of previous NBA cycle	Dr. S. S. Srinivasan	
7	Compliance Report of previous NBA cycle	Dr. S. S. Srinivasan	
8	Compliance Report of previous NBA cycle	Dr. S. S. Srinivasan	
9	Compliance Report of previous NBA cycle	Dr. S. S. Srinivasan	
10	Compliance Report of previous NBA cycle	Dr. S. S. Srinivasan	

Chairman of the committee
 Dr. S. S. Srinivasan

Chairman of the committee
 Dr. S. S. Srinivasan

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6	Compliance Report of previous NBA cycle	Dr. S. S. Srinivasan	
7	Compliance Report of previous NBA cycle	Dr. S. S. Srinivasan	
8	Compliance Report of previous NBA cycle	Dr. S. S. Srinivasan	
9	Compliance Report of previous NBA cycle	Dr. S. S. Srinivasan	
10	Compliance Report of previous NBA cycle	Dr. S. S. Srinivasan	



NEW HORIZON COLLEGE OF ENGINEERING

QUALITY ASSURANCE AND SKILL DEVELOPMENT CENTER

NBA Re-Accreditation | MINUTES

Date : 18-05-2022 | Time: 3.30pm | Meeting location: QASD Center, NHCE

Meeting called by	Dr. Sanjeev Sharma, Dean-QASDC.
Type of meeting	Offline
Facilitator	Dr. Rajesh G, Assoc. Prof/ECE.
Attendees	1. Dr. Sujitha, Asp /EEE 2. Dr. Srinivasan L, Assoc Prof/EEE

AGENDA TOPICS:

1. Constitution of NBA team at Department Level
2. Compliance Report of previous NBA visits.
3. Pre-qualifier data for reaccreditation.
4. SAR Report Generation.

Agenda 01: Constitution of NBA team | Presenter Dr. Sanjeev Sharma

- Discussion Conversation : 1. Identification of NBA Department Coordinator.
2. Faculty In-charge for NBA Criterion.
3. Assigning Faculty for criterion data collection and compilation.

Conclusion Closing :

S.No	Action items	Person responsible	Deadline
1.	Department level Coordinators are identified.	1. EEE NBA Coordinator: Dr. Sujitha, Asp /EEE 2. ISE NBA Coordinator: Dr. Srinivasan L, Assoc Prof/EEE	
2.	Faculty In-charge for NBA Criterion.	EEE : Dr. Sujitha,	Date : 21-05-2022, 3.00 PM
3.	Assigning Faculty as per designation for criterion data collection and compilation	ISE : Dr. Srinivasan L	Date : 21-05-2022, 3.00 PM

Agenda 02: Compliance Report of previous NBA visits. | Presenter Dr. Sanjeev Sharma

- Discussion Conversation : 1. Compliance report of previous NBA visit for reference.

Conclusion Closing :

S.No	Action items	Person responsible	Deadline
1.	Compliance report of previous NBA visit	EEE : Dr. Sujitha, ISE : Dr. Srinivasan L	Date : 21-05-2022, 3.00 PM

Agenda 03: Pre-qualifier data for reaccreditation | Presenter Dr. Sanjeev Sharma

DiscussionConversation :

1. Check Eligibility for NBA by compiling Pre-qualifiers data
2. Consider the Current Academic Year [CAY] as 2022-23.
3. Current Assessment Year[CAYm1]is 2021-22.

ConclusionClosing :

S. No	Action items	Person responsible	Deadline
1.	Student data for the academic years: 2022-23; 2021-22; 2020-21;2019-20;2018-19;2017-18;2016-17.	EEE : Dr. Sujitha	Date : 21-05-2022, 3.00 PM
2.	Faculty data for the academic years: 2022-23; 2021-22; 2020-21;2019-20;	ISE : Dr. Srinivasan L	

Agenda 04: Compilation of SAR. |Presenter Dr. Sanjeev Sharma


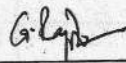
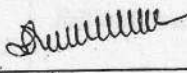

DiscussionConversation : 1. Initiating the compilation of SAR.

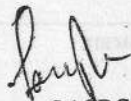
ConclusionClosing :

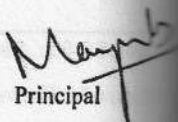
S. No	Action items	Person responsible	Deadline
1.	Initiating the compilation of SAR.	EEE : Dr. Sujitha, ISE : Dr. Srinivasan L	Date: 21-05-2022, 3.00 PM

Additional Note: -

Members Present:

S. No	Name of the Member	Signature	Remarks
1.	Dr. Sanjeev Sharma, Dean- QASDC.		
2.	Dr. Rajesh G Assoc. Prof/ECE		
3.	Dr. Sujitha ASP/EEE		
4.	Dr. Srinivasan L Assoc Prof/ ISE		


Dean- QASDC


Principal

NEW HORIZON COLLEGE OF ENGINEERING

NIRF Ranking 2022 - Benchmarks

35 Report on NIRF Ranking 2022- Benchmarks

NEW HORIZON COLLEGE OF ENGINEERING

NIRF Ranking 2022 – Benchmarks

New Horizon College of Engineering had secured 141th Rank in NIRF Ranking 2021 with a score of 35.87.

We have put in all our efforts in improving our ranking for 2022.

- We have been encouraging Faculty members to focus on improving the quality of research and citations. We are also working on increasing the IPR, patents & consultancy projects.
- We are also fixed the name ambiguity problem of authors and that of the institution. We have informed the faculty members to publish the paper by giving accurate details of their full name and with name of New Horizon College of Engineering.
- NHCE is also encouraging faculty members to publish articles indexed in Scopus/ WoS/ SCI-Expanded.
- We are also encouraging and guiding students to publish more publications.
- We have strategized on managing our Peer Perception by communicating to the public about the institution, professors, alumni about the achievements, work. We are also actively communicating on social media, updating our website.

NEW HORIZON COLLEGE OF ENGINEERING

Department of Computer Science & Engineering (Data Science)

3.6 Report on Start of new course- Computer Science & Engineering (Data Science) for Ay 2022-23

NEW HORIZON COLLEGE OF ENGINEERING

Department of Computer Science & Engineering (Data Science)

About the Programme

B.E in Computer Science & Engineering (Data Science) is a journey towards mastering CSE in the field of Data Science applying Machine Learning Techniques. This course will make the students to understand and master CSE and also make them specialist in the field of Data Science which is one of the emerging fields of Computer Science and Highest paid in the market. Companies like Google, Microsoft, Face Book, Twitter, Instagram, Cisco, Amazon, and Oracle are the major users of Data Science which is highly driven by data.

Data Science is the conceptual framework which is used in Analytics, this would include statistics, computational physics, algebra, CS and all allied subjects. The interdisciplinary field of data science uses key skills of a wide range of fields including machine learning, statistics, visualization, etc. It enables us to identify meaning and appropriate information from huge volumes of data to make informed decisions in technology, science, business, etc. For a simpler view on the relation between these technologies, data science is applied based on machine learning. And machine learning is a part of data science that draws features from algorithms and statistics to work on the data extracted from and produced by multiple resources. Thus, you can say data science merges together a bunch of algorithms obtained from machine learning to develop a solution, and during the process, lots of ideas from traditional domain expertise, statistics and mathematics are borrowed.

In a nutshell we can say other words, data science stand for an all-inclusive term that consists of aspects of ML for functionality. Interestingly, ML is also an element of data science, where a diverse set of purpose is achieved on a whole new level.

Facilities

- Smart Classroom
- Data Science Lab
- Machine learning lab
- R Programming lab
- Data Visualization Lab
- Data Structures and Database Lab

What students learn in program?

- Knowledge of statistics, probability, predictions, calculus, algebra, Bayesian algorithms
- Applicable knowledge in data structures, logic and efficiency
- Essential skills in programming languages like R, Python
- Data Preparation, Processing and Visualization
- Proficiency in Data Visualization and Text Analytics
- In depth knowledge in Business Intelligence and Predictive Modeling.
- Development of Machine Learning Models

Benefits of Data Science after completing a degree in the future:

- Competition in various business sectors creates lot of job opportunities for data scientist to analyze and draw insights from data.
- Opportunities to Start Business, Research and Innovation.
- Opportunities for Entrepreneur.
- Opportunity to protect civil liberty and fight against cybercriminals.

Making insights on data to predict and act according to the changing needs of world.

Data Science Applications

- Tactical Optimization (Improving marketing campaigns, Business Process)
- Predicted Analytics (forecast of demand and events)
- Recommendation Systems (Like those of Amazon and Netflix)
- Automatic Decision Making System(Like face recognition and Drones)
- Social Research (processing of Questionaries')
- Health care
- Crime and Fraud detection

Career Opportunities:

Data Scientist

Data scientists assist in gathering relevant data from multiple sources for the purpose of assessing it to gain constructive inferences. The inferences gained are influential in tackling various issues concerned with the business. Depending upon different data patterns, past and present information, data scientists make various predictions.

The performance of the business is positively impacted due to a data scientist. Job-seekers are required to be equipped with modern tools like Spark, Hadoop, Pig or Hive while pursuing this career option. The candidate must be comfortable using programming languages like Python, Scala or SQL.

Machine learning engineer

A machine learning engineer has to combine the scopes of data science and artificial intelligence to programme machines to learn how to perform certain tasks. To become a machine learning engineer, you must develop strong computer programming skills. Machine learning engineers basically create computer programmes that enable machines to perform actions without being specifically designed or directed to perform these tasks.

Software engineer

AI software engineers build software products for AI applications. They bring together development tasks like writing code, continuous integration, quality control, API management, etc., for AI tasks. They develop and maintain the software that data scientists and architects use. They stay informed and updated about new artificial intelligence technologies.

An AI software engineer is expected to be skilled in software engineering and artificial intelligence. They need to have programming skills as statistical/analytical skills. Companies typically look for a bachelor's degree in computer science, engineering, physics, mathematics, or statistics. To land a job as an AI software engineer, certifications in AI or data science are helpful too.

Data Architect and Administrators

Visualizers of the data management framework for the entire organization, data architects work closely with data engineers. They primarily work on understanding enterprise strategy and data that needs to be collected. They then create new database systems or enhance the performance of existing systems. Additionally, data architects design the flows and processes for data management and data engineers build the infrastructure.

Data Engineer

Data engineers are experts at accessing, and moreover, processing vast amounts of real-time data. Vital to technology-driven companies and tech departments, they interpret unformatted and unverified data. Thus, daily tasks include maintenance of high data volumes as well as creating data pipelines to make data accessible for further analysis with the data teams. Data engineers set up the infrastructure using programming languages (Python) and advanced SQL, NoSQL.

Statisticians and Mathematicians

Prominently working in the government, healthcare, and research and development organizations, statisticians identify trends that advise decision-making and policies in organizations. Mathematicians and statisticians interpret large volumes of numerical data and design research surveys, develop mathematical models to collect data as well as report findings.

Business Analyst

Strategists at heart and analysts by mind, a business analyst evaluates a company's processes and analyses industry trends and markets. Business analysts process enormous amounts of data and scout opportunities to improve business revenue and growth. Common job titles held are business intelligence (BI) developers and business consultants. Processing this data requires a BI developer to have advanced skills in BI analytic tools and programming skills.

Data Engineer/Architect

A data engineer and architect is one of the most lucrative artificial intelligence and data science career options. Every big data engineer and architect is tasked with creating a system through different areas of a business can communicate with one another effectively, and collect data with ease. Big data engineers and architects are expected to be experts at computer programming and computer languages like C++, Java, Python, and Scala.

Database Developer

A database developer is expected to improve prevailing database processes, and updating the business standards and structures by effectively coding programmes. Each database developer is also tasked with maintaining existing databases, detecting and fixing bugs in the system, improving the existing database, and solving any issues or concerns that may rise up in the database systems along the way in the future.

Data Analyst

For a long time, the data analyst was someone who collected, cleaned, processed, and analyzed data to glean insights. For the most part, these used to be mundane, repetitive tasks. With the rise of AI, much of the mundane work has been automated. Therefore, the data analyst role has upgraded to join the new set of AI careers. Today, data analysts prepare data for machine learning models and build meaningful reports based on the results.

Research Scientist

The research scientist role is one of the most academically-driven AI careers. They ask new and creative questions to be answered by AI. They are experts in multiple disciplines in artificial intelligence, including mathematics, machine learning, deep learning, and statistics. Like data scientists, researchers are expected to have a doctoral degree in computer science.

Marketing Analyst

Identifying shifting consumer behaviors and examining new buying trends as well as analyzing the digital universe for a business is all the excellence of a market analyst. With most businesses selling digitally, marketing analysts access large amounts of data across various platforms and devices to create strong go-to-market strategies and evaluate marketing campaigns.

Clinical Data Manager

Clinical data managers unite healthcare training with mathematics, programming, computer science, and statistics. Similar to the other fields, data collection to data governance and data integrity across clinical trials and research, clinical data managers actively assimilate, analyze and predict medical industry trends.

NEW HORIZON COLLEGE OF ENGINEERING

**DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING**

SERIES BATCH SCHEME

List of Courses and the Proposed Scheme

for

Bachelor of Engineering (B.E CSE Data Science)

(Third and Fourth Semester)

Scheme of III Semester B.E Program

Sl. No.	Course Code	Course Name	BOS	Credit Distribution				Overall Credits	Contact Hours	Marks		
				L	T	P	S			CIE	SEE	TE
1.	XXDSE31	Mathematics for Intelligent systems	AS	2	1	0	0	3	4	50	50	
2.	XXDSL32 A	Python for ML	CSE	2	0	0	0	2	2	25	25	
3.	XXHSS33	Adalitha Kannada	HSS	1	0	0	0	1	2	25	25	
	XXHSS325	Vyavaharika Kannada	HSS	1	0	0						
4.	XXDSE33 A	Operating system	CSE/ DSE	3	0	0	0	3	3	50	50	
5.	XXDSE34 A	Data Structure and thms	CSE/ DSE	3	0	0	0	3	3	50	50	
6.	XXDSE35 A	Applied statistical analysis	CSE/ DSE	3	0	0	0	3	3	50	50	
7.	XXDSE36 A	OOPS with Java	CSE/ DSE	3	0	0	0	3	3	50	50	
8.	XXDSE37	Digital Logic Design lab	CSE/ DSE	0	0	1	0	1	2	25	25	
9.	XXDSL38	Data Structures Using C lab	CSE/ DSE	0	0	1.5	0	1.5	3	25	25	
10.	XXDSL39	Python Programming lab	CSE/ DSE	0	0	1.5	0	1.5	3	25	25	
11.	XXDSE39	Mini Project	CSE/ DSE	0	0	2	0	2	4	25	25	
Total								24	32	400	400	
1.	XXDMAT3 1A	Basic Applied Mathematics-1	BS	0	0	0	0	0	2	25	25	
2.	XXHSS17 1	Essential English	HSS	0	0	0	0	0	2	25	25	

XXDMAT31A, XXHSS171 - Only for Lateral Entry Students

Scheme of IV Semester B.E Program

Course Code	Course Name	BOS	Credit Distribution				Overall Credits	Contact Hours	Marks		
			L	T	P	S			CIE	SEE	TOTAL
MAT41A	Discrete Mathematics And Graph Theory	MAT	2	1	0	0	3	4	50	50	100
SEXX	Introduction to drones	CSE/DSE	3	0	0	0	3	3	50	50	100
SEXX	Data Acquisition	CSE/DSE	0	0	0	0	0	2	50	50	100
SE43A	Advanced Java lab	CSE/DSE	3	0	0	0	3	3	50	50	100
SE44A	Oops with Java	CSE/DSE	3	0	0	0	3	3	50	50	100
SE45A	Operating Systems	CSE/DSE	3	0	0	0	3	3	50	50	100
SE46A	Database Management Systems Lab	CSE/DSE	0	0	2	0	2	4	25	25	50
SE47A	Oops with Java lab	CSE/DSE	0	0	1.5	0	1.5	3	25	25	50
SE48A	Operating Systems lab	CSE/DSE	0	0	1.5	0	1.5	3	25	25	50
SE49A	Mini Project	CSE/DSE	0	0	2	0	2	4	25	25	50
Total							22	32	400	400	800
MAT41	Basic Applied Mathematics-II	BS	0	0	0	0	0	2	25	25	50
SS172	Constitution of India and Professional Ethics	HS S	0	0	0	0	0	2	25	25	50

MAT41A, XXHSS172 - Only for Lateral Entry Students

**DEPARTMENT OF
COMPUTER SCIENCE AND
ENGINEERING**

SERIES BATCH SCHEME

**List of Courses and the Proposed Scheme
for
Bachelor of Engineering (B.E CSE Data Science)**

(Fifth and Sixth Semester)

Scheme of V Semester B.E Program

Course Code	Course Name	BOS	Credit Distribution				Overall Credits	Contact Hours	Marks		
			L	T	P	S			CIE	SEE	TOTAL
XXDSE51	Data warehousing	CSE/ DSE	3	0	0	0	3	3	50	50	100
XXDSE52	Design and Analysis of Algorithms	CSE/ DSE	3	1	0	0	4	3	50	50	100
XXDSE53	Signal and Image processing	CSE/ DSE	3	0	0	0	3	3	50	50	100
XXDSE54	Theory of computation	CSE/ DSE	3	0	0	0	3	3	50	50	100
XXDSE55	Professional Elective-1	CSE/ DSE	3	0	0	0	3	3	50	50	100
XXDSE56	Web Internet Programming Lab	CSE/ DSE	0	0	1	0	1	2	25	25	50
XXDSE57	Design and Analysis of Algorithms Lab	CSE/ DSE	0	0	1.5	0	1.5	3	25	25	50
XXDSE58	Signal and Image processing Lab	CSE/ DSE	0	0	1.5	0	1.5	3	25	25	50
XXDSE59	Mini Project	CSE/ DSE	0	0	2	0	2	4	25	25	50
Total							22	27	350	350	700

Professional Elective - 1	
Course Code	Course Name
XXDSEXX	Introduction to Mathematical and Statistical Techniques in Computer Science
XXDSEXX	Introduction to Graph Theory and its application

Scheme of VI Semester B.E Program

Sl. No.	Course Code	Course Name	BOS	Credit Distribution				Overall Credits	Contact Hours	Marks	
				L	T	P	S			CIE	SEE
1.	XXDSEXX	Reinforcement learning	CSE/ DSE	3	0	0	0	3	3	50	50
2.	20DSEXX	Deep learning for signal and image processing	CSE/ DSE	3	0	0	0	3	3	50	50
3.	20DSE63	Machine Learning	CSE/ DSE	3	0	0	0	3	3	50	50
4.	20DSEXX	AI in Natural Language Processing	CSE/ DSE	3	0	0	0	3	3	50	50
5.	20DSEXX	AI in speech processing	CSE/ DSE	3	0	0	0	3	3	50	50
6.	20NHOPXX	Open Elective - 1	COE's	3	0	0	0	3	3	50	50
7.	20DSEXX	Statistical analysis Lab	CSE/ DSE	0	0	1	0	1	2	25	25
8.	20DSEXX	Data Visualization Lab	CSE/ DSE	0	0	1.5	0	1.5	3	25	25
9.	20DSL68	Machine Learning Lab	CSE/ DSE	0	0	1.5	0	1.5	3	25	25
10.	20DSE69	Mini Project	CSE/ DSE	0	0	2	0	2	4	25	25
Total								24	30	375	375

Professional Elective - 2		Professional Elective - 3	
Course Code	Course Name	Course Code	Course Name
20DSE641	Data Visualization	20DSEXX	Soft Computing
20DSEXX	Introduction to Cloud Computing	20DSEXX	Business Process Management

Open Elective - I	
Course Code	Course Name
20NHOP01	Big Data Analytics using HP Vertica-1
20NHOP02	VMWare Virtualization Essentials-1
20NHOP04	Big Data Analytics using HP Vertica-2
20NHOP05	VMWare Virtualization Essentials-2
20NHOP07	SAP
20NHOP08	Schneider-Industrial Automation
20NHOP09	CISCO-Routing and Switching-1
20NHOP10	Data Analytics
20NHOP11	Machine learning
20NHOP12	CISCO-Routing and switching - 2
20NHOP13	IIOT – Embedded System
20NHOP14	Block Chain
20NHOP15	Product Life Cycle Management
20NHOP16	CISCO-Routing and switching - 3

**DEPARTMENT OF
COMPUTER SCIENCE AND
ENGINEERING**

SERIES BATCH SCHEME

List of Courses and the Proposed Scheme

for

Bachelor of Engineering (B.E CSE Data Science)

(Seventh and Eighth Semester)

Scheme of VII Semester B.E Program

Sl. No.	Course Code	Course Name	BOS	Credit Distribution				Overall Credits	Contact Hours	Mark	
				L	T	P	S			CIE	SEE
1.	XXDSEX	Deep Reinforcement Learning	CSE/DSE	3	0	0	0	3	3	50	50
2.	XXDSEX	Computer Networks	CSE/DSE	3	0	0	0	3	3	50	50
3.	XXDSEX	Business Intelligence	CSE/DSE	3	0	0	0	3	3	50	50
3.	XXDSEX	Professional Elective – 4	CSE/DSE	3	0	0	0	3	3	50	50
4.	XXDSEX	Professional Elective - 5	CSE/DSE	3	0	0	0	3	3	50	50
5.	XXNHOPX X	Open Elective – 2	COE's	3	0	0	0	3	3	50	50
6.	XXDSEX	Web Technologies - Lab	CSE/DSE	0	0	1.5	0	1.5	3	25	25
8.	XXDSL77	Computer Networks Lab	CSE/DSE	0	0	1.5	0	1.5	3	25	25
9.	XXDSE78	Project Phase-1	CSE/DSE	0	0	3	0	3	3	50	50
Total								24	27	400	400

Professional Elective – 4	
Course Code	Course Name
XXDSEX	Introduction to Deep Learning
XXDSE744	Information Theory & Coding
Professional Elective – 5	
Course Code	Course Name
XXDSE751	Social Network Analysis
XXDSE752	Digital Marketing

Scheme of VIII Semester B.E Program

Course Code	Course Name	BOS	Credit Distribution				Overall Credits	Contact Hours	Marks		
			L	T	P	S			CIE	SEE	TOTAL
XXDSE81 X	Professional Elective-6	CSE/ DSE	3	0	0	0	3	3	50	50	100
XXDSE82	Internship Viva	CSE/ DSE	-	-	4	0	4	4	50	50	100
XXDSE83	Project Phase-2	CSE/ DSE	-	-	12	0	12	4	100	100	200
Total							19	11	200	200	400

Professional Elective – 6	
Course Code	Course Name
XXDSEXX	Web and Text
XXDSEXX	Introduction to Things of Internet
XXDSEXX	Cluster Computing

01/11/2022

07/04/2022

Technological University,
Sambalpur, Odisha,
India-751003

3.7 Report on Closure of courses- M.Tech- Cyber Security & M.Tech- Machine Design

In above subject, we would like to inform you that our Institute has decided to discontinue the M.Tech- Machine Design & M.Tech- Cyber Security courses from the academic year 2022-23 onwards. In the next few years, there are no intake for these two M.Tech courses. Due to financial constraints, the institute has decided to discontinue these courses.

The Institute has decided to discontinue the M.Tech- Machine Design & M.Tech- Cyber Security courses from the academic year 2022-23 onwards.

We request you to kindly issue the Discontinuation of the M.Tech- Machine Design & M.Tech- Cyber Security courses from the academic year 2022-23 onwards.

[Signature]
Date: 07/04/2022



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College, Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

The Trust is a recipient of prestigious Rajyotsava State Award 2012 conferred by Government of Karnataka

NH/VTU/CL/23/2022

09.04.2022

The Registrar

Swasvaraya Technological University,
Sangama, Santibastwad Road,
Belgaum, Belgaum-590018

Respected Sir,

Subject: Closure of MTech Programs


With reference to above subject, we would like to inform you that our Trust is intended to close the Master of Technology in Machine Design & Master of Technology in Cyber Forensics & Information Security courses from the Academic Year 2022-23 onwards. In the last few years there are no takers for these two MTech courses. Due to minimal demand for the courses, the financial burden on the institution has increased.

The Resolution of the Trust is enclosed herewith for the closure of the above mentioned MTech Programs from Academic Year 2022-23.

Hence, we request you to kindly issue No Objection Certificate for the closure of Master of Technology courses in Machine Design and Master of Technology in Cyber Forensics & Information Security courses.

Thanking you,

Yours Faithfully,


Manjunatha 09/4
Principal




**EXTRACT OF MINUTES OF MEETING VIDE ITS EXECUTIVE COUNCIL MEETING
HELD ON 30TH MARCH 2022**

To consider and approve to apply to Government of Karnataka, Visvesvaraya Technological University and All India Council for Technical Education for closure of Master of Technology in Machine Design and Master of Technology in Cyber Forensic and Information Security in New Horizon College of Engineering from the academic year 2022-23 onwards.

Dr. Mohan Manghnani, Managing Trustee informed and proposed to Member Trustee that there are no takers for Master of Technology in Machine Design and Master of Technology in Cyber Forensic and Information Security courses from last few years and we are also not able to place the students in the companies. Due to minimal demand for the courses, the financial burden for the institution has increased and therefore, he proposed to Member Trustee that we should apply for closure of the said courses from the academic year 2022-23.

He further informed that New Horizon Educational and Cultural Trust shall allocate required funds for meeting liabilities on account of closure of courses in New Horizon College of Engineering.

The proposal was discussed and it was resolved to apply for closure of Master of Technology in Machine Design and Master of Technology in Cyber Forensic and Information Security courses and it was approved to apply for No Objection Certificate for closure of courses in New Horizon College of Engineering to Government of Karnataka and Visvesvaraya Technological University and submit the same to All India Council for Technical Education from the academic year 2022-23 onwards.


Dr. Mohan Manghnani
Managing Trustee

- New Horizon Public School
- New Horizon College - Marathalli
- New Horizon College of Education
- New Horizon College - Kasturinaragar
- New Horizon Pre University College



ANNUAL STATUS REPORT - 2020-2021

Part A

3.8 AQAR Yearly Report Submission for 2020-21

Institution	New Horizon College of Engineering
The Head of the Institution	Dr. K. Srinivas
Address	Bellur
Institution function from year	Year
Principal	Dr. K. Srinivas
Phone no	9741022117
Mobile no. (Principal)	9901510000
Principal e-mail ID (Principal)	principal@newhorizoncollege.edu
	Office: 1st floor, near Marathalli, Haverappa Layout, K. Srinivasnagar, Kadabesanahalli, Bengaluru, Karnataka 560106
	Bengaluru
	Karnataka
	560106



YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

Name of the Institution	New Horizon College of Engineering
Name of the Head of the institution	Dr. Manjunatha
Designation	Principal
Does the institution function from its own campus?	Yes
Phone No. of the Principal	08066297777
Alternate phone No.	9731922177
Mobile No. (Principal)	9901916000
Registered e-mail ID (Principal)	principal@newhorizonindia.edu
Address	Outer ring road, near Marathalli, Kaverappa Layout, Kadubeesanahalli, Kadubeesanahalli, Bengaluru, Karnataka 560103
City/Town	Bengaluru
State/UT	Karnataka
Pin Code	560103

2. Institutional status

• Autonomous Status (Provide the date of conferment of Autonomy)	28/02/2016
• Type of Institution	Co-education
• Location	Urban
• Financial Status	Self-financing
• Name of the IQAC Co-ordinator/Director	Dr. Rajalakshmi B
• Phone No.	08066297777
• Mobile No:	9841711347
• IQAC e-mail ID	iqac@newhorizonindia.edu
3. Website address (Web link of the AQAR (Previous Academic Year))	https://newhorizonindia.edu/nhengineering/
4. Was the Academic Calendar prepared for that year?	Yes
• if yes, whether it is uploaded in the Institutional website Web link:	https://newhorizonindia.edu/nhengineering/calender-of-events/

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.23	2016	29/03/2016	28/03/2021

6. Date of Establishment of IQAC 15/10/2014

7. Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP /World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty /School	Scheme	Funding Agency	Year of Award with Duration	Amount
Department of Basic Sciences & Humanities	Faculty Development Programme	Vision Group on Science & Technology, Government of Karnataka	26/08/2021	200000

Department of Automobile Engineering, New Horizon College of Engineering	Students Project Programme	Karnataka State Council for Science and Technology	24/04/2021	6000
Department of Civil Engineering, New Horizon College of Engineering	Students Project Programme	Karnataka State Council for Science and Technology	24/04/2021	18000
Department of Civil Engineering, New Horizon College of Engineering	Centres of Excellence in Science, Engineering and Medicine (CESEM)	Vision Group On Science And Technology	17/08/2021	300000
Department of Electrical and Electronics Engineering, New Horizon College of Engineering	Student Project Proposal Scheme	Karnataka State Council for Science and Technology	24/04/2021	26000
Department of Electrical and Electronics Engineering, New Horizon College of Engineering	Faculty Development Programme Scheme	AICTE Training and Learning (ATAL) Academy, New Delhi	06/07/2021	93000
Department of Electrical and Electronics Engineering, New Horizon College of Engineering	Start-up Grant Scheme	IEEE Chapter Start-Up Grant Scheme, IEEE Bangalore	15/06/2021	36750
New Horizon College of Engineering	Financial Assistance for innovative projects for Final Year under- graduate Students	Visvesvaraya Technological University	20/09/2021	70000

Department of Computer Science and Engineering, New Horizon College of Engineering	Students Project Programme	Karnataka State Council for Science and Technology	24/04/2021	8000
Department of Management Studies, New Horizon College of Engineering	Students Project Programme	Karnataka State Council for Science and Technology	24/04/2021	6000
Department of Electronics and Communication Engineering, New Horizon College of Engineering	Students Project Programme	Karnataka State Council for Science and Technology	24/04/2021	6000
Department of Mechanical Engineering/ New Horizon College of Engineering	Students Project Programme	Karnataka State Council for Science and Technology	24/04/2021	105500
Department of Electronics and Communication Engineering, New Horizon College of Engineering	AICTE -MODROB	AICTE	20/07/2020	1260784
Department of Electronics and Communication Engineering/ New Horizon College of Engineering	AICTE- ATAL FDP	AICTE	27/07/2021	93000

8. Provide details regarding the composition of the IQAC:

<ul style="list-style-type: none"> Upload the latest notification regarding the composition of the IQAC by the HEI 	View File
9.No. of IQAC meetings held during the year	2

Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?	Yes
If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded
Did IQAC receive funding from any agency to support its activities during the year?	No
If yes, mention the amount	
Significant contributions made by IQAC during the current year (maximum five items)	
1. Tier-1 Accreditation for four programs i.e. Computer Science Engineering, Civil Engineering, Electronics & Communication Engineering and Mechanical Engineering. 2. NBA Tier-2 Accreditation for three programs i.e. Automobile Engineering, Electrical and Electronics Engineering and Information Science Engineering 3. Participation in NIRF and Collaboration with other organizations. 4. Introduction of two new UG programs i.e. Computer Engineering and Artificial Intelligence & Machine Learning. 5. Establishment of Centre of Excellence in IBM Open Source Artificial Intelligence lab.	
Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:	
Plan of Action	Achievements/Outcomes
Improvement in number of students Placed in Companies	814 students placed for the year 2020-21
Improvement in NPTEL Local chapter rating	Secured rating of 'AA' in NPTEL Local Chapter rating based on online certification. New Horizon College of Engineering also secured maximum number of NPTEL stars for the year 2021
To Participate in National Institutional Ranking Framework and ATAL Ranking of Institutions on Innovation Achievements	Secured 141 Rank in NIRF and Band 'A' in ATAL Ranking of Institutions on Innovation Achievements

4.Improvement in number of SCOPUS indexed publications	136 articles published are indexed in SCOPUS
5. Improvement in Patents filed	92 Patents filed for the year 2020-21
6.Encouragement towards B.E Honours degree	35 Students successfully registered for B.E Honours degree program

13.Was the AQAR placed before the statutory body? Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Council Meeting	27/09/2021

14.Was the institutional data submitted to AISHE ? Yes

- Year

Year	Date of Submission
19/02/2022	19/02/2022

Extended Profile

1.Programme

1.1
Number of programmes offered during the year: 14

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1
Total number of students during the year: 5640

File Description	Documents
Institutional data in Prescribed format	View File

2.2
Number of outgoing / final year students during the year: 1486

Handwritten signature

**3.9 Faculty Development Program conducted for faculty/
staff**

Quality Assessment and Skill Development Center -- Academic Year 2021-22

Faculty Development Program conducted for faculty/ staff

Sl. No.	Date	Department	Title of the Event	Resource Person
1.	26 th July 2021 to 31 st July 2021	Civil Engineering	AICTE sponsored one week online faculty development Programme On "Futuristic trends in Civil Engineering"	Dr. M N Hegde Professor Ambedkar Institute of Technology, Bangalore, India Dr. Riya Bhowmik Assistant Professor Indian Institute of Technology Jammu Jagti, Nagrota Bypass road, Jammu & Kashmir, India Dr. K Balan Vice Principal Rajadhani Institute of Engineering and Technology Trivandrum, India Mr. Raghu Balan Executive Vice President Quality, Safety & Technology Sobha Developers Ltd Bangalore, India Dr. G L Sivakumar Babu Professor, Department of Civil Engineering Chairman, Centre of Continuing Education

				<p>Dr. N Venkata Ramana Associate Professor, Construction Technology Department, VTU PG Center (A Constituent College of VTU) Near New R T O office, Kusunnur Road, Kalaburagi - 585105</p> <p>Dr. T. Jothi Saravanan, Ph.D. Assistant Professor Indian Institute of Technology Bhubaneswar, Orissa</p> <p>Dr. Ruchita Gupta Associate Professor, School of Planning and Architecture New Delhi, India</p> <p>Mr. Ashis Manna Senior Principal Structural Engineer, Mc Dermott International Inc., Chennai, Tamil Nadu, India</p> <p>Mr. Raghunath Ravula Managing Director & CEO Academy of Concrete Technology Bangalore, India</p> <p>Dr. Vinayak Kaushal Assistant Professor University of Texas at Arlington Texas, United States</p> <p>Dr. Ravindra R Associate Professor RV College of Engineering</p>
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<p>V P BCV Precast BCV Developers Pvt Ltd Bangalore, India</p>	<p>Dr. B.V. Ravishankar Principal BMS College of Engineering Bangalore - 560019</p>	<p>Mr. Venkatesa Perumal Team Leader Property and Infrastructure Projects WS Atkins Bangalore, India</p>	<p>Dr. Lorenzo Borselli Professor & Researcher, Universidad Autonoma de San Autonomous University of San Luis Potosi Álvaro Obregón # 64, Col. Centro, CP 78000 San Luis Potosí, SLP México</p>	<p>Dr. Ramesh Naidu Laveti, Joint Director, C-DAC</p>	<p>Mr. Dinesh Krishna, Technical Specialist, LTI-Larsen & Turbo Infotech</p>	<p>Mr. Venkatesh Kumar, Senior Specialist Data Scientist, Larsen and Toubro InfoTech</p>	<p>Ms.Padmalochni S Researcher, IIT Bombay</p>	<p>Dr. J. Jayaprakash, Professor, Department of ME, Dr.MGR University</p>
				<p>7/3/22 -FN</p>		<p>CSE</p>		
				<p>7/3/22 -AN</p>		<p>Data Science and Machine Learning</p>		
<p>2.</p>				<p>8/3/22-FN</p>			<p>8/3/22-AN</p>	
				<p>9/3/22-FN</p>				

	10/3/22		<p>Technical Faculty Engagement Manager, Brussels, Belgium.</p> <p>Dr. V. Nagaveni, Professor, Dept of CSE, Acharya Institute of Technology</p>
	11/3/22-FN		<p>Dr. V. Thavavel Vaiyapuri Assistant Professor, Department of CS&IS, Prince Sultan University</p>
	11/3/22-AN		<p>Dr. Suraj Kumar Bhagat, Ph.D Scholar, Ton Duc Thang University</p>
			<p>Dr. KA Subramanian, Professor & HOD, Department of Energy Studies, IIT-Delhi, India</p>
			<p>Dr. N. Gnanasekaran, Assistant Professor, Department of Mechanical Engg, National Institute of Technology Karnataka, Surathkal, India</p>
			<p>Dr. Jagannath Hirikude, Professor, Department of Mechanical Engg, Goa College of Engineering, Goa, India</p>
			<p>Dr. B Ashok, Associate Professor, Department of Mechanical Engg, Vellore Institute of Technology, Vellore Campus, India</p>
			<p>Dr. Gnanamoorthi, Assistant Professor, Department of Mechanical Engg, Anna University Villupuram Campus, India</p>
			<p>Dr. A. Haiter Lenin, Professor, Department of Mechanical Engg, WOLLO University, Kombolcha,</p>
3.	15th to 19th November 2021	Mechanical Engineering	<p>“AICTE Training and Learning (ATAL) Academy 5 Days Online Faculty Development Programme (FDP)” 2021-2022 on “Implementation of Emerging Waste-To-Energy Technologies-An Opportunity and The challenges On Energy Recovery Systems”</p>

<p>Dr. D. Saktivadivel, Assistant Professor (Senior), Department of Mechanical Engg, Vellore Institute of Technology, Vellore campus, India</p>
<p>Dr. S Prasanna Raj Yadav, Associate Professor, Department of Mechanical Engg, Easwari Engineering College, Chennai, India</p>
<p>Dr. Beemkumar N, Associate Professor, Department of Mechanical Engg, JAIN (Deemed-to-be University), Bengaluru, India</p>
<p>Dr. B Ashok, Associate Professor, Department of Mechanical Engg, Vellore Institute of Technology, Vellore Campus, India</p>
<p>Dr. N. Nallusamy, Registrar, Shiv Nadar University Chennai, Chennai, India</p>
<p>Dr. Melvin Victor Depoures, Associate Professor, Institute of Automobile Engineering, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai, India</p>

Sl. No.	Date	Topic	Speaker Name & Designation
4.	30/10/2021	IBM Refresh Course for Researchers	Mr. Anand K. B. Sr. Asst Professor, Dept of ISE
5.	11.11.21	AI&ML Workshop on ALTAIR Tool Usage	Mr. Subho Jyoti, Data Scientist, ALTAIR Engineering
6.	12.11.21	AI&ML Workshop on IBM Power Systems Enterprise AI Solutions	Mr. Ganesan Narayanasamy, Education and Research Leader, IBM
7.	27.11.21	AI&ML Workshop on Mathematics Behind Machine Learning	Mr. A. Suresh, Associate Professor Dr. B. Hariram R&D Manager, ABB Bengaluru
8.	05.07.2021 To 09.07.2021	EEE AT&L-AICTE Faculty Development Program "Industry 4.0 and its Challenges"	Dr. C. S. Subash Kumar Associate Professor/EEE PSG Institute of Applied Science and Research Coimbatore
			Dr. S. A. Pasupathy Head and Professor/ECE Kumaraguru College of Technology, Coimbatore
Mr. P. Amit Rao Technical Head SMEC Automation Pvt Ltd Hyderabad	Dr. V. Karthikeyan Assistant Professor NIT Calicut Dr. E. Chandira Sekaran	Dr. S. Balamurugan	

<p>Dr.Manikandan Assistant Professor/EEE Christ University , Bengaluru</p>	<p>Dr.B.Vinod Professorand Head Robotics and Automation PSG college of Technology Coimbatore</p>	<p>Dr.S.Arungalai Vendan Associate Professor/ECE Dayanda Sagar University, Bengaluru</p>	<p>Dr.G.Manavaalan Associate Professor/EEE Coimbatore Institute of Technology, Coimbatore</p>	<p>Mr.H.Pratheesh Scientist-E,Control and Instrumentation CDAC Thiruvanthapuram Professor/EEE. Coimbatore Institute of Technology, Coimbatore</p>	<p>Mr. Thiruvalum Marban Manager Vi-Micro Systems, Chennai.</p>	<p>Dr. S. U. Prabha Professor & Head Department of Electrical and</p>
					<p>Webinar Series on Smart Grid Integration & Energy Storage Systems</p>	
					<p>10.07.2021 To 16.07.2021</p>	<p>9. EEE</p>

				<p>Dr. A. Immanuel Selvakumar Professor Department of Electrical and Electronics Engineering Karunya Institute of Technology and Sciences, Coimbatore</p>
				<p>Dr. K. Selvakumar Assistant Professor Department of Electrical and Electronics Engineering SRM Institute of Science and Technology, Chennai</p>
				<p>Mr. K. Maharaja Lecturer Department of Engineering University of Technology and Applied Sciences, Al Musannah, Oman</p>
				<p>Mr. S. Selvakumar Business Head Power Project, Chennai</p>
				<p>Dr. K. Vinoth Kumar Associate Professor, Department of Electrical and Electronics Engineering New Horizon College of Engineering, Bengaluru</p>
10.	06.07.2021	EEE	<p>Webinar on "Simulation Model for Prediction of Optimum fuel economy"</p>	<p>Dr. Mariappan Vallikan Deputy Manager, Valco India Pvt Ltd, Chennai</p>

Sl. No.	Date	EEE	Markets in Power Systems	Consultant / Invited Faculty, Technical training and product development India
12.	29.09.2021	EEE	Distinguished Lecture on "Model predictive control in power electronics: a critical review and recent industrial products"	Dr. Tobias Geyer ABB Corporate Research, Switzerland, and Stellenbosch University, South Africa
13.	23.10.2021	EEE	Distinguished Lecture on "Wide Bandgap (WBG) Power Electronics Systems for Heavy-Duty Vehicles	Dr. Brij N. Singh John Deere Inc., USA
14.	17.01.2022	EEE	Synchronous Technology	Mariselvam Arumuga Research Scholar (PMRF) Department of EEE, National Institute of Technology
15.	18.01.2022	EEE	Industry Expert lecture on "MOTORS FOR INDUSTRIAL APPLICATIONS"	Mr. Kishor Kulkarni Head-Marketing Rajmane Hegde Services (p) Ltd Tumkuru
16.	16.03.2022	EEE	Distinguished Lecture on "Long-horizon finite control set model predictive control: theory, implementation and applications"	Dr. Tobias Geyer ABB Corporate Research, Switzerland, and Stellenbosch University, South Africa
17.	06.08.2021	MBA	Managers of the Future: Career Pathways In Business Analytics	1. Dr. Charu, Financial Consultant, Dubai. 2. Prof. Avv Maria Brucoleri, UAEAsoocation, Italy
18.	14.08.2021	MBA	Analytics : Changing the way business is done	Dr. Neeraj Sharma, Business Analyst, University of Michigan, USA
19.	28.10.2021	MBA	Business Case Development	Dr. Ravichandra Krishnamurthy
20.	14.05.2022	MBA	Workshop on SEO- in digital marketing	Mr. Ashwin, Pachori, Co-Founder

21.	11.11.2021	MCA	Visual Data Analysis using Tableau	Dr. Padmalachini, Technical Expert, Skyfi Labs
22.	08.02.2022	MCA	An insight into Patent Drafting and Filing	Dr. Dipi D Patil, Prof. Dept of IT, MKSSSS'S CUMINS College of Engineering for Women, Pune
23.	06.05.2022 – 10.05.2022	MCA	Insight to TensorFlow	Mr. Koustubh Prem, Associate Data Scientist, Great Learning
24.	18.10.2021 to 22.10.2021	ECE	Next Generation Applications of Artificial Intelligence and Machine Learning for Smart IoT Applications	Mr. Yeswanth Gowd Sr.Data Scientist , HP R&D Center, Bengaluru
				Dr. Shaikh Phiroj Associate Professor Department of Computer Engineering Don Bosco Institute of Technology Mumbai
				Ms. Vansha Kher Senior Assistant Professor Department of Electronics and Communication Engineering New Horizon College of Engineering Bengaluru
				Dr. Pooja Jain Assistant Professor Indian Institute of Information Technology Bengaluru
				Mr. Rajkumar R Senior Application Engineer V I Solutions Bengaluru

25.	23.11.2021 & 24.11.2021	ECE	Two Days Industrial Training Program for Faculty on ASIC Analog and Digital Design Using Mentor Graphics	Mr. Vinnalan Application Engineer CoreEL Technologies Bengaluru
26.	10-11-21	Dept. of Applied Sciences - Physics	Overview of intellectual property rights and patent filing procedure	Dr. Rudresh M. Dayananda Sagar College of Engineering, Bengaluru,
27.	07-06-2021	Dept. of Applied Sciences - Physics	Web of Science & EndNote for researchers	Dr. Subhasree Nag Regional Solutions Consultant for the life Sciences & scholarly research division, Clarivate Analytics USA
28.				Dr. Sandeep Kumar, RRI, Bangalore
29.	6-4-2022	Dept. of Applied Sciences - Chemistry	Materials for Energy Applications (VGST Sponsored)	Dr. Lakshmi Narayanan, RRI, Bangalore
30.	-			Dr. Shivakumara C, IISc, Bangalore
31.	9-4-2022			Dr. Ramakrishna Matte, CeNS, BLR
32.				Dr. Yellammagad, CeNS, Bangalore

Dr. Nataraj, Jain University, Bangalore

Dr. Ganapathi Shanbhag, PPSR, Bangalore

Dr. Daruka Prasad B, BMS Institute of Technology, Bangalore

33.				
34.				
35.				
36.				

3.10 Psychometric Tests for staff

CMAA9 - Competency
Management as a Service



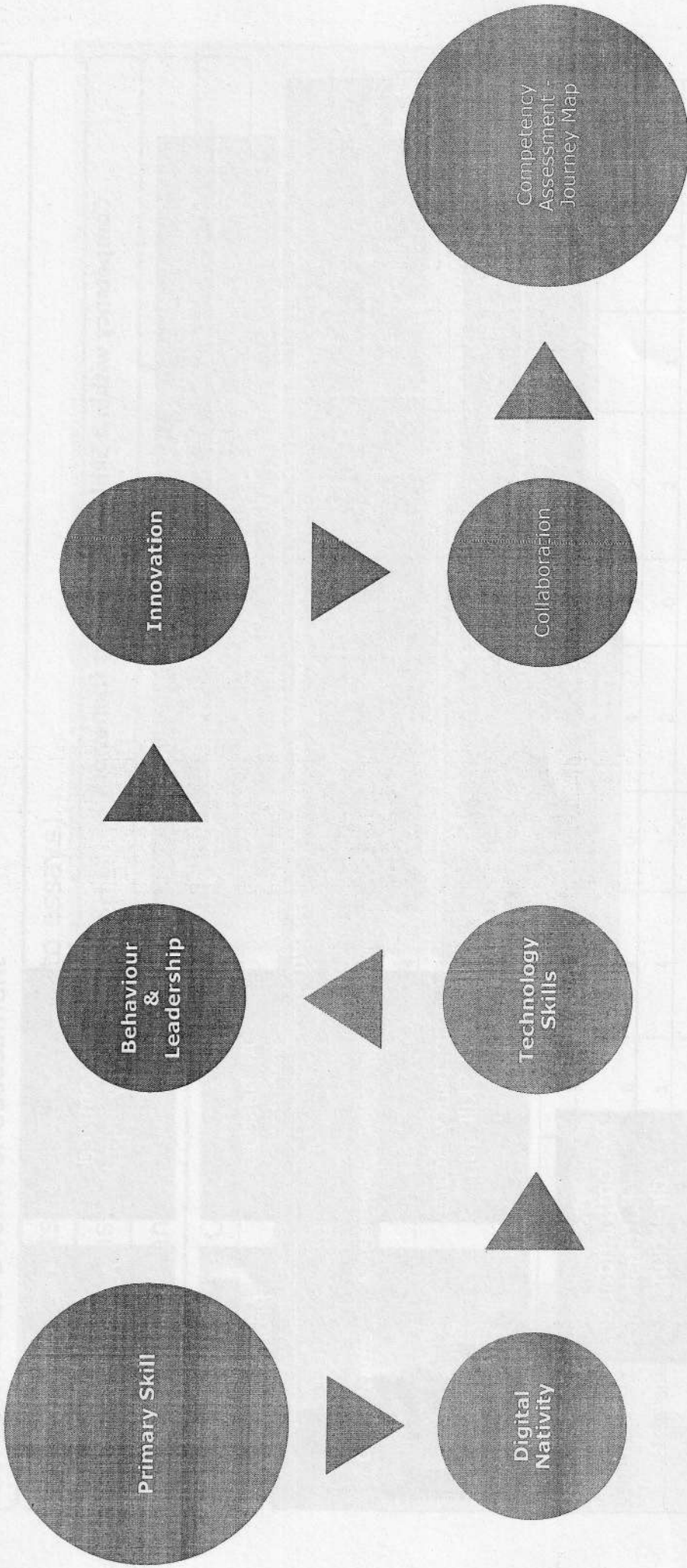
CMAaaS - Competency Management as a Service

CMAaS - Competency Management as a Service

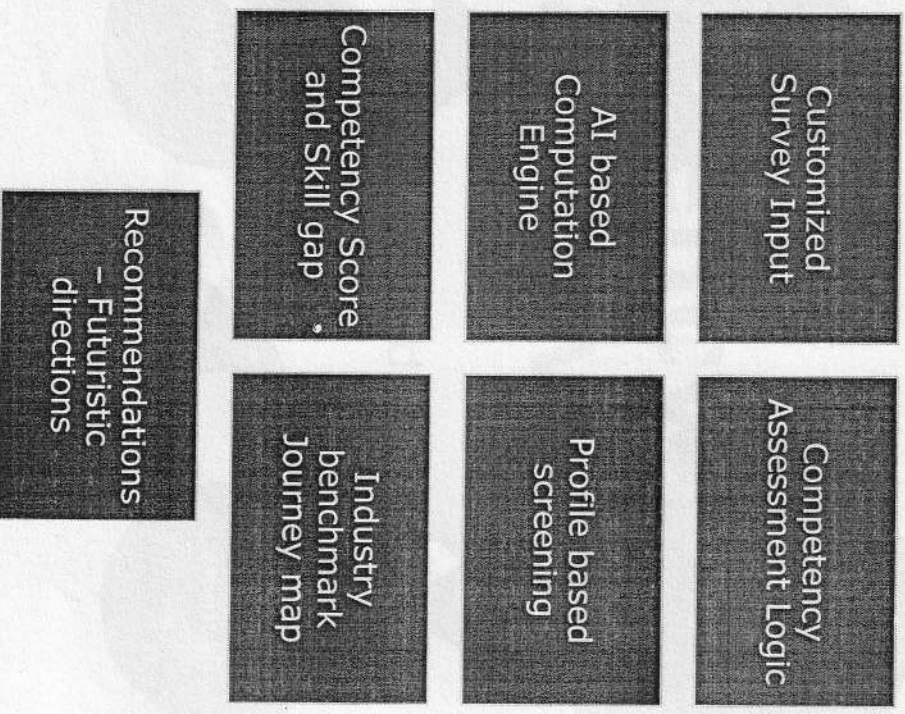
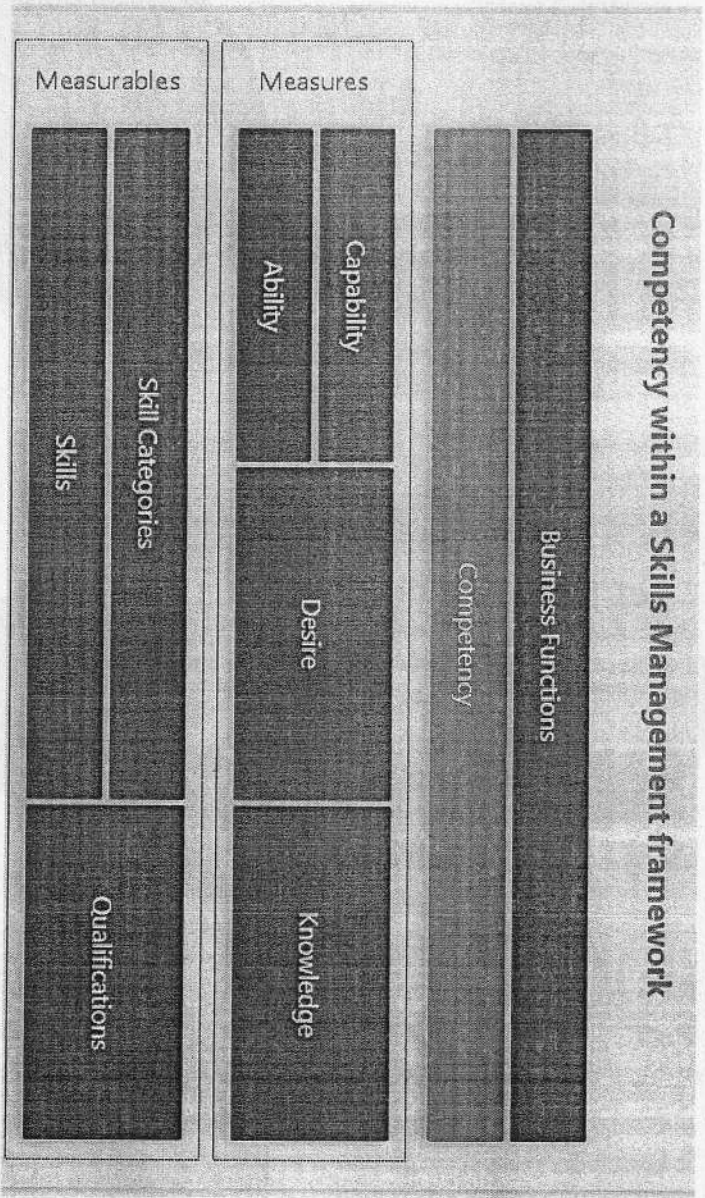
ALDP Continues Cycle – Assess, Learn, Develop and Perform

Transformation Journey towards Excellence

CMaas – Evaluation Matrix



Our Offerings – Innovative Framework, & Approach

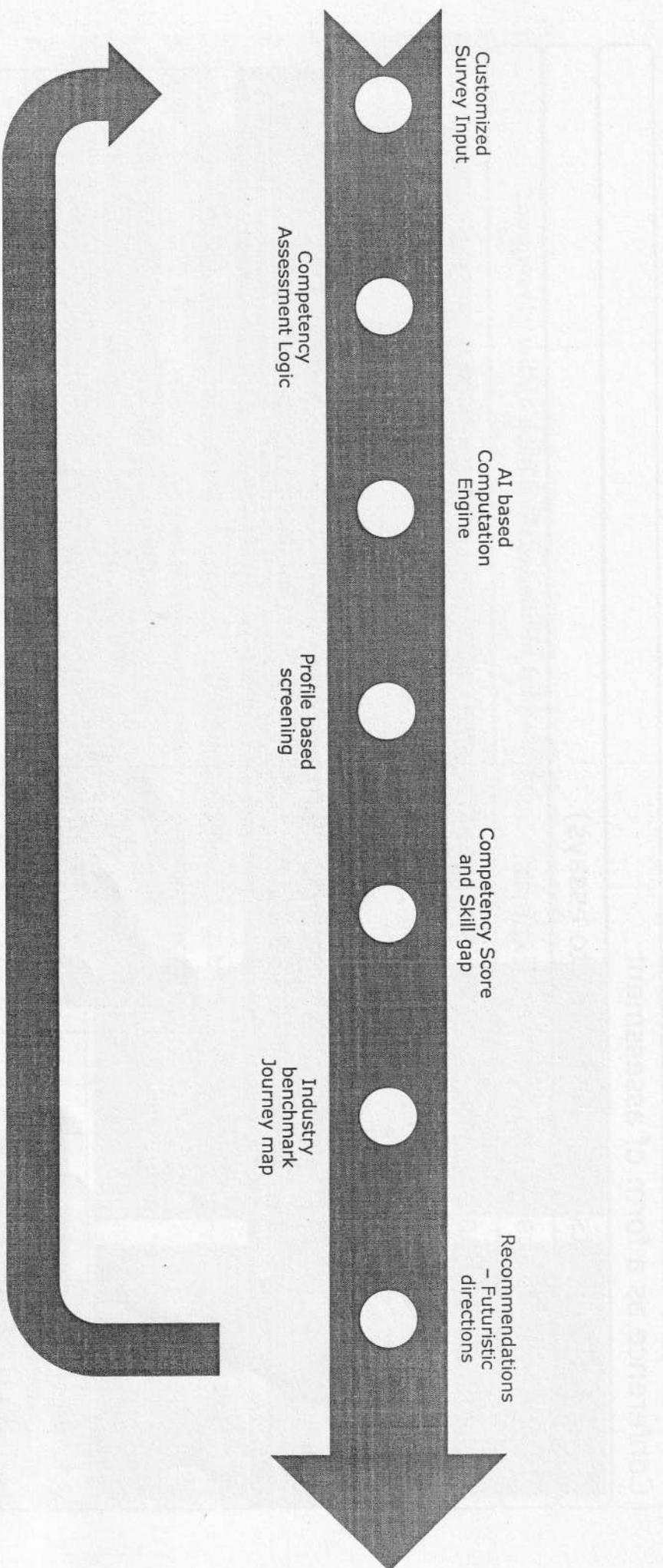


Innovative Assessments and Fluency Framework

- Conference as a form of assessment
- Video assignments (as alternatives to essays)
- Engage with Industry Leaders and Experts
- Role Plays and Panel Discussions on Applicability
- Group work on a Collaboration platform

Competency Fluency Framework												
Competencies	Faculty 1		Faculty 2		Faculty 3		Faculty 4		Faculty 5		Interest	Interest
	Competency	Interest	Competency	Interest	Competency	Interest	Competency	Interest	Competency	Interest		
Primary Skill	4	1	4	1	1	1	2	1	2	2	1	1
Digital Nativity	1	1	2	3	Sample Scoring Pattern		3	1	3	1	1	1
Technology Skills	1	0	1	0			2	1	1	1	1	0
Behaviour & Leadership	2	0	1	0	4	1	2	1	2	2	1	1
Innovation	3	1	4	1	2	0	2	1	2	2	1	1
Team player	1	1	1	0	2	0	4	1	4	4	1	1

Duration – 4 to 12 weeks : Iterative & Collaborative



Our USP – Innovative Assessments

Conference as a form of assessment

Video assignments (as alternatives to essays)

Engage with Industry Leaders and Experts

Role Plays and Panel Discussions on Applicability

Group work on a Collaboration platform

NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF RESEARCH & DEVELOPMENT

Faculty enrolled for workshops

3.11 Report Faculty enrolled for workshops/ seminars, paper published, MOOC

Sl. No.	Parameter	Number
1	Total No. of FDPs attended by Faculty of Department	10
2	Total No. of Seminars Attended by Faculty of Department	10
3	Total No. of MOOCs attended by Faculty of Department	10
4	Participation	10

NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF RESEARCH & DEVELOPMENT

Faculty enrolled for workshops

Sl. No.	Parameter	Number
1	Total No. of FDP Attended by Faculty of Department	239
2	Total No. of Seminar Attended by Faculty of Department	118
3	Total No. of MOOC Attended by Faculty of Department	89
4	Paper Published	157

NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF RESEARCH & DEVELOPMENT

Report on in-house and external Conferences

3.12 Report on in-house and external Conferences, Seminars conducted

Parameter	Quantity
Total No. of Conferences (Internal) Conducted	03
Total No. of Conferences (External) Conducted	23/01
Total No. of Seminars (Internal) Conducted	24
Total No. of Seminars (External) Conducted	02

NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF RESEARCH & DEVELOPMENT

Report on in-house and external Conferences

Sl. No.	Parameter	Number
1	Total No. of Conference (Internal) Conducted	01
2	Total No. of Conference (External) Conducted	01
3	Total No. of Seminar (Internal) Conducted	29
4	Total No. of Seminar (External) Conducted	22

4	OTHER ITEMS
4.1	Review of R & D Activities
4.2	Review of Placement Status, Centre of Excellence
4.3	Budget Plan for the year 2022-23
4.4	Report on Sports Achievements
4.5	Report on Co Curricular Activities
4.6	Report on Extra Curricular Activities
4.7	Report on Alumni Association Activities
4.8	Report on Entrepreneurship Development Cell & Incubation Cell Activities
4.9	Report on Students Achievements

4.1 Review of R & D Activities

NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF RESEARCH & DEVELOPMENT

Review of R&D Activities

1. Research Initiatives:

- i. Research promotion policy was devised during December 2021, which is approved by Principal and Management. Research Promotion Policy will provide incentives and other benefits for faculty members. The incentives are provided for quality research publications, consultancy, funded R & D projects / research grants.
- ii. **Research Progress Evaluation Committee** is framed to guide and evaluate faculty members to publish Research Articles in Scopus / WoS Indexed conferences and Journals. The Committee is chaired by Principal, NHCE. The Committee will motivate faculty to publish patents and work towards consultancy and Research grants. The Committee is constituted for betterment of research activities in the Institute which enhance and betterment of NIRF Ranking / NAAC / NBA / ARIIA and other ranking and accreditation systems.
- iii. Publishing final year project into Research articles indexed in Scopus / WoS is made mandatory during 7th and 8th Semester of Engineering degree.
- iv. A **Memorandum of Understanding** was signed with S R Innovative Technologies Bangalore-72, on 19/01/2022. S R Innovative Technologies will assist faculty in preparing project proposals and getting research grants from both Government and Non-Government funding agencies
- v. Progress of PhD. Scholars is evaluated and meeting of "**Research Scholars Progress Evaluation**" of PhD. Scholars is conducted every quarter. First meeting was conducted on 21st January, 2022 and the second was conducted 14th May, 2022
- vi. Department of R&D streamlined the **patent filing** process with "**New Horizon college of Engineering**" as applicant and faculty members of Inventors.

2. Research Activities Conducted:

- i. Department of Research and Development conducted a technical talk on "Become an Inventor Now" by Dr. Dinesh K Anvekar, Professor, Department of ECE, RNS Institute of Technology, Bangalore. The talk was organised on 04/12/2021 at NHCE Auditorium which was attended by 100 faculty members of NHCE. The talk gave an awareness about importance of patenting the idea and the procedure involved in patenting.
- ii. Dr. Siddesh. G.K., Head Research and Development briefed about the Research Initiatives and Importance of Research in present scenario during induction program for newly joined faculty members on 24/02/2022 at Library Auditorium and on 22nd April, 2022 at Library Auditorium.
- iii. Department of Research and Development conducted a 5 days of Faculty Development Program on Recent Trends in Innovative Research Using MATLAB / PYTHON & Patent Drafting. It was organized from 08/04/2022 to 13/04/2022,

- iv. A Talk on - Importance of Patent drafting and converting UG projects into patents was delivered by Dr. Agalya and Dr. Adhikary to the students of ECE, EEE and CSE students

3. Research Progress:

Research Publications:

An Initiative to publish students' projects in Scopus / WoS Publications and encouraging faculty members for Collaborative research with Researchers Aboard and Industries has resulted in increase of a number scholarly articles

Year	Scopus Indexed Publications	WoS Indexed Publications	Total
2016	31	9	40
2017	36	11	47
2018	46	14	60
2019	67	26	93
2020	75	30	105
2021	120	39	159
2022 (As on 16 th May, 2022)	157	32	140

Research grants / funds received

A Total of Rs. 36,60,000 (Thirty-Six Lakhs Sixty Thousand Rupees) has been sanctioned from various funding agencies during AY 2021 -22

Sl No.	Name of the Principal Investigator/ Co-Investigator (if applicable)	Department of the Principal Investigator/ Co-Investigator	Name of the Funding Agency	Funds provided (INR in Rs.)
1	Dr. Arun Babu	Mechanical Engineering	KSCST	60,000
2	Dr. Sheelan Mishra	MBA	AICTE	11,75,000
3	Dr. Revathi. V / Dr. Prashanth	Physics	VTU	7,00,000
4	Dr. Sanjeev Sharma / Dr. Gurulakshmi	ELECTRONICS AND COMMUNICATION ENGINEERING	VTU	15,00,000
5	Dr. Thirukkumaran	Computer Science and Engineering	AICTE	2,25,000

A Total of 65 projects has been sanctioned by Karnataka State Council for Science and Technology (KSCST) under Students Project Proposal (45th SPP) program. An amount of Rs. 3,67,500 (Three Lakhs Sixty-Seven Thousand Five Hundred Rupees) has been received by KSCST. NHCE has been sanctioned highest number of projects under 45th SPP in Karnataka.

Patents published :

A total of 73 Indian Patents have been published during Academic Year 2021- 22

Consultancy:

- Civil Engineering department has received, work order of Rs. 56,00,000 (Fifty-Six Lakhs) is received from Karnataka Rural Infrastructure Development Limited (KRIDL)
- An amount of Rs. 7,52,000 (Seven Lakh Fifty Two Thousand Rupees) has been received by various Consultancy agents or Organizations.

Sl. No.	Faculty Name	Department	Consultancy Agent	Amount (Rs.)
1	Dr. Siddesh G.K	R&D / ECE	BITS, PILANI RAJASTHAN	2,35,000
2	Mrs. Jayashree	CSE	BITS, PILANI RAJASTHAN	1,42,000
3	Dr. Anandhi & Dr. Gautham	ISE	Agrim Housing Finance Private Limited, Mumbai	3,75,000

Research Center Details:

A total of 28 Research Scholars have registered to pursue PhD from VTU, Belagavi in NHCE research center during AY 2021 -22

Two Research scholars are awarded PhD from VTU during AY 2021 -22

Research Proposals Submitted:

A Total of 52 Research project proposals has been submitted to various funding agencies during Academic Year 2021-22. The funding agencies to which proposals are submitted are VGST, CPRI, DST, AICTE etc.

Sl. No	Funding Agency	Numbers of Proposals Submitted
1	Vision Group of Science & Technology (VGST)	40
2	AICTE - ATAL	05
3	SERB-DST	03
4	CPRI	01
5	DST	03

4.2 Review of Placement Status, Centre of Excellence

NEW HORIZON COLLEGE OF ENGINEERING

Dept of HRD (L&D and P) 2020-2021 & 2022 Batch - Placement Data

Sl No	BRANCH	2020	2021	2022
1	ENGINEERING / MCA / MTech	750	751	1220
2	MBA	69	68	104
3	BCA / BBA / B.Com	207	181	224
Total No. of Placements Year wise		1026	1000	1548

NEW HORIZON COLLEGE OF ENGINEERING

Dept of HRD (CR, L&D and P)
2022 Batch - Placement Data

Branch	Total Strength	Registered for Placements	No of Students Placed	Number of Offers
AU	63	37	16	17
CSE	310	275	267	359
CV	165	65	29	31
ECE	223	180	171	215
EEE	120	110	92	105
ISE	154	135	130	203
ME	190	120	93	107
MTECH	15	10	7	7
MCA	207	170	149	176
MBA	180	130	99	104
BBA/ B COM/ BCA -NHCM	478	230	95	112
BBA/ B COM/ BCA -NHCK	387	219	92	112
TOTAL	2492	1681	1240	1548

NEW HORIZON COLLEGE OF ENGINEERING

Dept. of HRD (CR, L&D & Placements)

Consolidated COE Labs Status:

1. **Altair AI/ML/Data Analytics Lab:** This Lab belongs to AI/ML Department and got inaugurated on 24th Sep 2021. Configuration of software is completed. Our students are getting trained on AI/ML/Data analytics technologies used by Altair.
2. **Capgemini DEMS Lab:** This Lab belongs to Mechanical Department and got inaugurated in Sep 2019. There are 32 Systems available in the lab and in the month of October 2021 got configured with CATIA and PLM TXO software to facilitate Capgemini PLM training. Each year 25 students get placed in this technology by Capgemini.
3. **Capgemini VLSI Lab:** This Lab belongs to Electronics and Communication Department and MOU signed in the month of Aug 2021. This Lab got inaugurated in the month of Feb 2022. Lab is fully functional and around ninety students from ECE & EEE getting trained. Minimum ninety students who are trained on VLSI will be hired by Capgemini every year.
4. **Capgemini Industry 4.0 Lab:** This Lab belongs to Mechanical Department. This Lab got inaugurated in the month of Feb 2022. Lab is fully functional and around forty students from all branches already offered by Capgemini getting trained.
5. **CISCO Lab:** This Lab belongs to Electronics and Communication Department and provides training on networking, switching and routing.
6. **HP Vertica Lab (Microfocus Lab):** This Lab belongs to Computer Science Engineering and students get trained on Big Data, Hadoop, Data mining and Data warehouse.
7. **Vertica lab** is now known as Microfocus lab.
8. **IBM OpenPOWER Lab:** This Lab belongs to AI/ML Department and got inaugurated in Jun 2021. Configuration of software is done. There are two faculties from AI & ML Department getting trained by IBM OpenPOWER. Students get training on AI/ML and HPC used in industries.

9. **RPA BOT Lab:** This Lab was set up with the help of Automation Anywhere and belongs to Computer Science Engineering. This lab got inaugurated in the month of May 2022. Students will be trained on automation 360 degree.
10. **SAP Lab:** This Lab belongs to Mechanical Department. Apart from Engineering students MBA students also get trained on SAP. Each year MOU is renewed in the month of Sep by Victoria University from Australia.
11. **Schneider Electric Lab:** This Lab belongs to Electrical & Electronics Engineering Department. Post expiry of MOU, we are permitted to continue with Schneider name and their assistance on technical upgradation as and when required. Study abroad program process initiated with ESIGELEC. Currently 10 students are pursuing internship in France and selection for next batch is in progress.
12. **VMware Lab:** This Lab belongs to Information Science & Engineering Department and provides training on virtualization. Yearly license fee paid in the month of July. Students get placed through Nalanda program. Students have opportunity to attend campus recruitment for other verticals of virtualization as well.
13. **Capgemini 5G Lab:** NHCE signed an MOU with Capgemini in the month of Feb 2022 to set up 5G Lab. Theory training on 5G already started and their practical training will be completed in next semester. The lab renovation is in progress and likely to be functional by June 2022. There are 30 students opted 5G and all will get placed in Capgemini.
14. **Oracle Academy Lab:** This lab belongs to AI ML department. Free license provided by Oracle that helps faculty and students to upgrade their technical knowledge on emerging technologies.

Following Industry Centre of Excellence by EduSkills (approved by AICTE) post acquiring membership is being set up in NHCE:

- **AWS Academy**
- **Microchip**
- **Juniper**
- **Red Hat Academy**
- **Celonis**
- **Paloalto Cybersecurity Academy**
- **Blueprism Academy**
- **Fanuc**

4.3 Budget Plan for the year 2022-23

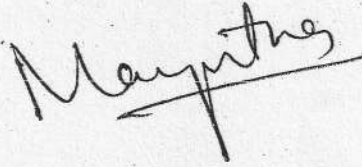
NEW HORIZON COLLEGE OF ENGINEERING

CONSOLIDATED BUDGET PLAN FOR THE YEAR 2022-23

Dept	By Dept	Budget Allocated
1 Auto	40,75,000.00	31,70,000.00
2 Applied Sciences	97,65,000.00	85,00,000.00
3 AIML	64,00,000.00	60,00,000.00
4 Civil	1,19,00,000.00	99,00,000.00
5 CSE	3,14,50,000.00	2,38,00,000.00
6 CE	54,70,000.00	42,55,000.00
7 ECE	2,56,00,000.00	2,24,50,000.00
8 EEE	1,10,00,000.00	90,50,000.00
9 ISE	1,19,50,000.00	1,00,75,000.00
10 MEE	91,25,000.00	77,70,000.00
11 MBA	1,06,00,000.00	90,50,000.00
12 MCA	1,07,00,000.00	89,00,000.00
13 Library	54,65,000.00	52,05,000.00
14 Buildings, Office & General	3,00,00,000.00	3,00,00,000.00
Total	17,94,25,000.00	15,49,55,000.00

NEW HORIZON EDUCATIONAL INSTITUTIONS

SR. EXECUTIVE DIRECTOR
ACCOUNTS & FINANCE



Principal
New Horizon College of Engineering
Ring Road, Bellandur Post
Bengaluru - 560 103

4.4 Report on Sports Achievements

(The following text is extremely faint and illegible due to low contrast and scan quality. It appears to be a series of paragraphs or a list of items related to sports achievements.)

NEW HORIZON COLLEGE OF ENGINEERING

Department of Physical Education & Sports

Sports Achievements in the Year-2020-21(Even Semester)

BASKETBALL (Women)

1. II Runners Up in "Malleswaram Cup Basket Ball (Women) Tournament-2020" held at Malleswaram, on 25th Jan To 2nd FEB 2020
2. Runners Up in "SPIEL Cup Basket Ball (Women) Tournament-2020" held at St. Joseph college of commerce, on 8th Feb To 13th FEB 2020
3. Winners in " R V C E Momentum-2020 " Inter Collegiate Basket Ball (Women) Tournament held at R V C E, on 22nd To 24th FEB 2020

VOLLEYBALL (Men)

1. Runners Up in " UMANG 2020 " Inter Collegiate Volleyball (men) Tournament held at IITB, on 1st & 2nd FEB 2020
2. Runners in " R V C E Momentum-2020 " Inter Collegiate Volley Ball (Men) Tournament held at R V C E, on 22nd To 24th FEB 2020
3. Runners in VTU Bangalore Central Zone Volley Ball (Men) Tournament-2020-2021 Held at HKBKCE, Bangalore, on 5th & 6th March 2020.
4. II Runners in VTU Inter Zone Volley Ball (Men) Tournament-2020-21 Held at SDMCET, Dharwad, on 9th & 10th March 2020.

VOLLEYBALL (Women)

1. II Runners in VTU Bangalore Central Zone Volley Ball (Women) Tournament-2020-2021 Held at KIT, Tiptur, on 13th & 14th March 2020

POWER LIFTING (M)

1. 1 GOLD Medal in (83kg category) Bangalore Power lifting Association (M&W) competition 2020 held at Super Bodies Fitness Centre Bangalore, on 8th February 2020.

Kabaddi (Men)

1. Runners Up in "SPORTAKES 2020" Kabaddi (Men) Tournament Held at St. Joseph college (Autonomous) on 24th Feb To 27th FEB 2020

BASKETBALL (Men)

1. Winners in " DEVADAN CUP 2020 " Inter Collegiate Basket Ball (Men) Tournament held at Christ University, on 27th To 29th FEB 2020

HANDBALL (Men)

1. Runners in " DEVADAN CUP 2020 " Inter Collegiate Hand Ball (Men) Tournament held at Christ University, on 27th To 29th FEB 2020

Department of Physical Education & Sports
Sports Achievements in the Year-2021-22(Odd Semester)

Table Tennis (Women)

1. Runners in VTU Bangalore Central Zone Table Tennis (W) Tournament-2021-2022 Held at Vemana IT, Bangalore, on 24th & 25th November 2021.
2. Runners in VTU Bangalore Central Zone Table Tennis (W) Tournament-2021-2022 Held at RVCE, Bangalore, on 27th & 28th November 2021.

Volleyball (Women)

1. Runners in VTU Bangalore Central Zone Volleyball (W) Tournament-2021-2022 Held at NIMT, Bangalore, on 29th & 30th November 2021.

Volleyball (Men)

1. Winners in VTU Bangalore Central Zone Volleyball (M) Tournament-2021-2022 Held at CMRIT, Bangalore, on 29th November and 9th December 2021.

Kabaddi (Men)

1. Winners in VTU Bangalore Central Zone Kabaddi (M) Tournament-2021-2022 Held at HKBKCE, Bangalore, on 14th December 2021.
2. Second Runner-Up in VTU Inter Zone Kabaddi (M) Tournament-2021-2022 Held at Dr.TTIT, KGF, on 16th and 17th December 2021.

BASKETBALL (Women)

1. 7. Second Runner-Up in VTU Bangalore Zone Basketball (W) Tournament-2021-2022 Held at BMSCE, Bangalore, on 16th to 18th December 2021.

Wrestling and Judo (Men)

1. 1 Gold medal & 4 Silver medals in VTU Single Zone Inter-collegiate Wrestling & Judo (M&W) competition 2020-21 held at KLS VDIT Haliyal, on 16th & 17th Dec 2021.

Hockey (Men)

1. Runners in VTU Bangalore Central Zone Hockey (M) Tournament-2021-2022 Held at CMRIT, Bangalore, on 18th December 2021.

Department of Physical Education & Sports
Sports Achievements in the Year-2021-22(Even Semester)

Table Tennis (Women)

1. Runners in ALTHLOS Table Tennis (W) Tournament-2022 Held at Alliance University Bangalore, on 26th to 29th April 2022

Volleyball (Men)

1. Runners in Chri-Spo Volleyball (M) Tournament-2022 Held at Christ University Bangalore, on 19th to 22nd April 2022

NEW YORK STATE COLLEGE OF ENGINEERING
THE CITY UNIVERSITY OF NEW YORK

4.5 Report on Co-Curricular Activities

NEW HORIZON COLLEGE OF ENGINEERING

REPORT ON CO-CURRICULAR CLUBS

For the Academic year 2021-2022, 4 new Clubs were added with a Total of 31 Student Co-curricular Clubs.

S.NO	Department	Name of the Club
1	AI & ML	brAIInIacs Club
2	Computer Engineering	CE.net Club
3	ECE	Rocketry Club
4	MBA	Start-Up Club

Name of the faculty	Designation	Department	Role
Dr. Piruthiviraj P	Associate Professor	ECE	Club Activity Incharge

12	NITE CLUB	ISE
13	SWIMMING CLUB	AI & ML
14	CE.net CLUB	CE
15	ACUMEN CLUB	MBA
16	ED CLUB	MBA
17	START-UP CLUB	MBA
18	FOSS CLUB	MCA
19	GDAP CLUB	MCA
20	AUTOMANIACS CLUB	AUTO
21	SAP CLUB	AUTO
22	AVISHKAR CLUB	CIVIL
23	IRAKRUTHI CLUB	CIVIL
24	GREEN ENERGY CLUB	FEED
25	ESoP CLUB	FEED
26	EL-CREATES-IT	FEED
27	MECH HORIZON CLUB	MECH
28	ROBO HORIZON CLUB	MECH
29	SAP CLUB	MECH
30	MATH HORIZON CLUB	APPLIED SCIENCES
31	GENESIS CLUB	APPLIED SCIENCES

For the Academic year 2021-2022, 27 Co-curricular clubs were functioning and each club faculty club coordinating with 1 student core members identified as president, vice president secretary treasurer and 7 board members.

List of Student Co-curricular Clubs

Academic Year 2021-2022

S.NO	CLUB NAME	DEPARTMENT
1	TSC CLUB	ECE
2	EHC CLUB	ECE
3	PCC CLUB	ECE
4	ROCKETRY CLUB	ECE
5	ACE CLUB	CSE
6	BIT CLUB	CSE
7	MD CLUB	CSE
8	i-SWET(G) CLUB	ISE
9	i- SCRUM CLUB	ISE
10	i-CSEH CLUB	ISE
11	VITA CLUB	ISE
12	NOTE CLUB	ISE
13	brAInIAcs CLUB	AI & ML
14	CE.net CLUB	CE
15	ACUMEN CLUB	MBA
16	ED CLUB	MBA
17	START-UP CLUB	MBA
18	FOSS CLUB	MCA
19	EDAP CLUB	MCA
20	AUTOMANIACS CLUB	AUTO
21	SAE CLUB	AUTO
22	AVISHKAR CLUB	CIVIL
23	PRAKRUTHI CLUB	CIVIL
24	GREEN ENERGY CLUB	EEE
25	E-Soft CLUB	EEE
26	U-CREATE CLUB	EEE
27	MECHORIZON CLUB	MECH
28	ROBOHORIZON CLUB	MECH
29	SAP CLUB	MECH
30	MATH HORIZON CLUB	APPLIED SCIENCES
31	GENESIS CLUB	APPLIED SCIENCES

During the Academic year 2020-2021, 27 Co-curricular clubs were functioning and each club has a faculty club coordinator with 11 student core members identified as president, vice-president secretary treasurer and 7 board members.

Co-curricular Clubs Faculty Coordinators

DEPARTMENT	NAME OF STUDENT CLUB	FACULTY COORDINATOR
CSE	ACE TECH	Ms. Pramilarani K
	MOBILE APP DEV	Ms. Tinu N S
	BIT	Ms.Subhashree Rath
ISE		Prof.Mounica B
	i-SWET	Prof. Latha S S
		Prof. Suvika K V
	i-SCRUM	Prof. Bilvika K M
		Prof.Vandana .C.P
	i-CSEH	Prof. Shanmugam Shoba M
	VITA	Prof. Swathi B
	Prof. Karthik	
	NOTE	Prof. Lohitha
ECE	PROFESSIONAL CONNECT CLUB	Dr Gurulakshmi A B
		Prof. Divya Sharma
	TECHNOLOGY SHARING CLUB	Prof.Vansha Kher
		Prof. Deepak S
	ELECTRONICS HOBBY CLUB	Dr Rajesh G
	Prof. Richard Linclon Paulraj	
	NEW HORIZON ROCKETRY	Prof. Lipsa
MCA	EDAP CLUB	Dr. Arpana Prasad
	FOSS CLUB	Prof. Govindaraju
MBA	ACUMEN CLUB	Prof. Pavithra S
	START UP	Prof. Sacumi
	ED CLUB	Prof. Sacumi
BASIC SCIENCES		Dr Rohini B
	Genesis Club /Math Horizon Club	Prof. Asha
		Dr. Jeyanthi Mishra
		Dr D D Padma Priya
MECH	MECHORIZON CLUB	Prof. Vinay
	ROBOHORIZON CLUB	Prof. Sudarshan T A

	SAP NEXT-GEN CLUB	Dr. Puneeth H V
CIVIL	AVISHKAR CLUB	Prof. Geethu V
	PARKRUTHI CLUB	Prof. Serin
AUTOMOBILE	AUTO MANIACS CLUB	Mr Karthik
	SAE CLUB	Prof. Smitha B S
EEE	GREEN ENERGY CLUB	Prof. Vinod Kumar S
	U CREATE	Dr. Singaravelan
	E-SOFT CLUB	Dr. Sujitha
AI & ML COMPUTER ENG.	BRAINIACS CLUB CE. NET CLUB	Prof. Kavya shree Prof. Rahul

Student Club Events:

Each Co-curricular club conducts minimum 2 events per semester.

For the academic year 2021-2022 (**ODD Semester 2021**), All the Clubs have conducted 2 events. During the academic year 2020-2021, Clubs activities were conducted in online mode. During the odd semester 2020, 25 events were conducted followed by the even semester 2021 where 38 events have been conducted.

Generally, the co-curricular clubs conduct technical quiz, technical talk hand-on sessions, technology awareness programs, hackathons, workshops, seminars, tech fests, webinars and campaign programs.

NEW HORIZON COLLEGE OF ENGINEERING

Ref No : NHCE/COC/2021-22/001

Date : 26/10/2021

NOTIFICATION

Sub: Constitution of Co-Curricular Committee for the year 2021-2022

The Co-Curricular Committee has been constituted for Co-Curricular Activities for the Year 2021-2022 with the following compositions:

Sl.NO	NAME	DESIGNATION	ROLE
1	Dr. Manjunatha	Principal	CHAIRMAN
2	Dr. Rajalakshmi	HOD-CSE	MEMBER
3	Dr. Niranjana	HOD-CIVIL	MEMBER
4	Dr. Anitha S Rai	Dean Library and Alumni Relations	MEMBER
5	Dr. Mohan Kumar Naik	Professor-ECE	MEMBER
6	Dr. Puneeth H V	Associate Professor- Mechanical	MEMBER
7	Mr. Tauseef Ahmed	Student Member	MEMBER
8	Mr. Bharatdeep Hazarika	Student Member	MEMBER
9	Dr. Piruthiviraj P	Associate Professor-ECE	MEMBER SECRETARY

The Chairman and Members of the committee are requested to accept the nomination.

Manjutha
PRINCIPAL

STUDENT CLUB EVENTS
ACADEMIC YEAR 2021- 2022
ODD SEMESTER 2021

CSE				
S NO	Name of the Club	Faculty Coordinator	Name of the Events Conducted	Outcome
1	Ace Tech Club	Ms. K.Pramilarani	1. Word war-Tech Debate	To gain communication skill and decision making
2	BIT CLUB	SUBHASHREE RATH	1) INSIGNIA	Gained coding skills
3	MD CLUB	Ms. Tinu N.S	1) Prayukti 2) Technophilia	To gain awareness on Mobile Application Development
ISE				
4	i-SWET(G) Club	Mrs. Mounica B	1.Udhbhava	1. Technical based.
		Mrs. Latha SS	2.Guest Talk	
5	iScrum	Bilvika K M	TECH UMANG	Gained knowledge on technical skills and encourages creativity, thinking and problem solving.
		Suvika K V		
6	i-CSEH	Code-O-Fiesta	M.S.Shobha	Technical contest with quiz,puzzle solving and coding. Aptitude round also included.
			MrsVandana C P	
7	VITA CLUB	Prof. Swathi B	ZYPHER	239 students participated in Zypher where they were awarded the winning titles based on knowledge, accuracy & time.
8	NOTE	Mrs.Kartiyayini Mrs .Lohitha M	1.Incident Brainstorm	1.Technical event based on Basic awareness of advancements in technology, enhancement of coding skills
ECE				
9	TSC CLUB	Prof. Deepak Kumar S N Prof. Vansha Kher	DECO HUNT (Technical Quiz and Technical Treasure Hunt)	Fun based Technical Learning
10	EHC CLUB	Prof. Richard Lincoln Paulraj, Dr. G Rajesh	Pursuing Proteus: Hands-on	Aims in providing the participants the fundamentals of Proteus and hands-on session, construct circuits and design PCB layouts.

11	NEW HORIZON ROCKETRY CLUB	LIPSA DASH	PCB WORKSHOP	Successfully completed, participants were shown and explained the process of manufacturing PCBs at Home
12	PCC	Dr. Gurulakshmi/ Ms.Divya Sharma	Enlightronics	Participants gained knowledge on applications of MATLAB followed by a quiz and fun-filled technical oration.
MECH				
13	MecHorizon Club	Vinay DR	1. Neuro Combat	Great event to Improve students Life Skills and Soft Skills.
14	SAP Next-gen	Dr. Puneeth.H.V	1.SAP Next-Gen Webinar on "The World We Lead Tomorrow"	Discussion on the impact of recent SAP technology in the current market environment.
			2. Technical Quiz Event TRIVIA-LA-SAP(Upcoming)	TRIVIA-LA- SAP is a critical thinking and SAP related event
15	RoboHorizon Club	Sudarshan T A	Ro-Boot!	Students participated in aptitude test and learnt how to attend placements and won books.
CIVIL				
16	AVISHKAR CLUB	Geethu V	One day Workshop "Civileers"	Knowledge on Civil Engg
			Webinar on Sustainability New Key driver of Innovation	Knowledge on Civil Engg
17	PRAKRUTHI CLUB	Ms. Serin Issac	PSITHURISM – A Green Voyage	Conducted on 20 th December 2021
AUTOMOBILE				
18	Automaniacs	Prof. Karthik A V	Sketch-Off	Drawing competition to sketch off-rovers and earth movers.
			AUTO TRIVIA	Quiz on iconic car movies and motorsport.

19	SAE	Sr.Asst Prof. SMITHA BS	Auto Adventure	To Learn Automobile Applications
EEE				
20	ESoft Club	Dr.S.Sujitha	Simulate It! (Hackathon) on 12th October, 2021	1. Understand about the various software tools available for Electrical and Computer Engineering 2. Learn simulation softwares by self-learning.
21	Ucreate Club	Dr. A. Singaravelan	Think Like an Entrepreneur	Promote their ideas and innovation into a business model
		Mr. Mohan BS		
MCA				
22	EDAP	Dr. Arpana Prasad	Event to be held on 17-12-2021	Demonstrate knowledge about upcoming technologies and apply e-designing skills to create new designs.
			Stratagem – Logo Designing	
MBA				
23	Acumen Club	Pavithra S	1. Battle of Minds 12 and 13 July 2021	2. To give students a platform to understand the baics of various companies to give them a basic understanding of real time marketing
			2. Mind Spark on 24 Feb 2021	
Basic Science				
24	Genesis & Math horizon	Dr.B. Rohini (Physics)	National Mathematics Day	Students participated in the Event and gained the basic knowledge on Maths.
		Dr. Padmapriya (Mathematics)		
		Dr. Jeyanthi Mishra (Chemistry)		
		Aasha (Mathematics)		
CE				
25	BrAIInIacs Club	Kavyashree C	Seminar on “Industrial Exposure in AI & ML”	Practical usage of AI & ML concepts in Industry

			Vas-CodeA-Game	Help students to explore currents AI & ML trends in industry
			CUP-DE-VAL	
			10-11th Dec	
26	CE.net	Mr. Rahul B		Test gaming skills

STUDENT CLUB EVENTS

ACADEMIC YEAR 2020- 2021

EVEN SEMESTER 2021 & ODD SEMESTER 2020

S.NO	Name of the Club	Faculty Coordinator	Name of the Events Conducted	Outcome
CSE				
1	Ace Tech Club	Ms.K.Pramilarani	1.Alumini Stories	To gain knowledge on current trend and techniques
			2.Ace the Space	
			1.Copy Cat	
			2.Tri Tech Cup	
2	BIT CLUB	GAGAN SP	1. BITS OF BIZ	Gained technical skills
			2. TECH TALK-COLLABORATION-COMMUNICATION COMPUTING	Gained knowledge on topic with industry expertise
		SUBHASHREE RATH	1. FACTOTUM 2. BIT VISION	Gained Coding and Technical skills with current affairs
3	MD CLUB	Ms. Tinu N.S	1) Apptronics 2.0	To gain awareness on Mobile Application Development
			2) Hands-on Session on Android Studio	
			1) AppWiz	
			2) Desktop based Application Vs Web based Application using Java	
ISE				
4	i-SWET(G) Club	Mrs. Mounica B	1.Data Science with Python	1.Mr. Guruprakash Sivabalan Chairman of Xobin technologies gave a brief description about the Data Science.
		Mrs. Divya	2. Coding Contest.	2. Technical event which is based on the programming languages.
			Seminar on IoT	Understanding IoT Concepts

	iScrum	Gowri Prasad	Online workshop on- HANA	This event gave idea about working of HANA: in memory database and basics of Database.
		K M Bilvika		
5	iScrum	Gowri Prasad	QuBytes 2021- TECHVRISHTI	Helped participants to gain knowledge in different fields of technologies. The second round is Treasure seekers tested and developed on creativity and critical thinking the third round believe it or not help them to make quick and efficient decisions.
		K M Bilvika		
6	i-CSEH	No Events were conducted due to Pandemic	MrsM.S.Shobha	No Outcome
			MrsVandana C P	
7	VITA CLUB	Prof. Swathi B	TECHNOWIZZ	The events were focused on technical quizzes,coding, debugging & content virtualization
			VZARDS	
		Dr. Srinivasan L	GEEK INVASION	About 120 Participated where all therounds were held on zoom platform.
			UTKRANTI	
8	NOTE	Mrs.A.Rafega Beham Mr.Gautam K S	1.Code crash	1.Code debugging and problem-solving skill enhancement
			2.Cybernated conflicts and Design overflow	2.Growth and learning in fields of UI and UX
ECE				
9	TSC CLUB	Prof. Deepak Kumar S N Prof. Vansha Kher	PRESENTO – Project modelling and idea showcase event Design and Doodle (Online Event)	Students projected their ideas and recent technologies were showcased

10	EHC CLUB	Prof. Richard Lincoln Paulraj, Prof. G Rajesh	Workshop on LOGISIM Technomela (Inter – Club events)	A hands-on workshop on LOGISIM, topics related to Digital electronics and computer architecture was taught and simulated. In this Technical Fest, we have involved application-based concepts which will test the participant's technical skills. This is the biggest attempt from our technological clubs at ECE Department and we are expecting great success. This event will be a good opportunity for the participants to showcase their knowledge and to have a fun-filled technical experience.
11	PCC	Mr.Naveen/ Dr. Gurulakshmi	Workshop on Learn to Build Arduino Submarine to Develop a 3-D modelled surface water drone	Participants got an insight into how to design water drones.
MECH				
12	MecHorizon Club	Vinay DR	1. Rocket Making Competition 2. Hands on Workshop of Rocket Making 3. CriticIQ Quiz 4. Online CAD Quiz	1. Students got good Exposure on how to make rockets. 2. Students were educated about the rockets by the industry professionals and the skill was enhanced to students.

13	SAP Next gen	NIL		
14	RoboHorizon Club	Sudarshan T A	1. Robotricks Quiz	1. Online quiz event on more than 10 topics and top scorers got certificates.
			2. Guest Lecture Webinar on ML	2. Students got knowledge on application of ML in business for one hour from a data scientist from USA.
			3. Webinar on arduino	3. One hour session on working of Aurdino, this helped students to build their major projects

CIVIL

15	AVISHKAR CLUB	Geethu V	Webinar on significant career advantage through deep-technical skills + Civil Engineering Managerial Acumen	Benefitted with their Domain Knowledge
16	Ms. Serin Issac	1. Webinar on RENEWABLE AND NON-RENEWABLE ENERGY CONSERVATION AND POLLUTION CONTROL	To create an insight into the current scenario of renewable energy and its importance for the sustainable development of the nation.	Benefitted with their Domain Knowledge

AUTOMOBILE

17	Automaniacs	Prof. Karthik A V	AUTO QUIZ	Benefitted with their Domain Knowledge
			Sustainable development & circular economy- The need of the hour	
	Automaniacs	Prof. Karthik A V		

18	SAE	Sr. AsstProf.SMITHA BS	Webinar on SET BACK TO COME BACK	Benefitted with their Domain Knowledge
			Auto Quest	
EEE				
19	ESOFT Club	Ms. Deepa V B	A 9 Days Crash Course "SoftVidya" From 11th November to 16th December, 2020	1. Understand the conceptual as well as practical knowledge of electrical domain latest
	Ucreate Club	Dr. A. Singaravelan	Hult Ideathon-1.0	Students got exposure and learn from various experts around the world
Mr. Mohan BS				
MCA				
20	FOSS Club	Govindaraj M	Expert talk on "Workflow Automation"	Able to learn the benefits of automation
	FOSS Club	Govindaraj M	"Tech Minds" A technical Competition	Helps in placement of the student
	FOSS Club	Govindaraj M	Expert talk on "Insights into Python programming"	Learnt Python Programming Skills
	FOSS Club	Govindaraj M	Code 2K21	Helps in placement of the student
21	EDAP	Prof. Kavitha S N	RENDEZVOUS	To enable students to get expertise and knowledge about designing tools and techniques using the various online platforms that are easily available.
	EDAP	Prof. Kavitha S N	Info-Session- Scene the serenity	To enhance and sharpen the presentation skills of students.
	EDAP	Dr. Sreekanth R.	Design for DigiMark	To enhance the Digital Marketing Skills in students.

	EDAP	Dr. Sreekanth R.	Virtuoso	The event enables students to get the expertise and knowledge about designing tools and enhance their creative thinking ability.
MBA				
22	Acumen Club	Pavithra S	1. Business Acumen Story telling competition	1. To make students understand the power of story telling
			2. Excelsior on 5 th and 7 th October 2020	2. To understand the concept of design Thinking
Basic Science				
23	Genesis & Math horizon	1. Dr. B. Rohini (Physics)	1. BSH CLUBS INDUCTION	Students were explored to exhibit their hidden ideas and Knowledge.
		2. Dr. Padmapriya (Mathematics)	2. IMPROMPTU: ENGLISH EXTEMPORE	
		3. Dr. Piyushi Naughtiyal (Chemistry)	3. Story on canvas, Painting/ sketching competition	
		4. Dr. Suma (Mathematics)	4. Crack the Puzzle – Mathematics Day	
			5. Science Fest – Science Day	

4.6 Report on Extra Curricular Activities

NEW HORIZON COLLEGE OF ENGINEERING

Extra Curricular Clubs

List of Activities conducted for the year 2021-22

No	Date	Event Name	Venue	Organized by
1	22.04.2022	POD (Photography, Painting, Open-Mic & Debate) Competition	NHCE Campus	Rotaract Club
2	05.04.2022 06.04.2022 07.04.2022	QUIZDOM 2.0 Sitcom Quiz OTT Quiz Harry Potter Quiz	NHCE Campus	Literary Club
3	26.03.2022 & 27.03.2022	INFINITE	Online	Photography Club
4	24.03.2022 & 25.03.2022	BOOTCAMP on Professional Ethics	Chanakya Seminar Hall	NSS Club
5	24.03.2022	Stem Cell Registry Camp	Nirvana	Leo Club
6	20.03.2022	Art Club Auditions	Online	Art Club
7	19.03.2022	Digital Poster Making Competition	Online	Media Club
8	18.03.2022	Drama Club Auditions	Dance Studio, Chhatrapati Shivaji block	Drama Club
9	12.03.2022	Fashion Team Auditions	Auditorium	Fashion Club
10	12.03.2022	Dance Club Auditions	Dance Studio, Chhatrapati Shivaji block	Dance Club
11	08.03.2022	International Women's Day	Auditorium	NHCE
12	26.02.2022	Inauguration of Dance Studio	Chhatrapathi Shivaji Block	NHCE

			(lower Level)	
13	15.01.2022	Drug Awareness Session	Online	Leo Club
14	10.01.2022 to 13.01.2022	Tribal Community Donation Camp	NHCE Campus	NSS & Rotaract Club
15	27.12.2021	Three Muskeeters	Falconry Seminar Hall	Drama Club
16	22.12.2021	Chai PeCharcha	Umbrella Canteen	Literary & Socio-Political Club
17	20.12.2021	Clean Campus Campaign	All the class rooms	Extra-Curricular Clubs
18	16.12.2021	Vijay Diwas	NHCE Open Stage	Rotaract Club
19	08.12.2021	Spartan Race 2.0	NHCE Campus	Fitness Club
20	25.11.2021	Communal Harmony Campaign Week – Debate Competition “LET’S DEBATE”	Falconry Seminar Hall	Socio-political Club
21	19.11.2021	Communal Harmony Campaign Week – “SLIDE SHARE” PPT presentation on Communal Harmony (In shaping the future of Children)	Library Video Conference Room	Socio-political Club
22	18.11.2021	Photography Competition	College Campus	Photo & Film Club & NSS Club
23	18.11.2021	66 th Kannada Rajyotsava	Auditorium	NHCE
24	18.11.2021	Rangitaranga (Paining Competition)	Reading Hall (Digital Library)	NSS Club & Art Club
25	18.11.2021	NIDHI BETE (Treasure Hunt)	College Campus	NSS Club
26	17.11.2021	Photography Work Shop - A Camera friendly workshop for all camera enthusiasts	Falconry Seminar Hall	Photo & Film Club

27	10.11.2021	Blood Donation Camp	NHCE Campus	Rotary Bangalore Lakeside Club
28	09.11.2021	Quadroccia Event – Face painting & Ramp walk competition	NHCE Main Stage & Umbrella canteen	Art Club & Fashion Club
29	27.10.2021	Diwali Celebration 2021	NHCE campus	NHCE
30	25.10.2021	Amrutha Mahotsava-75 Clean India: Step towards reducing plastic footprint	NHCE	NSS club
31	24.10.2021	World Polio Day	Samsung opera house, Brigade Road, Blore	Bangalore Rotary Lake side Club
32	23.10.2021	Reel Making, Short Movie Making, and Poster Design Competition for students	Online	NHCE
33	21.10.2021 22.10.2021	NHMUN 21	MBA Class room	Literary club & Media club
34	12.10.2021	World Mental Health Day	Open stage	Drama Club
35	11.10.2021	Investiture Ceremony for Extracurricular clubs	Auditorium	NHCE
36	07.10.2021	Visit to Madhu Mansion Charitable Trust which is an orphanage with 38 girls and 3 Boys in Doddanakundi.	Doddanakundi	Leo club
37	28.08.2022	Online Photography Competition	Online (through NHCE official Instagram Page)	NHCE
38	21.08.2021	Experience New Horizon with a Twist	NHCE campus	NHCE
39	15.08.21	Independence Day	NHCE campus	NHCE

NEW HORIZON COLLEGE OF ENGINEERING

EXTRA CURRICULAR ACTIVITIES

To engage students in experiences beyond classroom, New Horizon College of Engineering formed a Student Clubs in the year November 2016. We have 54 students clubs consist of Co curricular clubs, Extra Curricular Clubs and Sports clubs. These Students clubs gives them a chance to develop their social skills, meet new friends and become more confident communicating in groups. Extracurricular activities can also aid in the development of self-esteem and confidence. It is gratifying when we succeed in something we enjoy, especially after working hard to achieve it.

Extracurricular activities are not only for enjoyment. They contribute significantly to the improvement of grades, to learning various skills, to garnering a sense of commitment, and to increasing one's social circle. All of this makes one's academic experience fulfilling and enriching.

NHCE students have participated in various other college Fests and brought laurels to the college.

External Achievement for the year 2021-22

SL NO	EVENTS	DATE	PARTICIPATED BY	RESULT
1	Samskruthi 2022 Fashion Show Competition organized by East Point Group of Institutions	14.05.2022	Fashion Team	Third Place in Fashion Show competition
2	Manan Cultural Fest Organized by Mount Carmel College	20.04.2022	Media Club	Mr. Ateek won third place in Stand-up Comedy and Personality
3	Element 7 Cultural Fest 2022 – organized by Krupanidhi Group of Institutions	30.04.2022	Dance Club	First Place and Third place in Group Dance, Indian and
4	Element 7 Cultural Fest 2022 – organized by Krupanidhi Group of Institutions	30.04.2022	Fashion Club	First Place in Fashion show competing
5	Art Battle: Fashion Mr. & Miss India 2021 Beauty Pageant	26.12.2021	Ms. Likitha	Winner
6	Y S International Fashion Week Contest Mr and Miss, Mrs, Teen, Prince and Princes International 2021	03.12.2021	Ms. Likitha	Miss International India

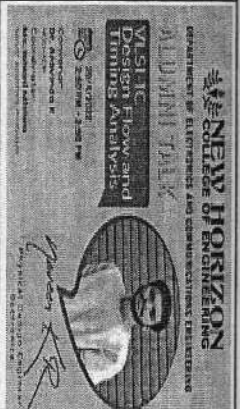

4.7 Report on Alumni Association Activities


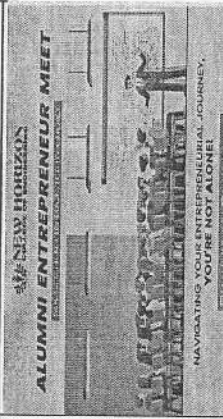
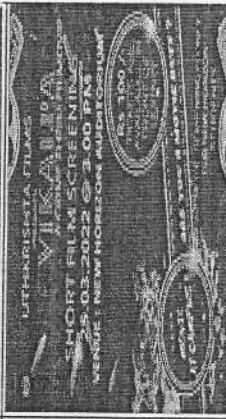
NEW HORIZON COLLEGE OF ENGINEERING ALUMNI ASSOCIATION



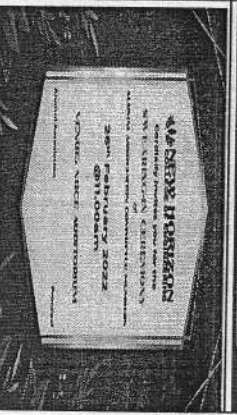

Alumni Associations of NHCE promotes networking opportunities, which can connect recent graduates with established professionals and help students, pursue career changes and to introduce present students to the professional world and to make them proactive to face the challenges that may emerge in their career path.


LIST OF ACTIVITIES CONDUCTED FOR THE ACADEMIC YEAR 2021-22



SL NO	DEPT	DATE	EVENT NAME	ALUMNI DETAILS (NAME, USN, Occupation, Company name, Contact Number & Email ID	WEBLINK(Poster, Event Report, Photos)
1	MCA	14.05.2022	Expert Talk: Exploring the essentials of the QT framework	Vidhyashree P, Batch (2010-2013), Sr. Technical Lead (Software Engineering), Tessolve Semiconductor, Bangalore.	
2	MCA	14.05.2022	Expert Talk: Industry Trends in Java	Md Yasin Batch(2016-2019) INH16MCA38 Senior Software, Cerner 9972436435.yasin.quaarc@gmail.com	
3	ISE	30.04.2022	Alumni talk on the topic "Cloud Solution for Ecommerce"	Mr. Aditya Srivastava, Team lead, Infosys Limited, aaditiyaa2@gmail.com, 9742392411	https://newhorizonindia.edu/hhengengineering/information-science-engineering/alumni-talk-3/
4	MCA	30.04.2022	Alumni Talk: Make use of AWS S3 and Cloudfront services	Vijay S Batch(2010-2013), Sr. Software Engineer, Volvo Group Pvt Ltd	https://docs.google.com/document/d/1vIK46vDPOLV_DMB9uyM2AYGIXz8TqUju/edit?usp=sharing&ouid=110739087374010600508&tpof=true&sd=true

5	ECE	29.04.2022	Alumni Talk on "VLSI-IC Design Flow and Timing Analysis"	Naveen K H (2015-2019 Batch), Physical design engineer, Soectronics Pvt Ltd.	
6	MCA	27.04.2022	Expert Talk : Splunk Tool for Big data Analytics	Anitha Chervu, Batch(2008-2011), Assistant Consultant, Sr. Engineer Lead, TCS, Bangalore.	https://docs.google.com/document/d/1tuuQdCye3BfGR1NO4qPforIO-9L7uR/edit?usp=sharing&ouid=110739087374010600508&trtpo=true&sd=true
7	MCA	26.04.2022	Expert Talk: Cloud Security Trends	Vasanthram S, Batch(2008-2011), Sr. Program Manager, Network security, Sophos Technologies	https://docs.google.com/document/d/1hwKnCU1ZKn72YKHh2Zu0MSXuqPpbBab/edit?usp=sharing&ouid=110739087374010600508&trtpo=true&sd=true
8	Alumni Association	25.04.2022	Alumni Talk on "SOCIAL MEDIA MARKETING"	Mr. Sijo Mathew Varghese, Founder, Overnight Creatives Pvt. Ltd.	
9	AUT	23.04.2022	Alumni Talk "Overcoming Advertisites and Market Analysis"	AKARSH R, INH13AU063, Research and Business Analyst, IBM, Ph.No : +91-9844984967, akarshkashyap07@gmail.com	https://newhorizonindia.edu/henengineering/automobile-engineering/alumni-talk-on-overcoming-advertisites-and-market-analysis-by-nr-akarshkashyap-research-and-business-analyst-ibm/

10	ISE	09.04.2022	Alumni Talk on "INDUSTRIAL EXPOSURE – A WALK THROUGH PRACTICAL EXPERIENCE"	Ms Archana Udhayashankar, graduate of 2015 batch, Product Owner at VMware Software India Pvt Ltd	
11	MBA	01.04.2022	Alumni Talk	Mr. Nideesh Pillai, Team Manager, Bread Financial & Mr. Nicholas Niranjan P, Business Analyst, Society Generale Global Solution Centre	https://newhorizonindia.edu/nhengineering/mba/alumni-talk-on-data-visualization-and-info-graphics-in-project-management-and-reporting/
12	MCA	30.03.2022	Expert Talk: Emerging security trend in cloud network	Vasanthram S, Batch(2008-2011), Sr. Program Manager, Network security, Sophos Technologies	https://docs.google.com/document/d/1BI7FrRGXSIUzJ9NvGAWMpfYOHAIgXWX/edit?usp=sharing&oid=110739087374010600508&rtipof=true&sd=true
13	MCA	30.03.2022	Alumni Talk : Effective Time Management	Mr. Santhosh Naik Batch(2010-2013) INH10MCA59 Corporate Trainer, Naik Entertainments. 9972213754,officialssanthoshnaik@gmail.com	https://docs.google.com/document/d/1tiugQdCyg3BfPGRINO4qPHorFO-9L-TuR/edit?usp=sharing&oid=110739087374010600508&rtipof=true&sd=true
14	Alumni Association	26.03.2022	Alumni Entrepreneur Meet 2022	Dr. Anitha S Rai, Dean-Library & Alumni Relations and Alumni Association Committee Members	
15	Alumni Association	25.03.2022	Movie in Campus – "NIRVIKALPA"	Mr. Puneeth S, (INH17EE736), Uthkrishna Films, Media Production, 9964616818 puneethyer@gmail.com	
16	MBA	12.03.2022	Alumni Talk	Ms. Sonali Kathare, Senior Financial Analyst, Goldman Sachs,	https://newhorizonindia.edu/nhengineering/mba/alumni-talk-on-career-planning/

17	Alumni Association	05.03.2022	Alumni Talk on "MOTIVATIONAL & EMPLOYABILITY"	Mr. Vaibhav Vijay, Regional Marketing Manager, Daimler India Commercial Vehicles Pvt. Ltd (Mercedes Benz)	
18	Alumni Association	26.02.2022	Alumni Talk on "POWER OF NETWORKING"	Mr. Nihar Moodi, Founder and Music Composer, Pineapple Productions, Bangalore	
19	Alumni Association	26.02.2022	Swearing-In Ceremony of Alumni Association Committee Members	Dr. Anitha S Rai, Dean-Library & Alumni Relations and Alumni Association Committee Members	
20	Alumni Association	19.02.2022	Alumni Talk on "EFFECTIVE LISTENING IS MORE IMPORTANT THAN TALKING"	Mr. Vinay Kumar, Sr. Analyst, Shoppee India	

29	MBA	17.12.2021	Alumni Talk	Mr. Rakesh B. Global Accounts Manager, Priore Business Services Pvt Ltd, 8147916726	https://newhorizonindia.edu/nhengineering/mba/alumni-talk-on-skills-for-future-workforce/
30	ISE	13.12.2021	Alumni talk on the topic "AGILE SCRUM"	Mr. Prashant V, INH12IS081, Software engineer ,HP Enterprise.prashantvenkatesh2003@gmail.com,9686784614	https://newhorizonindia.edu/nhengineering/information-science-engineering/alumni-talk-2/
31	CV	01.12.2021	ALUMNI TALK	CHRISTO JEO JOSE (2016-2020) Partner at JJ construction council member of MAAP christojoe@gmail.com	 <p>NEW HORIZON DEPARTMENT FOR CIVIL ENGINEERING ALUMNI TALK 101 Don't miss a good opportunity for enhancing yourself. Meet your former teachers and staff members. Don't miss a good opportunity for enhancing yourself.</p> <p>STRANGER CHRISTO JEO JOSE Partner at JJ construction Council member of MAAP christojoe@gmail.com 01 810 20218911,1244 ALUMNI COORDINATION DR. ANITHA S RAI DEAN LIBRARY & ALUMNI RELATIONS</p>
32	MCA	27.11.2021	Expert talk: Exploring Data Structures & Algorithms using Kotlin	Sneha Vajaramani, Batch (2011-2014), Module Lead, Global Edge Software Ltd,9916923820,v.snehalata@globaledgesoft.com	https://newhorizonindia.edu/nhengineering/mca/exploring-data-structures-algorithms-using-kotlin/
33	Alumni Association	27.11.2022	Alumni Meet	Dr. Anitha S Rai, Dean-Library & Alumni Relations	https://newhorizonindia.edu/nhengineering/alumni-meet-2021/

34	MBA	25.11.2021	Entrepreneurship Development Program	Ms. HarshithaPriyamvada , Founder, Om Prithvi Home products, 9980574422	https://newhorizonindia.edu/nhengineering/entrepreneurship-development-program/
35	MBA	20.11.2021	Alumni Talk	Mr. Chaitanya. D, Advance Tax Analyst, Ernst & Young - Global Delivery Services, 9886259775	https://newhorizonindia.edu/nhengineering/mba/my-story-reflecting-on-corporate-experience/
36	CV	19.11.2021	ALUMNI TALK	NEHA JACOB (2015-2019) THREE DIMENSIONAL DESIGNER IN BIM DEPARTMENT ATKINS nehajakes@gmail.com	 <p>ALUMNI TALK THE FUTURE BELONGS TO THOSE WHO BELIEVE IN THE QUALITY OF THEIR EDUCATION</p>  <p>STRATEGIC BETA BATCH THE FUTURE BELONGS TO THOSE WHO BELIEVE IN THE QUALITY OF THEIR EDUCATION</p> <p>19th NOV 2021 (6 PM) ALUMNI TALK BY NEW HORIZON INSTITUTE OF TECHNOLOGY</p>
37	MCA	15.11.2021	Hands on placement training	Md Yasin Batch(2016-2019) INH16MCA38 Senior Software, Cerner 9972436435.yasin.quare@gmail.com	https://newhorizonindia.edu/nhengineering/mca/report-on-hands-on-placement-training-on-acquiring-coding-skills-using-oop/
38	CSE	12-11-2021	Alumni Talk on Placement and Industry Needs	Mr. Sai Shankar, INH14CS022, 2014-2018, Senior Software Engineer, Accolite Digital, 91 85488 82079, chsaishankar96@gmail.com	https://newhorizonindia.edu/nhengineering/departement-of-computer-science-engineering/placement-and-industry-needs/
39	ECE	08.11.2021	Alumni Talk on "Demystifying Business Intelligence"	Mr. Anoop V K (2002-2006 Batch), BI consultant, Founder at PublicBI UG, Munich and Author of Business Intelligence Demystified Book	https://drive.google.com/drive/folders/1hR-21OYuyofdRyYcNKITA-pR7Pp2nZGb
40	EEE	01.11.2021	Webinar on "The journey from college to corporate"	Mr. Lohith V Associate Software Engineer, Container Generation and Testing, BOSCH Global Software Technologies	https://newhorizonindia.edu/nhengineering/departement-of-electrical-and-electronics-engineering/departement-of-eee-organized-online-alumni-talk-on-the-journey-from-college-to-corporate/
41	CSE	28.10.2021	Alumni Talk on Entrepreneurship and Start up Opportunities	Mr. Prabhat Kumar Prasad, INH14CS089, 2014-2018, Co-Founder Organisation : Marmeto (earlier known as Tatyners), 91 77956 75373, haiprab@gmail.com	https://newhorizonindia.edu/nhengineering/departement-of-computer-science-engineering/entrepreneurship-and-start-up-opportunities/
42	ISE	23.10.2022	Expert talk on "Data Analytics in Cloud"	Mr. Satish Raj, INH14IS103, Data Analyst , Amazon, satishrajr2017@gmail.com, 9066685324	https://newhorizonindia.edu/nhengineering/information-science-engineering/expert-talk-on-data-analytics-in-cloud/

4.8 Report on Entrepreneurship Development Cell & Incubation Cell Activities

NEW HORIZON COLLEGE OF ENGINEERING

Entrepreneurship Development Cell / ED Club

List of Events Organised in 2021-2022

S. No	Name Of the Event	Date Of Event
1	IGNIA	24.02.2021
2	3rd world Entrepreneurship Summit	27.02.2021
3	E week Udhyam	21.06.2021- 23.06.2021
4	Expert Talk on Funding Opportunity for start-up	30.06.21
5	World Entrepreneurs Day	21.08.2021-23.08.21
6	Entrepreneurship Awareness Program	21.09.2021
7	Entrepreneurship Awareness Program	25.11.2021
8	Skill Development Program -Rampur Government / Private School	30.11.2021
9	Logo Making Competition	17.12.2021
10	Idea Hackathon	24.12.2021
11	UDAAN- Launch	1.02.2022
12	4 th world Entrepreneurship Summit	26.02.2022
13	Talk on What, How and Where of Patent	12.03.2022
14	MOU- Signing _COWE	21.03.2022
15	UDAAN-Knowledge Series –“What It Takes To Be A Successful Entrepreneur”- Ms. Payal Nanjiani	13.05.2022
16	UDAAN-Knowledge Series- Business and Innovation, Brainstorming Session – Madhav Bissa	13.05.2022
17	UDAAN- Mentoring Session – Connect	13.05.2022

4.9 Report on Students Achievements

NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Our students have participated in Curricular, Co-curricular, Extra-curricular and sports and won accolades for the college.

Co-curricular Activities

USN Number	Student Name	Section	Event Date	Event Name	Organized By	Secured Prize
1NH20AI035	JAYAVIBHAV NK	A	19/11/21	TECHNOPHILIA	CSE	1 st Prize
1NH20AI079	PRASANNA L KOTYAL	B	17/11/21	Code-O-Fiesta	ISE	2nd Prize
1NH20AI071	NISCHITH L	B	12/11/21	Hatch Pitch	CSE	3rd Prize
1NH20AI079	PRASANNA L KOTYAL	B	19/11/21	Ro-Boot	MECH	2nd Prize
1NH20AI035	JAYAVIBHAV N K	A	24/12/21	Idea Hackathon	MBA	I Place
1NH20EE074	NEHA DARAWAN	B	24/12/21	Idea Hackathon	MBA	III Place
1NH20AI121	YASH TYAGI	B	24/12/21	Idea Hackathon	MBA	VI Place
1NH20AI089	ROHAN S SIDDESHWARA	B	24/12/21	Idea Hackathon	MBA	IX Place
1NH20AI034	JAYASHREE M GADWAL	A	17/5/2022	National Conference on "Digital Technologies for Smart Cities"	RV College of Engineering	Paper Presentation
1NH20AI048	KEERTHANA N					
1NH20AI049	KODIDALA VAMSHIVARDHAN					

INH20AI049	KODIDALA VAMSHIVARDHAN					
INH20AI100	SOORYENDHU PRAMODH	B	17/5/2022	National Conference on "Digital Technologies for Smart Cities"	RV College of Engineering	Paper Presentation
INH20AI119	VIGNESH PRABHU N					

Sports

USN Number	Student Name	Section	Event Date	Event Name	Organized By	Secured Prize
INH20AI105	SYED ROSHAN	B	16/12/21	State Championship – Judo	VTU	Silver
INH20EE099	SHABHAVI DWIVEDI	B	17/12/21 to 18/12/21	Inter Zone Basketball Tournament	BMSCE	Fourth Place

Extra-curricular Activities

USN Number	Student Name	Section	Event Date	Event Name	Organized By	Secured Prize
INH20AI047	KAVYA SIVAKUMAR	A	2021	Dance Vs Dance	Colors Tamil	2 nd Runner Up
INH20AI074	PALLAVI SHARMA	B	2021	Reels making	NHCE	Winner

Kavya Sivakumar had participated in Dance reality show and got a 2nd Runner up position with a prize money of Rs.2,00,000/-.

**NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING STUDENTS
ACHIEVEMENT AY- 2021-2022**

1. ACADEMICS

The academic performance of the students in the academic year is as below.

ACADEMIC YEAR & SEMESTER	TOTAL	F GRADE	FCD	FC	SC	PASS CLASS	No. of Students Passed	PASS %
2020-21 (I)	95	5	20	41	24	5	90	94.74%
2020-21 (II)	95	4	22	40	24	5	91	95.79%
2020-21 (III)	130	72	39	15	4	0	58	44.62%
2020-21 (VI)	137	27	46	47	17	0	110	80.29%
2020-21 (V)	162	51	59	43	9	0	111	68.52%
2020-21 (VI)	162	11	69	47	35	0	151	93.21%
2020-21 (VII)	157	24	89	35	9	0	133	84.71%
2020-21(VIII)	157	13	89	45	10	0	144	91.72%

2. SPORTS ACTIVITIES (19 Students participated in sports –AY-2020-2021)

SL NO	NAME OF SPORTS	NO OF STUDENTS	SL NO	NAME OF SPORTS	NO OF STUDENTS
1	Cricket	4	6	Football	2
2	Handball	3	7	Base ball	1
3	Volley ball	2	8	Table Tennis	1
4	Kabaddi	2	9	Hockey	1
5	Badminton	2	10	Wait lifting Judo	1

3. STUDENT CLUB ACTIVITIES ORGANISED BY STUDENTS

SL NO	NAME OF THE CLUB	EVENT CONDUCTED
1	Prakruthi club	Webinar on Renewable and non renewable Energy Conservation and pollution control
2	Prakruthi club	PSITHURISM – Green Voyage
3	Avishkar club	One day Workshop “Civilers”
4	Avishkar club	Webinar on Sustainability – New Key Driver of Innovation
5	Avishkar club	Webinar on Significant Career advantage through deep –technical Skills & Civil Engineering/Managerial Acumen

4. MOOC REGISTRATION

All the students of 6th & 7th Semester have mandatorily registered and completed the NPTEL Courses recommended by the course co-ordinator.

5. PLACEMENTS (Total 19 No of students have been successfully placed in various core and IT companies.)

SL NO	NAME OF COMPANY	NO OF STUDENTS PLACED
1	Capgemini	2
2	Cognizant	2
3	Sobha	2
4	TCS	1
5	Verzeo	1
6	Protect Group	1
7	SMC Real Estate	1
8	Skolar VERZO	1

6. PROJECTS (Three Projects have been sanctioned a grant by KSCST)

SL NO	TITLE OF THE PROJECT	GTANT AMOUNT
1	Investigation on Energy Efficiency in Green Buildings using BIM Concepts	Rs 6000/-
2	Investigation of the Hardened Properties of Concrete using Echo Friendly Material Of Coconut Shell	Rs 6000/-
3	Construction Waste And its Management	Rs 5000/-

NEW HORIZON COLLEGE OF ENGINEERING

Department of Electrical & Electronics Engineering

Student Achievements for Academic Year 2021-22

No	Name of the Student	USN	Name of the Award	Awarding Agency	Date
1	Mr. Dheeresh Vijay Devadiga	1NH21EE402	III Prize National Level Project Exhibition (NLPE) – 2022	<u>National Level Project Exhibition</u>	27/4/2022
2	Mr. Nischal Dinesh	1NH18EE039	IEEE-PELS Chapter Outstanding Volunteer Award	IEEE PELS Bangalore Chapter, Bengaluru	29.01.2022
3	Mr. Rohith Kumar	1NH19EE066	Wrestling - <u>Gold Medal</u>	VTU State level	16th & 17th December 2021
4	Mr. VINITH G A	1NH17EE756	Best Projects of the Year Award with a Cash prize of Rs 8500 /-	44th Series of Student Project Programme: 2020-21, Karnataka State Council for Science & Technology, IISC, Bengaluru	15.09.2021
5	Ms. Pragathi Prakash	1NH17EE733			
6	Ms. Meghana I L	1NH17EE724			
	Ms. Divya S V	1NH17EE713			

NEW HORIZON COLLEGE OF ENGINEERING

Department of Mechanical Engineering

Student Achievement details

SI No	Date	Particulars	No. of Participant student
1	12-10-2021	Shell Eco-marathon 2022 Quiz - full results	13 students
2	23-11-2021 to 26-11-2021	SAP ERP sim subcontinent Student Competition	05 students
3	16-12-2021	SAP for providing free SAP sponsored certificate	35 students
4	20-03-2022	Most Promising Student Branch Award - 2021	01 student

NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRONICS AND COMMUNICATION REPORT ON STUDENT ACHIEVEMENT (2021-22)

STUDENTS ACHIEVEMENT DETAILS (INSIDE CAMPUS)

Sl. No	Sem / Section	USN No.	Name of the Student	Event Name	Date of participation	Prize Won
01	V/C	1NH19EC735	Pranav Raj	PRAYUKTI organized by Mobile App Development Club	26/10/21	Participation
02	V/C	1NH19EC735	Pranav Raj	JEOPARDY conducted by IEEE NHCE student branch	21/10/21	First Place
03	V/A	1NH17EC406	Deepak Kumar R	Two Days Workshop on Robotics organized by Dept. of ECE	13/12/21-14/12/21	Participation
04	V/A	1NH19EC015	Bhumika K S	QUADROCCIA 2021 conducted by Art club and Fashion club	9/11/21	First Place
05	V/A	1NH19EC015	Bhumika K S	Sketch off	9/12/21	Second Place

EXTERNAL PARTICIPATION OF STUDENTS

Sl. No	Sem / Section	USN No.	Name of the Student	Achievement	Date of participation	Venue
1.	V/C	1NH19EC708	Bhoomika P.	Awarded for participating in the E-Quiz on "Energy Generation and Environmental Conservation"	29/04/2021	Jansons Institute of Technology, Coimbatore
2.	V/C	1NH19EC708	Bhoomika P.	Awarded for participating in Workshop on IOT and Python Programming and Applications	08/05/2021	Ardent Computech Pvt Ltd.
3.	III/B	1NH20EC084	MONISHA N	Aryabhata National Maths Competition 2021	06/08/2021	All India Council for Technical Skill Development
4.	V/A	1NH19EC129	Bharatdeep	Awarded for participating as a semi finalist under 'Swadeshi Microprocessor Challenge 2020'	22/09/2021	Ministry of Electronics and Information Technology
5.	V/A	1NH19EC010	Ayush Bansal	Awarded for participating as a semi finalist under 'Swadeshi Microprocessor Challenge 2020'	22/09/2021	Ministry of Electronics and Information Technology
6.	VII/B	1NH18EC071	Melita Rose G	Awarded First place in CoVigilance 2021- Pan India Student contest.	02-10-2021	Pan India Student Contest, IIT-KGP
7.	VII/B	1NH18EC110	Suraj Suresh	Awarded First place in CoVigilance 2021- Pan India Student contest.	02-10-2021	Pan India Student Contest, IIT-KGP
8.	V/C	1NH19EC715	G. SyamSundar	Awarded Second place in the Hackathon titled "Hack- a- League"	27/11/2021	Global Academy of Technology, Bangalore
9.	V/C	1NH19EC131	Trisha	Awarded Second place in the Hackathon titled "Hack- a- League"	27/11/2021	Global Academy of Technology, Bangalore

10.	V/C	1NH19EC757	Vishwas	Awarded Second place in the Hackathon titled "Hack- a- League"	27/11/2021	Global Academy of Technology, Bangalore
11.	VII/B	1NH18EC071	Melita Rose G	Awarded First place in CoVigilance 2021- Pan India Student contest.	02/10/2021	IEEE, APS and MTT-S
12.	VII/B	1NH18EC110	Suraj Suresh	Awarded First place in CoVigilance 2021- Pan India Student contest	02/10/2021	IEEE, APS and MTT-S
13.	V/A	1NH19EC059	Venkata Kiran Reddy	Awarded as Winners in Kabaddi tournament	14/12/21-15/12/21	Dr. J. Jhimmaiah Institute of Technology
14.	V/B	1NH19EC134	Bhargav Dayal	Awarded third place in Group Dance Western event at National level cultural fest 'Element 7'	29/04/22-30/04/22	Krupanidhi Group of Institutions
15.	V/B	1NH19EC094	Sukitha Raghu	Awarded third place in Group Dance Western event at National level cultural fest 'Element 7'	29/04/22-30/04/22	Krupanidhi Group of Institutions

NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF MCA

Student Achievements Report-AY-2021-22

1. Gummanahali Imran Kamal, Nandini, Renu Priya Guttal, SakeebBiradar, Mohammed Bilal of Batch 2020-22 bagged 1st position for presenting short film in a contest organized at New Horizon College of Engineering as part of the Diwali Celebration '21 on 27th October 2021. The film is available on the link <https://youtube.com/watch?v=jYLOk9iKsNs&feature=share>.
2. Tejas Somayaji received the Best Paper Award for his paper 'Waste Bin Management and Recycling Process in Smart Cities' in Yukthi-V7.0., Students Technical Symposium held on 19th November 2021, hosted by Department of MCA, New Horizon College of Engineering.
3. Student Research Paper entitled 'Performance Analysis of Machine Learning Algorithms to Diagnose Breast Cancer' was presented by co-authors Dr. A. P. Nirmala, Paramita Chandra at Northeast Green Summit 2021, NIT, Silchar .
4. Madhu S. Jyotibannada, of Batch 2020-22 bagged 1st position in Badminton Open Tournament, Bengaluru, held on 14th November 2021.
5. Student Research Paper entitled 'A Survey on Defect Detection of Vials', was presented by co-authors Prof. Vishwanatha C R, Dr. V. Asha, Sneha More at ICDSA 2022 on 07th February 2022.
6. Student Research Paper entitled 'A Review on Cloud Cryptography techniques to improve security in E-health systems' presented by co-authors Dr. V. Asha, Dr. A.P. Nirmala, Bhavani K, Aldred Christi, Naveen A at ICCMC 2022 on 07th February 2022 is published withdoi: 10.1109/ICCMC53470.2022.9753999.
7. Student Research Paper entitled 'A Machine-Enabled TensorFlow Augmented Reality Environment for the Visually-Impaired', was presented by the co-authors Prof. S P Sreeja, Dr.Madhwaraj Kango Gopal, Rohaan S.P, P Sandhya and Harshitha U at ICRITCSA-2022 on 6th- 7 th May 2022 at MSRIT, Bengaluru.
8. Student Research Paper entitled 'Opinion Mining System for Domain Specific Mobile Application Development' was presented by co-authors Dr. Arpana Prasad, Prof. S. P. Sreeja, Ilayarasan R, Akash R, Karthik N at IEEE Conference Delcon-2022, Organised by Netaji Subhas University, New Delhi held between 11th – 13th February 2022. The paper is Scopus Indexed published with doi: 10.1109/DELCON54057.2022.9753286.
9. Student Research Paper entitled 'An Analysis on Cryptographic Algorithms for handling Network Security Threats' was presented by co-authors Dr. Nithya B., Prof. Jincy Mathew, Kavya G., Anutha R., Anshu Kumari at IEEE Conference Delcon-

2022, Organised by Netaji Subhas University, New Delhi held between 11th – 13th February 2022. The paper is Scopus Indexed with doi: 10.1109/DELCON54057.2022.9752828.

10. Student Research Paper entitled ' Bugtrac - A new improved Bug Tracking System' was presented by co-authors Dr. K. G. Madhwaraj, Prof. Govindraj M. ,Paramita Chandra, PrathikshaShetty, Sunny Rajat IEEE Conference Delcon-2022, organised by Netaji Subhas University, New Delhi held between 11th – 13th February 2022. . The paper is Scopus indexed and published at doi: 10.1109/DELCON54057.2022.9753390.
11. Student Research Paper entitled 'IoT based secure smart Home Automation System' was presented by co-authors Dr. A. P. Nirmala, Dr. V. Asha, Paramita Chandra, Priya H, Sunny Raj at IEEE Conference Delcon-2022, organised by Netaji Subhas University, New Delhi held between 11th – 13th February 2022. . The paper is Scopus indexed and published with doi: 10.1109/DELCON54057.2022.9753086.
12. Student Research Paper entitled 'An Analysis on Fraud Detection in Credit Card Transactions using Machine Learning Techniques' was presented by co-authors Jincy C Mathew, Dr. B Nithya, Prof. Vishwanatha C R, Prathiksha Shetty, Priya H, Kavya G presented on 23rd Feb' 2022, at ICAIS 2022. The paper is Scopus indexed and published withdoiDOI: 10.1109/ICAIS53314.2022.9742830.
13. Student Project Proposal entitled 'Web Scraping using Python' Ref. No. 45S-MCA-007 , proposed by project team comprising of the students Aniket H. Garawad, NagjyotiHaldankar, Mayur Powar, Narendra Reddyunder the guidance of department faculty Dr. K. G. Madhwaraj, Dr. V. Asha is approved for Sponsorship in 45th series of Student Project Programme (SPP): 2021-22, KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY.
14. Student Project Proposal entitled 'Automatic Room Light Controller using visitor counter' Ref. No. 45S-MCA-018 , proposed by the project team comprising of the students Prasad J., Prithvi K. V., A Punith and Naveen S under the guidance of department faculty Prof. S. P. Sreeja and Dr. V. Asha is approved for Sponsorship in 45th series of Student Project Programme (SPP): 2021-22,KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
15. Akash Hedge and Madhava Raj K students of Batch 2021-23, bagged Ist position (Gold) in Coding Contest organised by Computer Society of India, Student Chapter, New Horizon College of Engineering on 27th April 2022.

NEW HORIZON COLLEGE OF ENGINEERING

Department of Management Studies Student Achievement

Month	Date	Awarded	Event	Organiser
Jan			NIL	
Feb			NIL	
Mar	31st March, 2022	1st Place	Cultural Event - The Rememberalls	Global Institute of Business Studies
	19th & 20th April, 2022	Participated	Business Plan	Gitarattan International Business School
	19th - 22nd April, 2022	2nd Place	Sports - Volley Ball	Christ University
April	22nd & 23rd April, 2022	Participated	Paper Presentation titled " Big Data in Hr metrics & Analytics - A tool to improve Organizational Performance	Pacific School of Law
	24th April, 2022	Participated	Business Plan	Symbiosis Law School
	26th & 27th April, 2022	2nd Place	Management Fest	Ramaiah Institute of Management
May	12th May, 2022	1st Place	Business Quiz	Nitte Meenakshi Institute of Technology

NEW HORIZON COLLEGE OF ENGINEERING

Department of Computer Science and Engineering

Student Achievements for AY 2021-22

The Department of Computer Science and Engineering has a great ecosystem of meritorious students, competent faculty, and high-end infrastructure for creating a conducive environment for academics and research. This facilitates the nurturing of students for holistic development.

Our students actively participate in various activities/competitions at the National and International levels. They have won several accolades. Their achievements make us proud and a few of them are listed below:

> PROJECT

- Our students got **Best Paper Award** from International Conference on “Advances in Science, Engineering, and Technology (ICASET- 2021)” for the paper titled “Potent Analysis of Hypothyroidism- A Detailed Review”
- 19 student projects were granted funds for their research from ‘Karnataka State Council for Science and Technology (KSCST)’

> ADMISSION TO POSTGRADUATE STUDIES

- Our students’ Ms.Nikshitha Bollenani got admission to ‘Arizona State University and Mr. Venkat Pitani got admission to ‘Santa Clara University for MS program
- Our student Ms. Shruthi. M got admission to NIT Puducherry and Mr. Vishnu V Vemura got admission to ‘Carnegie Mellon University for MS program

> PLACEMENTS AND INTERNSHIPS

- Our students are placed in more than 34 companies with high packages
- Internships are provided in companies like LOWE’S India, KHOROS, KALEYRA, Automation Anywhere, Microchip Technology (India) Pvt. Ltd

➤ TECHNICAL ACHIEVEMENTS

S . N	USN	NAME	EVENT TYPE	EVENT NAME	PLACE OF CONDUCT	DATE	REMARK
1	INH19CS253	YASHIKA PATHY	TECHNICAL	SNAP CODE	NHCE	30-DEC-2021	PARTICIPATE D
2	INH20CS202	SHAZIB JAVAID WANI	TECHNICAL	JEOPARDY	NHCE	21-OCT-2021	2 ND PLACE
3	INH20CS261	ANUSHKA DHARAN	TECHNICAL	NHCE IDEA HACKATHON	NHCE	23-DEC-2021	PARTICIPATE D

➤ SPORTS AND CULTURAL ACHIEVEMENTS

#	USN	NAME	EVENT TYPE	EVENT NAME	PLACE OF CONDUCT	DATE	REMARK
1	INH19CS120	VAHNITHA	SPORTS (BASKETBALL)	VTU INTERZONE TOURNAMENT	BMSCE	17-DEC-2021	PARTICIPATE D
2	INH19CS120	VAHNITHA	SPORTS (BASKETBALL)	NATIONAL SPORTS FEST INFI PES	PES UNIVERSITY	04-DEC-2021	PARTICIPATE D
3	INH18CS211	FARAHAN MAQBOOL	SPORTS (CRICKET)	NATIONAL SPORTS FEST INFI PES	PES UNIVERSITY	04-DEC-2021	PARTICIPATE D
4	INH19CS104	MOHAMMAD AINAIN	SPORTS (CRICKET)	NATIONAL SPORTS FEST INFI PES	PES UNIVERSITY	04-DEC-2021	PARTICIPATE D
5	INH19CS034	C ASHWINI REDDY	SPORTS (CRICKET)	NATIONAL SPORTS FEST INFI PES	PES UNIVERSITY	04-DEC-2021	PARTICIPATE D
6	INH20CS283	SHREYABA P GOHIL	SPORTS (BASKETBALL)	NATIONAL SPORTS FEST INFI PES	PES UNIVERSITY	04-DEC-2021	PARTICIPATE D
7	INH20CS261	ANUSHKA DHARAN	SPORTS (BASKETBALL)	NATIONAL SPORTS FEST INFI PES	PES UNIVERSITY	04-DEC-2021	PARTICIPATE D

9	INH18CS186	STUTI	SPORTS (VOLLEY BALL)	VTU INTERZONE TOURNAMENT	NMIT	09-DEC-2021	4TH PLACE
10	INH18CS186	STUTI	SPORTS (VOLLEY BALL)	VTU BANGALORE ZONE TOURNAMENT	NMIT	29-DEC-2021	2 ND PLACE
11	INH18CS186	STUTI	SPORTS (VOLLEY BALL)	SOUTH ZONE INTER UNIVERSITY VOLLEYBALL	SRM UNIVERSITY CHENNAI	13-DEC-2021	PARTICIPATE D
12	INH20CS261	ANUSHKA DHARAN	SPORTS (BASKETBALL)	VTU INTERZONE TOURNAMENT	BMSCE	17-DEC-2021	4TH PLACE
13	INH20CS279	PAVAN KUMAR	SPORTS (KABADDI)	VTU INTERZONE TOURNAMENT	DR. TTIT KGF	16-DEC-2021	3 RD PLACE
14	INH20CS279	PAVAN KUMAR	SPORTS (KABADDI)	VTU INTERCOLLEGIATE ZONE TOURNAMENT	HKBK BANGALORE	16-DEC-2021	1 ST PLACE
15	INH18CS076	IMRAN KHAN A	CULTURAL	YUVARATHNA	CHANNARAYA PATNA	12 TH JUN-2021	PARTICIPATE D

NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER ENGINEERING LIST OF STUDENTS ACHIEVEMENTS

Sl.No	Student Name	USN	Semester	Event Name	Event Held At	Event Date	Secured Place
1	Athira M Dinesh	1NH20CE005	III	Quadroccia 2021	NHCE	9th Nov 2021	2 nd Place
2	P Sai Kiran	1NH20CE064	III	New Horizon Idea Hackathon 2021	NHCE	23 rd and 24 th Dec2021	3 rd Place
3	Ms. Darshna B	1NH20CE009	IV	Fashion Show	Krupanidhi Group of Institution	29th & 30th April, 2022	1st Place
4	K Trivikram	1NH20CE022	IV	COURSERA (Data Science Methodology)	IBM	16 March 2022	Course Completed
5	K Trivikram	1NH20CE022	IV	COURSERA (Machine Learning with Python)	IBM	16 March 2022	Course Completed
6	K Trivikram	1NH20CE022	IV	COURSERA (Machine Learning with Python)	IBM	16 March 2022	Course Completed