

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

## 17<sup>TH</sup> GOVERNING COUNCIL MEETING CONSOLIDATED AGENDA

2021-22

# GOVERNING COUNCIL

DR MOHAN MANGHNANI

CHAIRMAN

## **MEMBERS**

Mr. H N Surya Prakash

Dr. R Bodhisatvan

Dr. R J Anandhi

Dr. Sanjeev Sharma

Dr. Vijilius H Raj

Prof. Gurucharan Singh

Dr. K N Subramanya

Dr H Devaraj

Sri. Sagar Nidavani

Dr. T G Sitharam

**AICTE Nominee** 

**DTE Nominee** 

Dr. Manjunatha

Registrar

Principal - NHC (M)

Dean - Academics

Dean-QASDC

Controller of Examination

Executive Director - HRD

Principal, RVCE

Commission (UGC) Nominee

University (VTU) Nominee

Director & Professor, IIT-Guwa

Council (AICTE) Nominee

State Government Nominee

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			
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		
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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		
2 / 1	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		
36	Report on Start of new course- Computer Science & Engineering (Data Science) for Ay 2022-23		
	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		
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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		

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

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 16<sup>th</sup> Governing Council Meeting held on 27<sup>th</sup> September 2021

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.		
3	Review and Ratification of Appointments of Teaching and Non- Teaching Staff.	Appointments of teaching and non-Teaching staff for the Year 2021-22 were done.  A total of 51 teaching staff at different levels depending on the requirement of the departments were appointed.	
		One VTU Nominated member was assigned for the panel of selection board.  All the appointments were ratified and approved by the GC members.	
4	R&D activities.	Patents: Total Filed:  • 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.	
		Grants: 52 Sponsored Research Projects for Rs 7,85,99,314/- 112 Consultancy Project for Rs 1,18,80,000/ (Reference: NHCE Website)	
5	NBA Tier-I	NBA Tier-I Washington Accord accreditation.	
6	Placement status	Member Secretary presented the placement status of students in National & International companies for the year 2020-21 & 2021-2022.	
	to the last of the	All efforts are put to further improve the placements in 2022.	
7	Preparation for NAAC 2 <sup>nd</sup> cycle of certification.	<ul> <li>All preparations were completed.</li> <li>Our Self Study Report (SSR) was prequalified for Assessment on 18.11.2021</li> <li>2nd level payment &amp; logistics advance payment along with Logistics details were submitted.</li> <li>NAAC 2<sup>nd</sup> Cycle Peer Team Visit happened on 4<sup>th</sup> Jan 2022 and 5<sup>th</sup> Jan 2022 at our institute.</li> </ul>	

		AOAR 2020-21 was submitted on	
8	Preparation of AQAR.	• NAAC AQAN 28,03.2021	
		All the Statutory Committees are updated and Minutes of	
9	Discussion on various statutory committees' proceedings	All the Statutory Committees Meeting conducted as per schedules.  Meeting conducted as per schedules.  Feedback from various stake holders such as	
10	Feedback from stake holders	1. Students, 2. Parents, 3. Alumni students, 4. Employers & Industries  for improving the system/subjects handled at various levels are taken and summary was submitted.	
11	Continuation of autonomous status UGC application	<ul> <li>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.</li> <li>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.</li> <li>On 24.03.2022, we sent a request letter to UGC to know the status of our application, for which official confirmation is awaited.</li> </ul>	
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	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).  Attended by: 720 Students & 1268 Parents. 72 Ranks were awarded across all BE Programs following the VTU guidelines.	
		On 23.10.2021, we organized Graduation Day for BE	

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
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 & CAPA
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

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



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NHCE/VTU/ 082/2022 April 18, 2022

The Registrar

Visvesvaraya Technological University,

Inana 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

#### ILS OF PARENT ORGANIZATION

the Trust Society	NEW HORIZON EDUCATIONAL AND CULTURAL TRUST	
s of the Trust/Society	100 Feet Road, Indiranagar, Bengaluru - 560 038.	
Town/City	Bengaluru	
	Bengaluru Urban	
	Bengaluru	
	560038	
	080	
e Number	25261735	
	chairman@newhorizonindia.edu	
	www.newhorizonindia.edu	
stablishment	1980	
ion Number	493	
egistration	1980-05-08	

New Horizon Conserved Engineering
Ring Post 32 Landur Post,

	New Horizon College of Engineering	
INSTITUTION DETAILS	New Horizon College Ring Road, Kadubhisanhalli, Bellandur Post, Near Marathali,	
Name of the Institution	Ring Road, Kadubnisatur, Bengaluru	
Address of the Institution	Bengaluru	
Village/Town/City	Bengaluru Urban	
District	Bengaluru	
Tatuk	550103 /	
PIN	080	
STD Code	66297777	
Land Line		
Fax	principal@newhorizonindia.edu	
E-mail ld	www.newhorizonindia.edu	
Website	2001	
Year of Establishment	VTU	
First Approved By	2002-02-15	
Approved Date	2001	
Year of the first affiliation to the University	Un-Aided Private	
Type of Institution	Yes	
Minority Institute	Linguistic	
ype of Minority	No	
C / ST Institute	No .	
omen Institute	NAAC 'A' GRADE	
ny Other	484700078	
nk Account No.	Indian Bank, NHCE Extn.	
me of the Bank and Branch	IDIB000N112	
C Code	NHCE Campus, Kadubhisanahalli, Bengaluru 560 103.	
dress of the Branch	AAATN3061E	
Number		
	A	

PAN NAAC Status

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2.2 Review on continuation of autonomous status of UGC application



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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

24.03, 2022

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, Bengalūru.

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

Thanking you,

Yours Faithfully

Principal

Sent thru spead post

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Accredited by NAAC with 'A' Grade, Accredited by Government of Karnal,

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

09.02.2022

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

Subject: 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. Manjunati

Principal



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



### SPEED POST

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

January, 2022

0 4 FEB 2022

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

10年,2011年1日 10年1日 10年1日

Sub: Proposal for Extension Autonomous Status - regarding

Sir/Madam,

This is with reference to the letter forwaded by Visvesvaraya Technological University on the subject mentioned above. I am directed to inform you that after examin 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)



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# APPLICATION FOR EXTENSION OF AUTONOMOUS STATUS

Submitted to

# UNIVERSITY GRANTS COMMISSION NEW DELHI



ज्ञान-विज्ञान विमुक्तये

Through

# SVESVARAYA TECHNOLOGICAL UNIVERSITY BELAGAVI





# NEW HORISON HORISON ROAD, Marathall New Horizon Knowledge Park, Ring Road, Marathall New Horizon Road, Ring Road,

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

Application for Extension of

## AUTONOMOUS STATUS

Submitted to



### UNIVERSITY GRANTS COMMISSION

**NEW DELHI** 



Through

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

**BELAGAVI** 

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 Karnatara

Date: 16/09/2021

Surender Singh int Secretary niversity Grants Commission (UGC) Bahadur Shah Zafar Marg, New Delhi-110002

Through, The Registrar Visvesvaraya Technological University, Inana 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 underwen NAAC Accreditation process in Cycle 1 and secured 'A' grade. The Institute has also submitted the Self Stud Report (SSR) and DVV clarification in cycle 2 of NAAC accreditation. The Institute also underwent NB 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			9/03/2016 to 28/03/2021
Second		Self Study Report (SSR) and DV	V 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 i.e. 2016-2017 to 2021-2022.

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

Thanking you,

Yours Faithfully

New Horizon Knowledge Park New Horizon College of Eng Road, Bellandur Post, Near Marathalli, Bangalore, India Ping Boolds Bellandur F

www.newhorizonindia.edu Pnhceoffice@newhorizonindia.edu





VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA . , BELAGAVI-590018 Dete: 16-Sep-2021

### = Receipt for State Bank Collect Payment

DUG7439931
CHH4675252
-AFFILIATION FEE-AUTONOMOUS COLLEGE
NEW HORIZON COLLEGE OF ENGINEERING
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AUTONOMOUS RENEWAL FEE
FEE ONCE PAID WILL NOT BE REFUNDED UNDER ANY CIRCUMSTANCES
KINDLY VERIFY THE DATA ENTERED BEFORE FINAL SUBMISSIO

State Bank Collect / State Bank Collect

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16-Sep-

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

Payment Details :

SBCollect Reference Number

DUG7439931

Echeque Number

CHH4675252

Category

AFFILIATION FEE-AUTONOMOUS COLLEGE

COLLEGE NAME

NEW HORIZON COLLEGE OF ENGINEERING

CONTACT NO

9901916000

ZONE -A-BANGLORE URBAN

OTHER

530000

Transaction Charge

NR 47.20

Total Amount

NR 5,30,047.20

Remarks

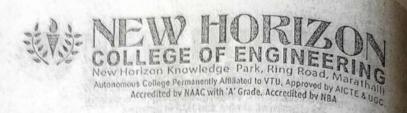
**AUTONOMOUS RENEWAL FEE** 



Click here to view/download the e-Receipt

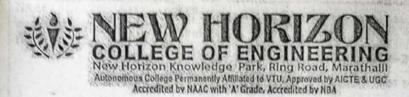
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2.	Annexure-1	Letter from Visvesvaraya Technological University granting Affiliation status	1				
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### APPLICATION FOR EXTENSION OF AUTONOMOUS STATUS

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), Inana 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. (*P. Share S. S
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 autonomyrequested	From 2022-23 onwards

	NAAC	Yes	
	accreditation (enclose copy)	Cycle 1: Period of accreditation: 29/03, Grade: 'A' with CGPA of 3.23 of	tona at the
	A second	Cycle 2: NAAC Second cycle SSR and	
		submitted (Details enclosed in Annexure	:-4)
10.	NBA accreditation (enclose copy)	Yes Accredited Programmes  1. B.E in Automobile Engineerin  2. B.E in Civil Engineering	
		3. B.E in Civil 2-3 3. B.E Computer Science & Engi 4. B.E in Electronics & Commun 5. B.E in Electrical & Electronics 6. B.E in Information Science & I 7. B.E in Mechanical Engineering	Engineering
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1		Period of accionation	
		17 V 2	Validity
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	Perus Burato (A) Maries Santa	Accredited Program  B.E in Automobile Engineering	up to 30/06/2
		Accredited Program  B.E in Automobile Engineering  B.E in Civil Engineering  B.E in Computer Science &	up to 30/06/2 up to 30/06/2 up to 30/06/2
	proceedings to the second	Accredited Program  B.E in Automobile Engineering  B.E in Civil Engineering  B.E in Computer Science &  Engineering  B.E in Electronics &	up to 30/06/2 up to 30/06/2 up to 30/06/2 up to 30/06/2
	Control Control (A) of the control o	Accredited Program  B.E in Automobile Engineering  B.E in Civil Engineering  B.E in Computer Science &  Engineering  B.E in Electronics &  Communication Engineering  B.E in Electrical & Electronics	up to 30/06/2 up to 30/06/2 up to 30/06/2 up to 30/06/2
		Accredited Program  B.E in Automobile Engineering  B.E in Civil Engineering  B.E in Computer Science &  Engineering  B.E in Electronics &  Communication Engineering	up to 30/06/2 up to 30/06/2 up to 30/06/2 up to 30/06/2

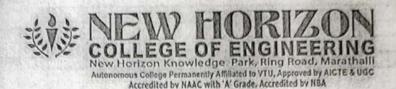
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	Tending Learning	Accredited Program	Marks			
	Franthodasdopted by	Accredited Frogram	(out of 1000)			
	Examination is	B.E in Automobile Engineering	692			
	passing the	B.E in Civil Engineering	730			
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	recens the sequence. I have admission to a	B.E in Electronics &	720			
	Lay manager escande	Communication Engineering				
	e of the life e of the first of the bulker's the life of the first of the bulker's	B.E in Electrical & Electronics Engineering	707			
	Status of his landaux of - process	B. E in Information Science & Engineering	716			
	Ling Decembers to be the land.	B.E in Mechanical Engineering	736			
	P.17 . 1	(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 addedduring the period of autonomy	02 new UG Programmes 1. BE in Computer Engineering (2 2. BE in AI & Machine Learning (2 01 new PG Programmes	2021-22)			
	Marketin Gell, and Carlo Andrews	M.Tech in Cyber Forensics & I     (2019-20)	nformation Security			

16.	Students strength	5652
17.	Intake of M.Phil/Ph.D. studentsper 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/nhe
21.	Status of utilization of grants	Not Applicable
22.	Full Bank Details (mandate form)	(Details enclosed in Annexure-9)

At the second of the second se

Principal
(Sign & Seal)
Principal

New Horizon College of Engineering Ring Road, Bellandur Post, Bangalore - 560 103 Registrar/Dean of the University (Sign & Seal)



### PROGRESS REPORT OF COLLEGE (AUTONOMOUS)

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

Progress Report for the Academic Year 2020-21

- L 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)
- 3. 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)
- 5. 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)
- 6. 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					

ofteachers Redesigning of	BL FF MA			
courses Workshops/semi				
nars Others Office/teaching				
Laboratory equipment FurnitureLibrary Meeting of	Since the district of the second		and the second s	
				-

The Parties of State and Constitution of the C

and the second s

Place: Bangalore

Date: 15/09/2021

Sign at the College of Er

Name: Da Manjurathan

Designation:Principal

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

## 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,
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, MI
10	ME	Electric Vehicle (EV)"	ISE, CSE, CIV, CE AI & ML, ECE, MI

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

Sl. No	Course Code	Course	BoS	Credit Distribution				Total	Conta
1			505	L	Т	P	PS	Credits	Hour
	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	
5	21MDAIM71	Capstone Project	ALGAG						
otal		- Parane Troject	AI & ML	0	0	2	0	2	4
	91.114	Print Street in terms	uistan -	12	0	8	0	18	20

## Minor Degree : "Internet of Things (IoT)" Offered by Department of AI&ML

ourse Code	Course	BoS	Cred		uti	on	Total	Contact
			L	Т	P	s	Credits	Hours
DAIM51	Introduction to Internet of Things	AI & ML	3	0	2	0	4	4
DAIM52	Introduction to Security of Cyber Physical Systems	AI & ML	3	0	2	0	4	4
DAIM61	Ubiquitous Sensing, Computing and Communication	AI & ML	3	0	2	0	4	4
DAIM62	IoT with Arduino and Raspberry Pi	AI & ML	3	0	2	0	4	4
DAIM71	Capstone Project	AI & ML	0	0	2	2 0	2	4
		Service.	12	2 0	8	8 0	18	20

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

1	SI.	Course	Course	BoS	D	Cre istrib		n	Total	Contae
1	No	Code	Course	500	L	Т	P	S	Credits	Houn
	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	1	21MDCSE61	Digital Channels Deep Dive	CSE	3	0	1	0	4	5
4	2	IMDCSE62	Predictive Analytics In Marketing	CSE	3	0	1	0	4	5
5	21	MDCSE71	Capstone Project	CSE	0	0	2	0	2	4
			Total		12	0	6	0	18	2

# Minor Degree :VLSI Design Offered by Electronics and Communication Engineering

SI. No	Course Code	Course	BoS	D	Cr	edi				otal		itaet
			L Berry	L	T	P	1	S	C	redits	He	ours
1	21MDECE51	Programmin g with Verilog	ECE	3	0	1	1	0		4		5
2	21MDECE52	Digital VLSI Design	ECE	3	0	-		0		4		5
3	21MDECE61	Analog VLSI Design	ECE	3	3 0		1	0		4		5
4	21MDECE62	Physical Design	ECE	1	2 (	,	1	0		3		4
5	21MDECE71	Technical Seminar	ECE		0	0	0	1		1		2
6	21MDECE72	Capstone Project	ECE	3	0	0	2		0	2	SIGN.	4
		Tot	al				1			18	8	25

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

	SI.	Course	Course	Bo			edit trit	outio	on	Total	Contact
1	No	Code	10000			L	T	P	S	Credits	Hours
1	1	21MDISE:	Mathematical Foundation For Data Science	ISE		2	1	0	0	3	4
2	2	1MDISE5	Fundamentals of Data Science	ISE	2		1	0	0	3	4
3	21	MDISE61	Understanding Machine Learning: From Theory to Algorithms	ISE	2		1	0	0	3	4
1	211	MDISE62	Python for Data Analysis	ISE	2		1	0	0	3	4
	21N	IDISE71	Data Visualization	ISE	2	1		0	0	3	4
	21M	IDISE72	Data Science Computation with Capstone Projects	ISE	2	1		0	0	3	4
		1	otal		12	6	1	0	0	18	24

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

Course	Course Title	BOS		Cred	lit ributio	n	Total Credits	Contact Hours
Code	THE RESERVE	ВОЗ	L	Т	P	S		
21MDMBA5	Strategic Human Resource Management	МВА	4	0	0	0	4	4
21MDMBA5 2	Compensation& Performance Management	МВА	4	0	0	0	4	4
21MDMBA6	Talent Acquisition & Management	MBA	4	0	0	0	4	4
21MDMBA6 2	Organization Development& Change Management	MBA	4	0	0	0	4	4
21MDMBA7	Capstone Project	MBA	0	0	2	C	2	2
Total	Landing Res		16	0	2	: (	0 1	8 18

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

Course Code	Course Title	BOS	Cred	it Distri	bution		Total
			L	T	P	S	Credit
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

SI.NO	Course Code	Course	BoS	D		edit butio	on	Total Credit	Contact
				L	Т	P	S	S	Hours
1	21MDMEE51	Industrial Robotics	МЕ	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	МЕ	2	1	0	0	3	4
5	21MDMEE71	Digital Electronics And Microprocesso rs.	CSE/ ECE	2	1	0	0	3	4
6	21MDMEE72	Design of Robotic systems with Capstone Projects	МЕ	2	1	0	0	E	4
Total				12	6	0	0	18	24

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

S	il. No	Course C	ode Course	BOS	0	Credit L	Distribu	ition	Total	fact
1					L	T	P	S	- 5	Con
	1 2	21MDCIV3	Construction Management, Principles, Organisation	CIV	2	1	0	0	3	1
2	21	IMDCIV52	Construction Planning , Scheduling by various tools	CIV	2	0	1	0	3	1
3	211	MDCIV61	Construction Equipments, Inspection and Quality Control & Public Works Accounts	CIV	2	1	0	0	3	1
4	21N	ADCIV62	Construction Labour, Labour Acts	CIV	2	1	0 -	0	3	4
5	21M	IDCIV71	Accidents and safety in sites	CIV	2	1	0	0	3	4
	21M		Application of Softwares used in construction projects such as BIM 360, Gantt pro, Pro core	CIV	0	0	3	0	3	6
al					10	4	4	0	18	26

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

No.	Course Code	Course		Cred	lit Di	strib	ution	Over All Credits	Contact Hours
	1		BoS	L	T	P	S		
1	21MDEEE51	Introduction to Electric Vehicle Technology	EEE	3 2	0,	0	0	3	4_
2	21MDEEE52	BMS & Energy Storage in Electric Vehicle	EEE	3	0	1	0	4	5
3	21MDEEE61	Electric Vehicle Design & Development	EEE	3	0	1	0	4	5
4	21MDEEE62	Automation in Electric Vehicles	EEE	3	0	1	0	4	5
5	21MDEEE71	Capstone Project	EEE	0	0	3	0	3	6
al				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



SI.		The state of the s	-	Co	ourses S	emester-	wise		10 15 93	A STATE OF THE PARTY OF	la de la companya de
No	Course category	1	11	III	IV	V	VI	VII	VIII	Total Subject	Condition
1	Basic Science Courses	2	2	1			To the same	1000		- and a second	Credits
2	Basic Science Course Lab	1	1	1	T					6	20
3	Engineering Science Courses	3	3							2	2
4	Engineering Science Courses Lab	1								6	18
5	Humanity Social Science & Management Courses	2	1							2	2
6	Professional Core Courses	- 2	2	2	2					8	8
7	Professional Core Courses Lab	3.0	53 T. ha	3	3	2	2			10	30
8	Professional Elective Courses			3	3	2	2			10	10
9	Open Elective(multidisciplinary) Course	E- 11	GI-STE	GAZ fi	TO L	2	2	2		6	18
	open Elective(martidiscipilitary) Course		2				1	2		3	09
10	Ability Enhancement Courses		Carry.	1	1	2				4	08
11	Skill Courses (Mini Project)(Full Project)			1		1		1		3	14
12	Skill Courses (Internship)				1		1	-	1		14
13	Skill Course(Seminar)			No.	-	5000	-		1	3	20
14	Mandatory courses UGC/AICTE/UHV								1	1	1
	The state of the s	Total	-			1				1	0

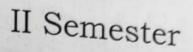




#### I Semester

s.	Course	Course	BoS			edit ibuti		Overall	Contact		Marks	5
No	Code	BODIE DISERVOSI ELGINERADO	503	L	Т	Р	S	Credits	Hours	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
	America III	Total	distant.	181		130	M	20	28	450	450	900







S. No	Course Code	Course	BoS			edit ibuti		Overall	Contact		Mark	
1	21MAT21A	Applied Mathematics-II		L	Т	Р	S	Credits	Hours	SEE		
2	21PHY22A	Engineering Physics	AS	3	1	0	0	4	5		CIE	Tota
3	21MEE23A	Elements of Mechanical	AS ·	2	1	0	0	3	4	50	50	100
		Engineering	ME	2	1	0	0	3	4		50	100
4	21CIV24A	Elements of Civil Engineering	CV	2	1	0	0			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	МВА	1	0	0	0	1	1	50	50	100
		Total	CONTRACT OF	No. of Street, or other Designation of the least of the l	CO.	-	-	20	28	450 /	450	900



#### III Semester



	T. Shight style	Talusana and manages as a company		Cre	edit D	istrib	ution	Overall	Contact		Marks	
S. No	Course	Course	BoS	1	Т	Р	s	Credits	Hours	CIE	SEE	Total
	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
		Environmental Science	HSS	1	0	0	0	1	1	50	50	100
4	21HSS342A	Analog and linear integrated circuits	EEE	2	1	0	0	3	4	50	50	100
5	21EEE35A	Electric circuit theory	EEE	2	1	0	0	3	4	50	50	100
6	21EEE37A	DC machines and transformers	EEE	2	1	0	0	3	4	50	50	100
7	romite	Analog and linear integrated circuits	EEE	0	0	1	0	1	2		50	100
8	21EEL35A	Laboratory	EEE	0	0	1	0	1	2	50	50	100
9	21EEL36A	Electric circuit theory Laboratory  DC machines and transformers Laboratory	EEE	0	0	1	0	1	4	50	50	100
.0	21EEL37A		EEE	0	0	2	0	2	31	550	550	1100
11	21EEE38A	Mini Project I	EEE	0	0	-		21	31	550	550	

Total



### IV Semester



-	S. Course			T							V	IN =
N	o Code	Course	Bos	C	redit	Distril	bution	Overall	Contact		Marks	
1	21EEE41	A Applied Mathematics-IV		L	Т	P	S	Credits	Hours	CIE	SEE	Total
2	21HSS421		AS	2	1	0	0	3	4	50	50	100
3	21HSS431/		HSS		0	1	0	2	3	50	50	100
4	21HSS441A	Constitution of India & Professional		1	0	0	0	1	1	50	50	100
5	21EEE45A	Ethics Control systems	HSS	1	0	0	0	1	1	50	50	100
6	21EEE46A	Control systems  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	0	0	3	4	50	50	100
9	21EEL46A	Synchronous and induction machines Laboratory	EEE	0	0	1	0	1	2	50	50	100
0	21EEL47A	Microcontroller and embedded systems Laboratory	EEE	0	0	1	0	1	2	50	50	100
1	21EEE48A	Summer Internship - I	EEE	0	0	0	2	2	0	50	50	100
-	MICHIGAN CONTRACTOR	Total			Sheepe			21	27	550	550	1100





#### LATERAL ENTRY STUDENTS

S. No	Course Code	Course	BoS	0	DISTIDUTION						Distribution Overa		Overall Credits	Contact Hours		Marks	
140	code			L	Т	P	S	Creuits	nouis	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	200					
3	21DMAT41A	Basic Applied Mathematics - II	AS	0	0	0	0	0	2	50	50	100					

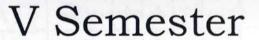


# V Semester



S. No	Course Code	Course	BoS Distribution Overall Contact			Marks						
1	21EEE51A	Transmission Division		L	Т	Р	S	Credits	Hours	CIE		
2		Transmission Distribution and protection	EEE	2	1	0	0	Eron er		CIE	SEE	Total
2	21EEE52A	Power electronics	EEE	-	1 3		U	3	4	50	50	100
3	21EEE53XA	Dest.	CCC	2	1	0	0	3	4	50	50	100
	LICESSAA	Professional Elective Course-1	EEE	2	1	0	0	3	4	50		
4	21EEE54XA	Professional Elective Course-2	EEE	2	1	0	0			30	50	100
5	21EEE55A	Research Methodology and Intellectual Property Rights (AEC)	EEE	2	0	0	0	3	4	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	In the second	A COLUMN	-	1		20	30	500/	500/	1000/



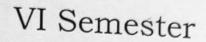




A Victoria	Professional Elective Course-1
21EEE531A	Modern Communication Systems
21EEE532A	Signals and Systems
21EEE533A	Advanced Control Systems
21EEE534A	Object Oriented programming using C++ and JAVA

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

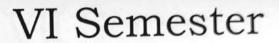






S. No	Course Code	Course	BoS	Credit Distribution				Overall Credits	Contact	Marks		
1	21EEE61A	Power custom and it		L	Т	Р	S	Credits	Hours	CIE	SEE	Total
2	21EEE62A	Power system analysis	EEE	2	1	0	0	3	4	50	50	
326	ZIEEEOZA	Advanced industrial and building automation	EEE	2	1.	0	0	3	4	50	50	100
3	21EEE63XA	Professional Elective Course-3	EEE	2	1	0	0	3	4			100
4	21EEE64XA	Professional Elective Course-4	EEE	2	1	0	0			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	4	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	
9	21PED57A/ 67A	Physical Education	P.Ed	0	0	0	0	0	2	50	50	100
		Total						20	26	400/	400/	800/







Professional I	Elective Course-3
21EEE631A	Digital Signal Processing
21EEE632A	Communication systems
21EEE633A	CMOS VLSI Design
21EEE634A	Advanced Micro Controller and Applications

Professional	Elective Course-4
21EEE641A	Data structure algorithm using python
21EEE642A	Power System Protection
21EEE643A	Testing and Commissioning
21EEE644A	Energy Auditing and Demand side Management

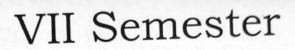




# VII Semester

S. No	Course Code	Course	BoS	Credit Distribution				Overall	Contact	Marks		
				L	Т	Р	S	Credits	Hours	SEE	CIE	Total
1	21EEE71XA	Professional Elective Course-5	EEE	2	1	0	0	3	4	50	50	100
2	21EEE72XA	Professional Elective Course-6	EEE	2	1	0	0	3	4	50	50	100
3	21EEE73A	Open Elective-2	EEE	2	0	1	0	3	3	50	50	1000
	21EEE74A	Open Elective - 3	EEE	2	0	1	0	3	3	50	50	100
	21EEE76A	Project Work	EEE	0	0	10	0	10	20	200	200	100
		Total						22	34	400	400	800







Professional Ele	ective Course-5
21EEE711A	Photo Voltaic Systems and Applications
21EEE712A	Electrical Drives and vehicles
21EEE713A	Utilization of Electrical Energy
21EEE714A	Special Electrical Machines

Professional Elec	tive Course-6
21EEE721A	Machine learning
21EEE722A	Power Quality
21EEE723A	Smart Grid Technologies
21EEE724A	Biomedical Instrumentation





#### VIII Semester

SEE		
	CIE	Tota
	CIL	1016
50	50	100
200	200	400
		100
		200 200

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





#### Number of Credits - Semester-wise

emester	No of Credits
Semester	20
	20
	21
A North Control of the Control of th	21
	20
	20
	22
	16
II Semester	160
	Semester Semester Semester I Semester Semester I Semester I Semester II Semester II Semester II Semester

2.5 Autonomous Annual Report for AY 2020-21



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

New Horizon Knowledge Park
Ring Road, Bellandur Post, Near Marathalli, Bangalore, India. Pin-560103:

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General			
Name and address of the llege	NEW HORIZON COLLEGE OF ENGINEERING Ring Road, Bellandur Post, Near Marathalli, Bangalore - 560103.		
Name of the Principal	Dr. Manjunatha		
E-Mail ID	principal@newhoriz	zonindia.edu	
Tel. No.	Landline: 080-6629	7777, Mobile No: 99	001916000
Autonomy granted for :	UG	PG	Ph.D.
lease tick mark, whichever applicable)	,	1	
cle of Automomy		First Cycle	
ogrammes offered : se only approved breviations)		, CIV, CSE, ECE, EEE, Fech - MD, M.Tech -	
ew Programmes instituted ring the year, if any:	Artificial Intellig     Computer Engin	ence & Machine Lead	rning
Academic Year Covered	2020-21		
Date of the Return			

2.6 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	В	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.	<ul> <li>a) In adherence to the policy of R&amp;D department of our Institution, the students were informed regarding publication of project work.</li> <li>b) Class timings are as per the policy of the Institution.</li> <li>c) Solid waste management notes were circulated in the WhatsApp class group by the course co-ordinators.</li> </ul>
		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
Ш	В	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.
Ш	В	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.
Ш	В	There's no projector screen at all and no proper projectordue 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 projects.
V	Α	Lab facilities have to be improved. While having the lab session, system won't work properly, it should be improved.	working.
V	A	In labs, computers are not good.	and kits as well as the systems
V		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	

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.	Smart Board re-fixed as per Institute guidelines (earlier in one room now in two rooms)     Through maintenance team, projectors are replaced and now in good & working condition
		Classrooms - Have terrible and non working projectors	Through maintenance team, projectors are replaced and now in good & working condition     Informed Mr. Krishnappa (Maintenance head) to the clean lines always in Boys toilet.
VII	A	Classrooms - Have terrible and non which on turning on is causing lot of harm to eyes.  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.	Informed Mr. Krishnopper     maintain cleanliness always in Boys toilet     maintain cleanliness always in Boys toilet

Semester	Section	Student Remarks	Action in Place
V	A	Mini Project Schedule is not followed and is delayed. No proper mentoring is conducted, leading to students being confused and directionless.  Please create proper schedule as mini project is only being done at the end of the sem.  Also please conduct proper mentoring. The mentoring period should be taken seriously.	<ol> <li>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.</li> <li>Mini Project calendar is displayed at department display boards.</li> <li>Display Profile (DP) of student groups is made as Mini Project Calendar of Events so that students have quick access and visibility to it.</li> <li>Follow up of the mini project schedule happened as per the planned schedule.</li> <li>Mentoring conducted during dedicated mentoring slots in Time Table and the faculties are monitored for mentoring activity.</li> <li>Currently 23 student cases are elevated to second level counselling based on their attendance and performance during the initial month of the semester.</li> </ol>
Semester	Section	Mechanical Engineeri	ng
		Student Remarks	
Ш	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	Action in Place
V	A	Make new lab instruments in mechanism	
V	В	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 it. Many teachers do same thing for example in 3rd Sem I think ?????," are we really studying for marks".	Selected Students projects will be used in labs as products.  Discussed with concerned staff and students also.

VII	A	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.  Placement training provided was really helpful, was hoping for more Core companies but overall experience with placement Dept. is really amazing.  THANK YOU.	Discussed with placement department.
VII	В	Placement department is worst	Discussed with placement department,
VII	В	please improve class room facilities and please do replace faulty lab computers	
VII	В	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	В	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.	
VII	С	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	

	1	please treat students like humans and adults, and not uy 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.	
VII	С	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.  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.	The issue is discussed with dept. placement coordinator/placement department
		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.	
VII	С	r lease improve the placements	
VII	С	We are expecting a lot of core (Mechanical) companies with different job role such as Design.	Conveyed to placement department. And also matter is discussed in length about "core placements"

2.7 Report on Graduation Day conducted AY 2020-21

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

(After Supplementary Exam Oct 2021)	(Afte	er Supp	olementar	v Exam	Oct 2021)
-------------------------------------	-------	---------	-----------	--------	-----------

SI. No	Branch	Total No of Students Graduated
1	Automobile Engineering	73
2	Computer Science & Engineering	234
3	Civil Engineering	145
4	Electronics & Communication Engineering	226
5	Electrical & Electronics Engineering	123
6	Information Science & Engineering	137
7	Mechanical Engineering	183
8	Master of Computer Applications	104
9	Master of Business Administration	171
100	M.Tech-MMD	7
	M.Tech-SCS	3
1000	M.Tech-SFC	4
12	Total	1410

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

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

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%
			1	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%
EE	114	67	25	5	2	99	15	86.84%
IS	246	163	47	11	1	222	24	90.24%
ME	173	97	34	11	4	146	27	84.39%
Over all	1323	808	268	69	23	1168	155	88.28%

Controller of Examinations

Principal

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%
			COTTO:			Bally by	A STATE OF	100
Over all	1204	807	246	72	15	1140	64	94.68%

# 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%
	308	237	47	9	2	295	13	95.78%
CS E.C.	211	124	51	15	3	193	18	91.47%
EC	115	95	15	2	0	112	3	97.39%
EE	149	110	27	6	0	143	6	95.97%
IS	194	115	50	17	3	185	9	95.36%
ME		12/1/20	3/12/18/E		D. 12 19			94.68%
Over all	1204	807	246	72	15	1140	64	94.0070

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.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	1006		ALTERNA .	Water to			WHITE STATES
Over all	1187	1096	18	0	0	1114	73	93.

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

CHEMIST	TRY	CY	CLE

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%

# 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

Total No.of Students	FCD	FC	sc	Pass Class	F Grade	No. of students Passed	Pass %
		1	2	0	1	7	87.50%
8	4					182	98.91%
184	129	34	15	4	2	102	
10.			1	4	2	181	95.26%
190	140	33	-			102	97.14%
	66	25	11	0	3		
105	00			11	5	90	94.74%
95	30	33	16	AL PROPERTY.	SELECTION OF SELECTION	NEW TOWN	96.56%
MEE 93	A. V. W. W. W.	Charles of Man	10	19	13	562	90.50
582	369	126	48				
	Students 8 184	8 4  184 129  190 140  105 66  95 30	Students     FCB       8     4       184     129       190     140       33       105     66       25       95     30       33	Students     PCD       8     4     1     2       184     129     34     15       190     140     33     4       105     66     25     11       95     30     33     16	Total No. of Students         FCD         FC         SC         Class           8         4         1         2         0           184         129         34         15         4           190         140         33         4         4           105         66         25         11         0           95         30         33         16         11           369         126         48         19	Total No. of Students         FCD         FC         SC         Class         F Grade           8         4         1         2         0         1           184         129         34         15         4         2           190         140         33         4         4         2           105         66         25         11         0         3           95         30         33         16         11         5           95         126         48         19         13	Total No.of Students         FCD         FC         SC         Pass Class         F Grade Students Passed           8         4         1         2         0         1         7           184         129         34         15         4         2         182           190         140         33         4         4         2         181           190         66         25         11         0         3         102           95         30         33         16         11         5         90           95         30         126         48         19         13         562

Controller of Examination

August-2021 Semester End Examination

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

-	TOTAL	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

Semester: II

Academic Year :2020-21

Branch	Total No.of Students	FCD	FC	SC	Pass Class	F Grade	No. of students Passed	Pass %
Al	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%

2.9 Reconstitution of IQAC Cell

# Internal Quality Assurance Cell

Reconstitution of IQAC Cell

Members 2022-2023

Sl. 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

# New Horizon College of Engineering

# Internal Quality Assurance Cell

# Members 2021-2022

	Sl. Name of the member No.		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
1	9.	Dr.SheelanMisra	HoD - MBA	Member
	10.	Dr.Sowmya Narayanan	HoD - Center for Life Skills and Lifelong Learning	Member
		D Minnion BC	HoD - CE	Member
	11. 12.	Dr.Niranjan P.S. Mr.Puneeth H V	Sr. Asst. Professor, ME	Member
_	10	Dr.B.Rajalakshmi	HoD - CSE	Member Secretary
	13.	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

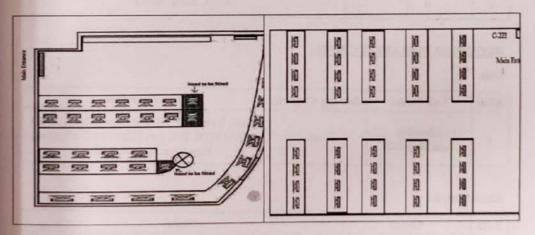
Chairman

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)
- 4. We require Air conditioning facilities for the existing lab and proposed new lab.
- Store 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

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 <sup>TM</sup> i3-3200 CPU @3.30 GHz 8GB RAM   500GB HDD   21.5" ViewSoni LCD Monitor   Key Board   Optical Mouse
2	Altair – Data Science Lab	40	Intel(R) Core <sup>™</sup> 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)   16G RAM   1TB SSD (or) HDD   LED Monitor Key Board   Optical Mouse

#### Class Rooms:

S.No	Count	Name
1	2	The Internation of

2.11 Report on Library Upgradation

#### **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 IEI.

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	Data
2,	Awareness Program on NIDI I for (F. 9, TD)	Date of the Even
	Trival cliess Program on MINITE OF ST	19.07.2021
3.	NDLI Online Quiz	08.09.2021
4.	NDLI Debate	16.11.2021
5.	NDLI Go Fish	02.12.2021
6.	NDLI Film Screening	16.12.2021
7.	NDLI Draw	30.12.2021
8.	NDLI Write On	13.01.2022
9.	NDLI Lecture Series	27.01.2022
10.	NDLI Role Play	10.02.2022
11.	NDLI Makerspace	24.02.2022
	- Pucc	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. 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.

.12	Ratification	of recru	itment of	f faculty n	nembers
				The Control	
					3/3 33 9
				-	
				, 196	

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

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
	Mr Karthick Myilvahanan J	Assistant Professor	ISE	21-12-202
1	Ms Krishnaveni A	Assistant Professor	ISE	03-01-202
2	Mr Manikanda Kumar M	Assistant Professor	CSE	03-01-202
3		Assistant Professor	Maths	03-01-202
4	Ms. Priya Arokiyamary	Assistant Professor	CSE	10-01-202
5	Mr. Mahantesh K.M		CSE	02-03-202
6	Ms Priya T V	Assistant Professor	GSS .	02-03-202
7	Dr Senthamarai Kannan	Professor	ISE	14-03-202
8	Dr Sreejit Panicker	Associate Professor	AIML	
- 9	Ms Bhawna Khoker	Assistant Professor	ECE	14-03-202
	Ms Ishita Deb	Assistant Professor	ECE	21-03-202
10	Mr Nithin Kumar	Assistant Professor	ECE	28-03-202
11		Assistant Professor	ECE	04-04-202
12	Mr Ajay Sudhir Bale	Associate Professor	CSE	08-04-202
13	Ms Nirmala M	Assistant Professor	Chemistry	16-05-202
14	Ms Poornima G S	Assistant Professor	AI&ML	18-05-202
15	Ms. Shruthi S	Associate Professor	ISE	23-05-202
16	Dr. Jerald Prasath G	/Associate 110		

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

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3.1 Report on NAAC 2nd Cycle Accreditation

#### Internal Quality Assurance Cell

NAAC 2nd Cycle Accreditation

Criteria Key Indicators (KIs)		Metric		Weight age* Scale	Action to be taken	
	1.1 Curriculum Designand Development	I.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.Curric ular Aspects	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	2.1.2Average 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	
	on 1 22 - 10 1	2.4.2 Average percentage of full-time teachers with Ph.D. / D.M. / M.Ch. / D.N.B Super specialty / 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	

	of Research and Facilities	international fellowship for advanced studies/research during the last five years	0	0	receive financial support for the research activities from GOs or NGOs
3. Research, Innovations and Extension	3.4 Research Publications	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	Faculties need to be motivated to choose their Ph.D., Guides from NHCE  Co-Guide must be assigned from NHCE Guide List
	and Awards	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
	3.5 Consultancy	3.5.1 Revenue generated from consultancy and corporate training during the last five years (INR in Lakhs)	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	3.6.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., during the last five years  Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years	1	15	Students' involvement and participation in AICTE activity points are considered for Extension activities

	Collaboration	research/ faculty exchange/ student exchange/ internship/ on -the-job training/ project work	0	0	abroad certificates need to be maintained in department
4.Infrastruc ture and Learning	4.3 IT Infrastructure	4.3.4 Institution has Facilities for e-content development	2	8	Library Conference room is provided with the necessary facilities for e- content development Bills
5. Student Support	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	5	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
and Progression	5.2 Student Progression	5.2.2 Percentage of student progression to higher education (previous graduating batch)	2	20	Awareness program on higher studies need to be organized in department level
	5.3 Student Participation and Activities	5.3.3Average number of sports and cultural events i competitions organized by the institution per year	1	10	Good number of sports and cultural events / competitions organized by the institution post pandemic period
6.Governa nce, Leadershi p and Managem ent	6.3 Faculty Empowerment Strategies	6.3.2Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years	2	16	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

3.2 Report on NIRF Ranking 2021

## NIRF Ranking 2021

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

3.3 Report on ARIIA Ranking 2021

#### 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.

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



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,
Type of meeting	Dean-QASDC, Offline
Facilitator	Dr. Rajesh G, Assoc. Prof/ECE.
Attendees	1. Dr. Sujitha, PEFEEE 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 | PresenterDr. Sanjeev Sharma

DiscussionConversation: 1. Identification of NBA Department Coordinator.

2. Faculty In-charge for NBA Criterion.

3. Assigning Faculty for criterion data collection and compilation.

#### ConclusionClosing:

S. No	Action items	Person responsible	Deadline
1.	Department level Coordinators are identified.	1. EEE NBA Coordinator: Dr. Sujitha, Asp JEEE 2. ISE NBA Coordinator: Dr. Srinivasan L, Assoc Prof/EEE	To and a second
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

DiscussionConversation: 1. Compliance report of previous NBA visit for reference.

#### ConclusionClosing:

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:

	ture teems .	I B	Deadline
S. No	Action items	Person responsible	
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:

Concius	ioncrosing .	_	Person responsible	Deadline
S. No	Action items			Date: 21-05-
	Initiating the compilation of SAR.		EEE : Dr. Sujitha, ISE : Dr. Srinivasan L	2022, 3.00 PM
4.	miniating in a serie		IOD . Di. Olim	to the same of the

#### Additional Note:

#### Members Present:

S. No	Name of the Member	Signature	Remarks
1.	Dr. Sanjeev Sharma, Dean- QASDC.	last	
2.	Dr. Rajesh G Assoc. Prof/ECE	Glyn	111111111111111111111111111111111111111
3.	Dr. Sujitha  ASPJEEE	Dummin	- Viscousia
4.	Dr. Srinivasan L Assoc Profiles	8	

Dean- QASDC

Principal

3.5 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.



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

Al software engineers build software products for Al applications. They bring together development tasks like writing code, continuous integration, quality control, API management, etc., for Al 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

SI.	Course	Course Name	BOS		Cred tribu		. 111	Overall	Contact Hours	Marks		
No.	Code			L	Т	P	s	δū	3 <sup>m</sup>	CIE	SEE	TOTA
1.	XXDSE31	Mathematics for Intelligent systems	AS	2	1	0	0	3	4	50	50	100
2.	XXDSL32 A	Python for ML	CSE	2	0	0	0	2	2	25	25	50
3.	XXHSS33	Adalitha Kannada	HSS	1	0	0	0	1	2	25	25	50
	XXHSS325	Vyavaharika Kannada	HSS	1 .	0	0						50
4.	XXDSE33 A	Operating system	CSE/ DSE	3	0	0	0	3	3	50	50	100
5.	XXDSE34 A	Data Structure and thms	CSE/ DSE	3	0	0	0	3	3	50	50	100
6.	XXDSE35	Applied statistical analysis	CSE/ DSE	3	0	0	0	3	3	50	50	100
7.	XXDSE36 A	OOPS with Java	CSE/ DSE	3	0	0	0	3	3	50	50	100
8.	XXDSE37	Digital Logic Design lab	CSE/ DSE	0	0	1	0	1	2	25	25	50
9.	XXDSL38	Data Structures Using C lab	CSE/ DSE	0	0	1.5	0	1.5	3	25	25	50
10.	XXDSL39	Python Programming lab	CSE/ DSE	0	0	1.5	0	1.5	3.	25	25	50
11.	XXDSE39	Mini Project	CSE/ DSE	0	0	2	0	2	4	25	25	50
		Total						24	32	400	400	800
1.	XXDMAT3	Basic Applied Mathematics-1	BS	0	0	0	0	0	2	25	25	50
2.		Essential English	HSS	0	0	0	0	0	2	25	25	50

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		
	UMAR		L	Т	P	S	000	C	CIE	SEE	TOTA L
XXMAT41A	Discrete Mathematics And Graph Theory	MAT	2	1	0	0	3	4	50	50	100
XXDSEXX	Introduction to drones	CSE/ DSE	3	0	0	0	3	3	50	50	100
XXDSEXX	XXDSEXX Data Acquisition		0	0	0	0	0	2	50	50	100
XXDSE43A	Advanced Java lab	CSE/ DSE	3	0	0	0	3	3	50	50	100
XXDSE44A	Oops with Java	CSE/ DSE	3	0	0	0	3	3	50	50	100
XXDSE45A	Operating Systems	CSE/ DSE	3	0	0	0	3	3	50	50	100
XXDSE46A	Database Management Systems Lab	CSE/ DSE	0	0	2	0	2	4	25	25	50
XXDSE47A	Oops with Java lab	CSE/ DSE	0	0	1.5	0	1.5	3	25	25	50
XXDSE48A	Operating Systems lab	CSE/ DSE	0	0	1.5	0	1.5	3	25	25	50
XXDSE49A	Mini Project	CSE/ DSE	0	0	2	0	2	4	25	25	50
	Total						22	32	400	400	800
XXDMAT41	XXDMAT41 Basic Applied Mathematics-II		0	0	0	0	0	2	25	25	50
XXHSS172	Constitution of India and Professional Ethics	HS S	0	0	0	0	0	2	25	25	50

XXDMAT41A, 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	Course Name	BOS		10	edit bution		Overall	Contact	Marks		
Code	Course rame		L	Т	Р	S	65	Col	CIE	SEE	TOTAL
XXDSEX	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
XXDSEX	Signal and Image processing	CSE/ DSE	3	0	0	0	3	3	50	50	100
XXDSEX	Theory of computation	CSE/ DSE	3	0	0	0	3	3	50	50	100
XXDSEX	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
XXDSEX X	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	700
	Total					3	22	27	350	350	700

Professional Elective - 1						
Course Code XXDSEXX	Course Name 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			n	Overall	Contact	Marks		
				L	Т	P	S			CIE	SEE	TOT
l.	XXDSEXX	Reinforcement learning	CSE/ DSE	3	0	0	0	3	3	50	50	1 1
2.	20DSEXX	Deep learning for signal and image processing	CSE/ DSE	3	0	0	0	3	3	50	50	10
3.	20DSE63	Machine Learning	CSE/ DSE	3	0	0	0	3	3	50	50	10
4.	20DSEXX	AI in Natural Language Processing	CSE/ DSE	3	0	0	0	3	3	50	50	10
5.	20DSEXX	AI in speech processing	CSE/ DSE	3	0	0	0	3	3	50	50	10
6.	20NHOPXX	Open Elective - 1	COE's	3	0	0	0	3	3	50	50	10
7.	20DSEXX	Statistical analysis Lab	CSE/ DSE	0	0	1	0	1	2	25	25	5
8.	20DSEXX	Data Visualization Lab	CSE/ DSE	0	0	1.5	0	1.5	3	25	25	5
9	20DSL68	Machine Learning Lab	CSE/ DSE	0	0	1.5	0	1.5	3	25	25	5
10	20DSE69	Mini Project	CSE/ DSE	0	0	2	0	2	4	25	25	5
		Total						24	30	375	375	7

essional Elective - 2	Professional Elective - 3						
Course Name							
Data Visualization	and the second s	Soft Communication					
Introduction to Cloud Computing	200000000	Soft Computing Business Process Management					
	Course Name Data Visualization	Course Name Course Code  Data Visualization 20DSEXX					

	Open Elective - I
Course Code	Course Name
20NHOP01	Big Data Analytics using HP Vertica-I
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	HOT - 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

1.	XXDSEXX	Deep Reinforcement						Overall	Contact	Marks		
		Deep Reinforcement		L	T	P	s		0	CIE	SEE	101
2.	MATERIAL STREET	Learning	CSE/ DSE	3	0	0	0	3	3	50	50	100
	XXDSEXX	Computer Networks	CSE/ DSE	3	0	0	0	3	3	50	50	100
3.	XXDSEXX	Business Intelligence	CSE/ DSE	3	0	0	0	3	3	50	50	100
3.	XXDSEXX	Professional Elective – 4	CSE/ DSE	3	0	0	0	3	3	50	50	100
4.	XXDSEXX	Professional Elective - 5	CSE/ DSE	3	0	0	0	3	3	50	50	100
5.	XXNHOPX X	Open Elective – 2	COE's	3	0	0	0	3	3	50	50	100
6.	XXDSEXX	Web Technologies - Lab	CSE/ DSE	0	0	1.5	0	1.5	3	25	25	50
8.	XXDSL77	Computer Networks Lab	CSE/ DSE	0	0	1.5	0	1.5	3	25	25	50
9.	XXDSE78	Project Phase-1	CSE/ DSE	0	0	3	0	3	3	50	50	50
		Total	1					9	3	20 1	20	

	Professional Elective – 4						
Course Code	Course Name						
XXDSEXX	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

ourse	Course Name	BOS	Credit Distribution				Overall Credits	Contact	Marks		
Code			L	Т	P	s	65	Co	CIE	SEE	TOTA L
1100	Professional Elective-6	CSE/ DSE	3	0	0	0	3	3	50	50	100
X OSE82	Internship Viva	CSE/ DSE	16	-	4	0	4	4	50	50	100
SE83		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					

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

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

Ref NH/VTU/ CL/23/2022

09.04.2022

The Registrar Vsvesvaraya Technological University, nanasangama, Santibastwad Road, Macche, Belgaum-590018

Respected Sir.

Subject: Closure of MTech Programs

with reference to above subject, we would like to inform you that our Trustais 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. From 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,

rincipal

New Horizon Knowledge Park

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

1080-66297777 A www newhortzonindia edu Anhaeoffice@newhortzonindia edu



The Trust is a Recipient of Prestigious Rajyotsava State Award 2012 Conferred by the Government of Karnetile

## EXTRACT OF MINUTES OF MEETING VIDE ITS EXECUTIVE COUNCIL MEETING HELD ON 30<sup>TH</sup> MARCH 2022

To consider and approve to apply to Government of Karnataka, Visvesvaraya Technological University and All India Council for Technology in 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 - Kasturinagar

· New Horizon Pre University College

· New Horizon College of Engineering

100 Feet Road Indiranagar, Bangalore-560 (101) Tel: 91-80-2526 1735 Fax: 91-80-2526 (101) E-mail: chairman@newhorizonindia.edu 3.8 AQAR Yearly Report Submission for 2020-21





# YEARLY STATUS REPORT - 2020-2021

Part A							
Data of the	Institution						
ame 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, Kadabeesanahalli, Bengaluru, Karnataka 560103						
City/Town	Bengaluru						
State/UT	Karnataka						
Pin Code	560103						

## 2.Institutional status

<ul> <li>Autonomous Status (Provide the date of conferment of Autonomy)</li> </ul>	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		
<ul> <li>if yes, whether it is uploaded in the Institutional website Web link:</li> </ul>	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	20000

mepartment of utomobile upineering, men Horizon college of ugineering	Students Project Programme	Karnataka State Council for Science and Technology	24/04/2021	6000
epartment of ivil ingineering, inv Horizon college of ingineering	Students Project Programme	Karnataka State Council for Science and Technology	24/04/2021	18000
pepartment of nivil ingineering, tew Horizon college of ingineering	Centres of Excellence in Science, Engineering and Medicine (CESEM)	Vision Group On Science And Technology	17/08/2021	300000
epartment of Mectrical and Mectronics Ingineering, We Horizon College of Ingineering	Student Project Proposal Scheme	Karnataka State Council for Science and Technology	24/04/2021	26000
epartment of lectrical and lectronics dineering, W Horizon bllege of dineering	Faculty Development Programme Scheme	AICTE Training and Learning (ATAL) Academy, New Delhi	06/07/2021	93000
partment of lectrical and lectronics gineering, a Horizon sllege of gineering	Start-up Grant Scheme	IEEE Chapter Start-Up Grant Scheme, IEEE Bangalore	15/06/2021	36750
Horizon ollege of gineering	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:

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

Yes
No File Uploaded
No
made a series

(Significant contributions made by IQAC during the current year (maximum five lets)

Tier-1 Accreditation for four programs i.e. Computer Science Engineering, Civil Engineering, Electronics & Communication Ingineering and Mechanical Engineering. 2. NBA Tier-2 Increditation for three programs i.e. Automobile Engineering, lectrical and Electronics Engineering and Information Science Ingineering 3. Participation in NIRF and Collaboration with the organizations. 4. Introduction of two new UG programs i.e. Imputer Engineering and Artificial Intelligence & Machine Intelligence & Machine Intelligence Intellige

LPlan of action chalked out by IQAC at the beginning of the academic year wards quality enhancement and the outcome achieved by the end of the ademic year:

an of Action	Achievements/Outcomes		
Improvement in number of tudents Placed in capanies	814 students placed for the year 2020-21		
Improvement in NPTEL 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 ational Institutional anking Framework and ATAL anking of Institutions on amovation 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 5. Improvement in Patents filed		in SCOPUS			
		Patents f 0-21			
6.Encouragement towards B.E Honours degree	35 for	Students B.E Hono	successi urs degr	ee pro	gram
13. Was the AQAR placed before the statutory body?		Yes			
Name of the statutory body					Sign !
Name of the statutory body			Date of n	neeting(	s)
Governing Council Meeting			27/09/2	2021	
14. Was the institutional data submitted to AISHE?	ted	Yes	120	Parties	
• Year					
Year	Date of Submission				
19/02/2022	19/0	2/2022		10 10	
Exte	ndec	l Profile	Lay		11/2
1.Programme	i gaza		t via Annië	- Alphia	701114
.1					14
lumber of programmes offered during	the ye	ear:			
File Description			<u> </u>	Docume	The state of the s
nstitutional Data in Prescribed Format				V	ew File
Student				1271.02	
1 tal number of students during the yea	r.			0.2 5	5640
				Docume	ents
ile Description stitutional data in Prescribed format			113	-	ew File
Personalities waste in Francisco in Contract					

3.9 Faculty Development Program conducted for faculty/ staff

## NEW HORIZON COLLEGE OF ENGINEERING

## 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 <sup>th</sup> July 2021 to 31 <sup>st</sup> 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

## NEW HORIZON COLLEGE OF ENGINEERING

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

## Faculty Development Program conducted for faculty/ staff

l. No.	Date	Department	Title of the Event	Resource Person
1.	5th July 2021 to 1st 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

Dr. 35 Vanisain Dammer REMEDIALE YMPERON. Construction Technology Department, VTG PG Center (A Constituent College MYTH Hear New 2 T O office, Known Word, Kalaburagi - 585105 Dr. T. Jothi Saravanan, Ph.D. Assistant Professor Indian Institute of Technology Bhidianachwar, Oriona Dr. Rushita Guyta Associate Prefessor. School of Planning and Architecture New Delhi, India Mr. Ashis Manna Senior Principal Structural Engineer, Me Demott International Inc., Chennai, Tamil Nadu, India Mr. Raghunath Rayula Managing Director & CEO heademy of Concrete Technology Bangalors, India Dr. Vinayak Kasahal Audietant Freferien University of Texas at Arlington TEXAS, UNITED STATES In Zavindra 2 PARKETHE YNTERNA RV College of Engineering

				BCV Developers PVELED Bangalore, India Dr. B.V. Ravishankar Principal BMS College of Engineering Bangalore - 560019  Mr. Venkatesa Perumal Team Leader
		min AA AL physiotograph on Allegatic		Property and Infrastructure Projects WS Atkins Bangalore, India
		Dall Gran		Dr. Lorenzo Borselli Professor & Researcher, Universidad Autonoma de San
				Autonomous University of San Luis Potosí Álvaro Obregón # 64, Col. Centro,
		- A.M. 19 (19 19 19 19 19 19 19 19 19 19 19 19 19 1	Towns you'll be properly to the	CP 78000 San Luis Potosí, SLP México
	7/3/22 -FN		La property and the second residence of	Dr. Ramesh Naidu Laveti, Joint Director, C-DAC
	7/3/22 -AN	The state of the s		Mr. Dinesh Krishna, Technical Specialist, LTI-Larsen & Turbo Infotech
2.	8/3/22-FN CSE	CSE	Data Science and Machine Learning	Mr. Venkatesh Kumar, Senior Specialist Data Scientist, Larsen and Toubro InfoTech
	8/3/22-AN			Ms.Padmalochini S Researcher, IIT Bombay
	9/3/22-FN			Dr. J. Jayaprakash, Professor, Department of ME, Dr.MGR University

	10/3/22 11/3/22-FN			Dr. V. Timenand, Professor, Propriet Care, Achieve Institute of Lecturality  Dr. V. Timenand Valympuri  Assistant Professor,  Department of CS&IS,
	11/3/22-AN			Prince Sultan University Dr. Suraj Kumar Bhagat, Ph.D Scholar, Ton Due Thang University
3.	15th to 19th November 2021	Mechanical Engineering	"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"	Dr. KA Subramanian, Professor & HOD, Department of Energy Studies, HT-Delhi, India
				Dr. N. Gnanasekaran, Assistant Professor, Department of Mechanical Engg, National Institute of Technology Karnataka, Surathkal, India
				Dr. Jagannath Hirkuds, Professor, Department of Mechanical Engg, Goa College of Engineering, Goa, India
				Dr. B Ashok, Associate Professor, Department of Mechanical Engg, Vellors Institute of Technology, Vellors Campus, India
				Dr. Gnanamoorthi, Assistant Professor, Department of Mechanical Engg, Anna University Villupuram Campus, India
				Dr.A. Haiter Lenin, Professor, Department of Mechanical Engg. WOLLO University, Kombolsha,

Prof. Suncetha V, Sr.Life Skills Trainer, HRD, New Horizon College of Engineering, Bengaluru, India Dr. Dhinesh Balasubramanian, Post Doctoral fellow, Department of Mechanical Engg, Khon Kaen university Thailand, Khon kean Dr. D. Sakthivadivel, Assistant Professor (Senior), Department of Mechanical Engg, Vellore Institute of Technology, Vellore campus, India Dr. S Prasanna Raj Yadav, Associate Professor, Department of Mechanical Engg, Easwari Engineering College, Chennai, India Dr. Beemkumar N, Associate Professor, Department of Mechanical Engg, JAIN (Deemed-to-be University), Bengaluru, India Dr. B Ashok, Associate Professor, Department of Mechanical Engg, Vellore Institute of Technology, Vellore Campus, India Dr. N. Nallusamy, Registrar, Shiv Nadar University Chennai, Chennai, India Dr. Melvin Victor Depoures, Associate Professor, Institute of Automobile Engineering, Saveetha School of Engineering, Saveetha Institute of Medical and Techincal Sciences, Chennai, India

	30/10/2021	ISE	Refresher Course for Researchers	of 155
5.	11.11.21	AI&ML	Workshop on ALTAIR Tool Usage	Mr.Subho Iyoti, 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
	8. To 09.07.20	EEE	ATAL-AICTE Faculty Development Program "Industry 4.0 and its Challenges"	Dr.B.Hariram R&D Manager, ABB Bengaluru  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

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

		Professor Department of Electrical and Electronics Engineering Karunya Institute of Technology and Sciences, Coimbatore Dr. K. Selvakumar Assistant Professor Department of Electrical and Electronics Engineering SRM Institute of Science and Technology, Chennai Mr. K. Maharaja Lecturer Department of Engineering University of Technology and Applied Sciences, Al Musannah, Oman Mr. S. Selvakumar Business Head Power Project, Chennai Dr. K. Vinoth Kumar Associate Professor, Department of Electrical and Electronics
		Engineering
		New Horizon College of Engineering, Bengaluru  Dr. Mariappan Vallikan

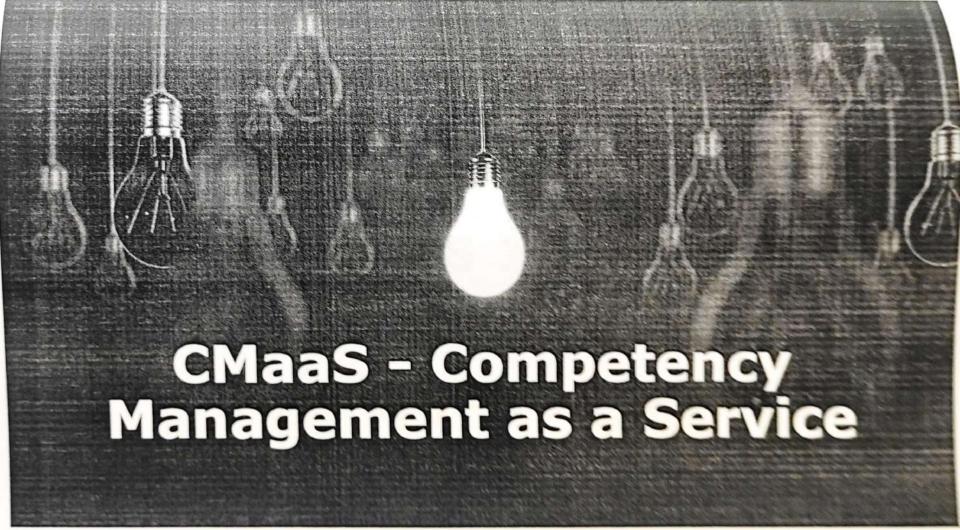
12.	29.09.2021	EEE	Distinguished Lecture on "Model predictive control in power electronics: a critical review and recent industrial products"	Dr. Tobias Geyer ABB Corporate Research, Switzerland, and Stellenbosch University, South Africa
13.	23.10.2021	EEE	Distinguished Lecture on "Wide Bandgap (WBG) Power Electronics Systems for Heavy-Duty Vehicles	Dr. Brij N. Singh John Deere Inc., USA
14.	17.01.2022	EEE	Synchrophasor Technology	Mariselvam Arumuga Research Scholoar (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
17.	06.08.2021	МВА	Managers of the Future: Career Pathways In Business Analytics	1.Dr. Charu, Financial Consultant,     Dubai.      2. Prof. Avv Maria     Bruccoleri, UAEAsoocaition, Italy
18	- 1.00.2021	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

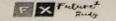
21.	11.11.2021	MCA	Visual Data Analysis using Tableau	Dr. Padmalachini, Technical Expert, Skyfi Labs
22.	08.02.2022	MCA	An insight into Patent Drafting and Filing	Dr. Dipti D Patil, Prof. Dept of IT, MKSSS'S CUMINS College of Engineering for Women, Pune
23.	06.05.2022 - 10.05.2022	MCA	Insight to TensorFlow	Mr. Koustub 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

					Assistant Professor
					Indian Institute of Information
					Technology Bengaluru
					Mr.Essaki Raja S
					Senior Application Engineer
			A CONTRACT OF		V I Solutions
					Bengaluru
					Mr.Vinnalan
				Two Days Industrial Training Program for Faculty	Application Engineer
	25.	23.11.2021 &	ECE	on	
		24.11.2021			CoreEL Technologies
		A Later of the Lat		Asic Analog and Digital Design Using Mentor Graphics	Bengaluru
					Bengalulu
		10 11 01	Dept. of		Dr. Rudresh M.
	26.	10-11-21	Applied	Overview of intellectual property rights and patent filing	Down I Saw Callant of
			Sciences -	procedure	Dayananda Sagar College of Engineering, Bengaluru,
			Physics		Engineering, Dengamu,
7			Dept. of		Dr. Subhasree Nag
	200		Applied		Regional Solutions Consultant for the
	21.	27. 07-06-2021	Sciences -	Wen at science & Endinate for researchers	life Sciences & scholarly research
			Physics		division ,Clarivate Analytics USA
	1111				
	28.				Dr. Sandeep Kumar, RRI, Bangalore
	29.	6-4-2022	Dant of		Dr. Lakshmi Narayanan, RRI, Bangalore
		G-4-DILL	Dept. of	pplied Materials for Fineray Applications (VGST Sponsored)	
	30.	-	Sciences -		Dr. Shivakumara C, IISc, Bangalore
	31.	9-4-2022	Chemistry		Dr. Ramakrishna Matte, CeNS, BLR
1	32.				Dr. Yellammagad, CeNS, Bangalore

33.		Dr. Michael Rajamathi St. Josephs University, Bangalore
34.		Dr. Nataraj, Jain University, Bangalore
35.	works and	Dr. Ganapathi Shanbhag, PPISR, Bangalore
36.	Sample Comment of the	Dr. Daruka Prasad B, BMS Institute of Technology, Bangalore

3.10 Psychometric Tests for staff





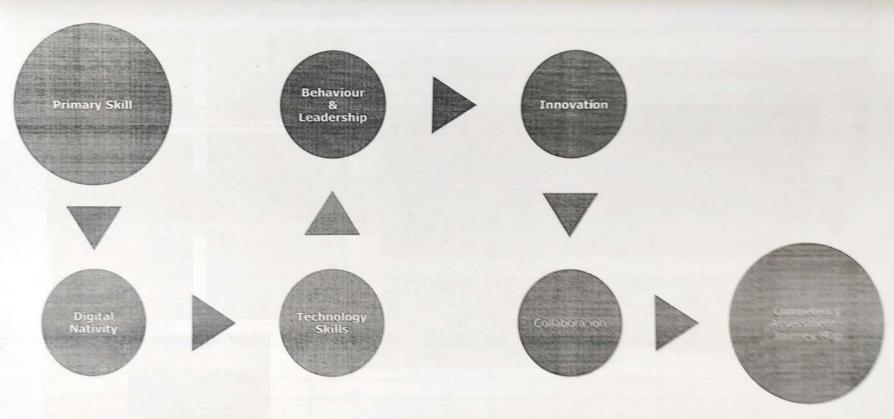
# CMaaS - Competency Management as a Service

ALDP Continues Cycle - Assess, Learn, Develop and Perform

Transformation Journey towards Excellence

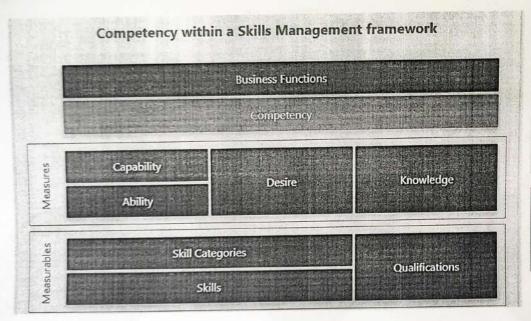
### **CMaaS - Evaluation Matrix**





## Our Offerings - Innovative Framework, & Approach





Customized Survey Input Competency Assessment Logic

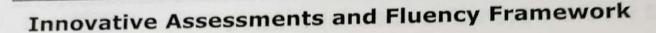
AI based Computation Engine

Profile based screening

Competency Score and Skill gap

Industry benchmark Journey map

Recommendations
- Futuristic
directions





Conference as a form of assessment

Video assignments (as alternatives to essays)

Engage with Industry Leaders and Experts

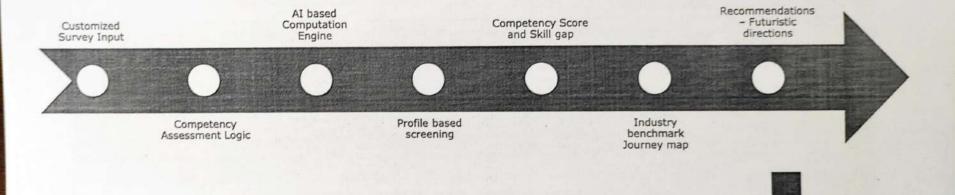
Role Plays and Panel Discussions on Applicability

Group work on a Collaboration platform

Competency Fluency Framework										
A Company of the Company	Facul	ity 1	Facult	y 2	Facult	у3	Facul	Faculty 4		y 5
Competencies	Competency	Interest	Competency	Interest	Competency	Interest	Competency	Interest	Competency	Interest
Primary Skill	4	1	4	1	1	1	2	1	2	1
Digital Nativity	1	1	2	Sample	Scoring Pat	terni	3	1	3	1
Technology Skills	1	0	1	0	2 2	1	1	0	1	0
Behaviour & Leadership	2	0	1	0	4	1	2	1	2	1
Innovation	3	1	4	1	2	0	2	1	2	1
Team player	1	1	1	0	2	0	4	1	4	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

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

### DEPARTMENT OF RESEARCH & DEVELOPMENT

### Faculty enrolled for workshops

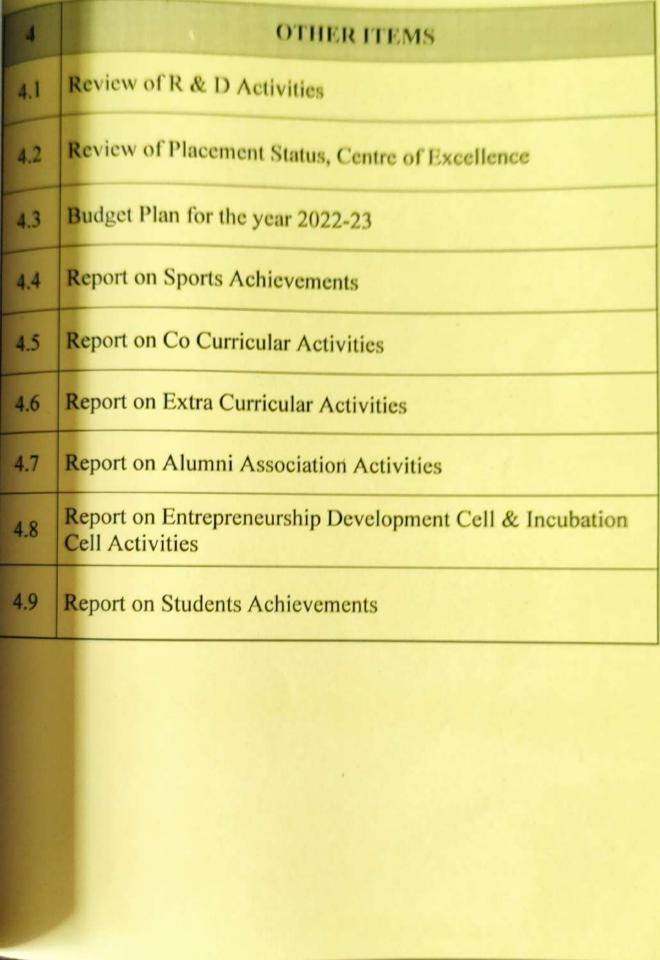
CI No	Parameter	Number
Sl. No.	Parameter Total No. of FDP Attended by Faculty of Department	239
2	Total No. of Seminar Attended by Faculty of Department	118
3	Total No. of MOOC Attended by Faculty of Department	89
4	Paper Published	157

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

### 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



# 4.1 Review of R & D Activities

### DEPARTMENT OF RESEARCH & DEVELOPMENT

#### Review of R&D Activities

#### 1. Research Initiatives:

- 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.
- 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:

- 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 22<sup>nd</sup> April, 2022 at Library Auditorium.
- 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,

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

#### 3. Research Progress:

#### Research Publications:

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

increase of a number s	Scopus Indexed	WoS Indexed Publications	Total
Year	Publications	9	40
2016	31	11	47
2017	36	14	60
2018	46	26	93
2019	67	30	105
2020	75	39	159
2021	120		
2022 ( As on 16 <sup>th</sup> May,	167	32	140
2022)	157	THE RESERVE OF THE PERSON NAMED IN	

### 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

Name of the Principal Investigator/ Co- Investigator (if	Department of the Principal Investigator/ Co-Investigator	Name of the Funding Agency	provided (INR in Rs.)
	Mechanical Engineering	KSCST	60,000
	MBA	AICTE	11,75,000
	Physics	VTU	7,00,000
Prashanth	DE DETRONICS AND	VTU	7,00,000
Dr. Sanjeev Sharma / Dr. Gurulakshmi	COMMUNICATION ENGINEERING	. Ap in	15,00,000
Dr. Thirukkumaran	Computer Science and Engineering	AICTE	2,25,000
	Name of the Principal Investigator/ Co- Investigator (if applicable)  Dr. Arun Babu  Dr. Sheelan Mishra  Dr. Revathi. V / Dr. Prashanth  Dr. Sanjeev Sharma / Dr. Gurulakshmi	Name of the Principal Investigator / Co- Investigator (if applicable)  Dr. Arun Babu  Dr. Sheelan Mishra  Dr. Revathi. V / Dr. Prashanth  Dr. Sanjeev Sharma / Dr. Gurulakshmi  Dr. Gurulakshmi  Department of the Principal Investigator  Mechanical Engineering  MBA  Physics Physics COMMUNICATION ENGINEERING  Computer Science and	Investigator (Co- Investigator (if applicable)  Dr. Arun Babu  Dr. Sheelan Mishra  Dr. Revathi. V / Dr. Prashanth  ELECTRONICS AND COMMUNICATION Gurulakshmi  ENGINEERING  Computer Science and  AICTE  AICTE  AICTE  Computer Science and  AICTE

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.

urents published ;

parents have been published during Academic Year 2021-22

onsultancy:

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

Faculty Name	Department	Consultancy Agent	Amount (Rs.)
Dr. Siddesh G.K	R&D / ECE	BITS, PILANI	2,35,000
Mrs. Jayashree	CSE	RAJASTHAN BITS, PILANI RAJASTHAN	1,42,000
Dr. Anandhi & Dr. Gautham	ISE	Agrim Housing Finance Private Limited, Mumbai	3,75,000

# Research Center Details:

total of 28 Research Scholars have registered to pursue PhD from VTU, Belagavi in NHCE search 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.

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

Review of Placement Status, Centre of Excellence

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

2020	2021	2022
750	751	1220
69	68	104
207	181	224
1026	1000	1548
	750 69 207	750 751 69 68 207 181

Dept of HRD (CR, L&D and P)

2	022	Batch	-	Placement	D	a	ta

Branch	Total Strenth Re	egistered for Placements	No of Students Placed Nu	imber 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

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.

- 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

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Budget Plan for the year 2022-23

# CONSOLIDATED BUDGET PLAN FOR THE YEAR 2022-23

N Dept		By Dept	Budget Allocated
1 Auto		40,75,000.00	31,70,000.00
2 Applied Science	es	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	
11 MBA		1,06,00,000.00	90,50,000.00
12 MCA		1,07,00,000.0	
13 Library		54,65,000.0	000 00
14 Buildings, Offi	ce & General	3,00,00,000.0	1
Tota		17,94,25,000.0	

NEW HORIZON EPYCATIONAL INSTITUTIONS

SR. EXECUTIVE DIRECTOR

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

Report on Sports Achievements

### Department of Physical Education & Sports Sports Achievements in the Year-2020-21(Even Semester)

BASKETBALL (Women) BASKET BASE

Runners Up in "Malleshwaram Cup Basket Ball (Women) Tournament-2020" held at Malleshwaram, on 25th Jan To 2nd FEB 2020

Runners Up in "SPIEL Cup Basket Ball (Women) Tournament-2020" held at St. Joseph college of commerce, on 8th Feb To 13th FEB 2020

Winners in "R V C E Momentum-2020" Inter Collegiate Basket Ball (Women) Tournament held at R V C E, on 22<sup>nd</sup> To 24<sup>th</sup> FEB 2020

# VOLLEYBALL (Men)

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

#### VOLLEYBALL (Women)

I. Il 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. I 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)

l. 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.
- 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)

Tennis (Women)

Tennis (Women)

Runners in ALTHLOS Table Tennis (W) Tournament-2022 Held at Alliance University

Runners on 26<sup>th</sup> to 29<sup>th</sup> April 2022

Bangalore, on 26<sup>th</sup> to 29<sup>th</sup> April 2022

| Men | Men | Chri-Spo Volleyball (M) Tournament-2022 Held at Christ University Bangalore, Runners in Chri-Spo April 2022

Report on Co-Curricular Activities

whe Academic year 2021-2022, 4 new Clubs were added with a Total of 31 Student Co-

Department	Name of the Club		
	brAIr	IAcs Club	
Al& ML Engineering	CE	net Club	
Al & ML Computer Engineering	Rocketry Club		
CE	Star	Start-Up Club	
(IBA			
Designation	Department	Dolo	

same of the faculty Associate Professor ECE Club Activity Incharge Piruthiviraj P

### List of Student Co-curricular Clubs

### Academic Year 2021-2022

CLUB NAME	DEPARTMENT
S.NO TSC CLUB	ECE
1 CHC CLUB	ECE
2 CCCLUB	ECE
3 POCKETRY CLUB	ECE
4 ACE CLUB	CSE
5 BIT CLUB	CSE
6 VID CLUB	CSE
: SWET(G) CLUB	ISE
8 is SCRUM CLUB	ISE
i-CSEH CLUB	ISE
VITA CLUB	ISE
NOTE CLUB	ISE
brAInIAcs CLUB	AI & ML
CE.net CLUB	CE
14 CE.IIC CESS 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

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

# Co-curricular Clubs Faculty Coordinators

		ny Coordinators	
PEPARTMENT	NAME OF STUDENT CLUB	PACTO OF	
	ACE TECH	FACULTY COORDINATOR	
CSE	MOBILE APP DEV	Ms. Pramilarani K	
	BIT	Ms. Timy N S	
		Ms. Subhashree Rath	
	i-SWET	Prof. Mounica B	
		Prof. Latha S S	
	i-SCRUM	Prof. Suvika K V	
		Prof. Bilvika K M	
ISE	i-CSEH	Prof. Vandana .C.P	
1914		Prof. Shanmugam Shoba M	
	VITA	Prof. Swathi B	
	Norm	Prof. Karthik	
	NOTE	Prof. Lohitha	
	PROFESSIONAL CONNECT CLUB	Dr Gurulakshmi A B	
		Prof. Divya Sharma	
	TECHNOLOGY SHARING CLUB	Prof. Vansha Kher	
ECE		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	
	ACUMEN CLUB	Prof. Pavithra S	
MBA	START UP	Prof. Sacumi	
A COLUMN TO SERVICE	ED CLUB	Prof. Sacumi	
		Dr Rohini B	
ASIC SCIENCES	Genesis Club /Math	Prof. Asha	
ASIC SCIENCES	Horizon Club	Dr. Jeyanthi Mishra	
		Dr D D Padma Priya	
	MECHODIZON	Di Di Di Fadina Priya	
*****	MECHORIZON CLUB	Prof Vines	
МЕСН	ROBOHORIZON CLUB	Prof. Vinay Prof. Sudarshan T A	

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

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:

NAME	DESIGNATION	
Dr. Manjunatha	Principal	ROLE
Dr. Rajalakshmi	HOD-CSE	CHAIRMAN
Dr. Rajaran	HOD-CIVIL	MEMBER
Dr. Niranjan Dr. Anitha S Rai	Dean Library and Alumni Relations	MEMBER
Dr. Mohan Kumar Naik	Professor-ECE	MEMBER
Dr. Monan Kullar Hola		MEMBER
Dr. Puneeth H V	Associate Professor- Mechanical	MEMBER
Mr. Tauseef Ahmed	Student Member	MEMBER
Mr. Bharatdeep Hazarika	Student Member	MEMBER
Dr. Piruthiviraj P	Associate Professor-ECE	MEMBER SECRETARY

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

PRINCIPAL

### STUDENT CLUB EVENTS

## ACADEMIC YEAR 2021- 2022

### ODD SEMESTER 2021

					CSE			
1	S	S NO Name of the Club		Faculty Coordinator Events Conducte		Name of the Events Conducted	Outcome	
1	1	1	Ace Tech Club	Ms. K.Pramilara	ni	1. Word war- Tech Debate	decision making	
1	2	BI	T CLUB	SUBHASHREE RA	TH	1) INSIGNIA	Gained coding skills	
3			CLUB	Ms. Tinu N.S		<ol> <li>Prayukti</li> <li>Technophilia</li> </ol>	To gain awareness on Mobile Application Development	
					ISE			
		i-SV	VET(G)	Mrs. Mounica B		1.Udhbhava	1. Technical based.	
	4		Club	Mrs. Latha SS	. 2	.Guest Talk		
5 iSc		rum	Bilvika K M	TE	CH UMANG	Gained knowledge on technical skills and encourages creativity		
				Suvika K V			thinking and problem solvi	
						1.S.Shobha	Technical contest with quiz, puzzle solving and coding	
	6	i-CS	EH	Code-O-Fiesta	Mr	sVandana C P	Aptitude round also included.	
7		VITA CI	LUB	Prof. Swathi B	Z	YPHER	239 students participated in Zypher where they wereawarded the winning titles based on knowledge, accuracy & time.	
		NOTE		Mrs.Kartiyayini Mrs .Lohitha M	1	Incident ainstorm	Technical event based on Basi awareness of advancements in technology, enhancement of coding skills	
				ECH	E			
	TSC CLUB			Deepak Kumar S N rof. Vansha Kher	(Techi and T	O HUNT nical Quiz echnical ure Hunt)	Fun based Technical Learning	
	EH	C CLUB	Prof. Paulraj	Richard Lincoln i, Dr. G Rajesh	Proteus	suing s: Hands- on	Aims in providing the participants the fundamentals of Proteus and hands-on session, construct circuits and design PCB layouts.	

NEW HORIZON ROCKETRY CLUB	LIPSA DASH	PCB WORKSHOP	Successfully completed, participants were shown and explained the process of manufacturing PCBs at Home
pCC	Dr. Gurulakshmi/ Ms.Divya Sharma	Enlightronics	Participants gained knowledge on applications of MATLAB followed by a quiz and fun-filled
	MECH		technical oration.
MecHorizon Club	Vinay DR	1. Neuro Combat	Great event to Improvise students Life Skills and Soft Skills,
SAP Next-	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.
gen	San Jacob	2. Technical Quiz Event TRIVIA-LA- SAP(Upcoming)	TRIVIA-LA- SAP is a critical thinking and SAP related even
RoboHorizon Club	Sudarshan T A	Ro-Boot!	Students participated in aptitud test and learnt how to attend placements and won books.
	CIVII		
		One day Workshop "Civileers"	Knowledge on Civil Engg
AVISHKAR CLUB	Geethu V	Webinar on Sustainability New Key driver of Innovation	Knowledge on Civil Engg
PRAKRUTHI CLUB	Ms. Serin Issac	PSITHURISM – A Green Voyage	Conducted on 20th December 2021
	AUTOMO		
		Sketch-Off	Drawing competition to sketch off-roaders and earth movers.
Automaniacs	Prof. Karthik A V	AUTO TRIVIA	Quiz on iconic car movies and motorsport.

				RS Auto Adventure	To Learn Automobile Applications	
1	1		Sr.Asst Prof. SMITHA	BS Aut		
	19	SAE	Sr./isst 1	EEE	1. Understand about the various	
2	0 ESC	oFT Club	Dr.S.Sujitha	Simulate It! (Hackathon) on 12th October, 2021	software tools available for Electrical and Computer Engineering 2. Learn simulation softwares self-learning.	
		Club	Dr. A. Singaravelan	Think Like an Entrepreneur	Promote their ideas and innovation into a business model	
21	Ucres	ite Club	Mr. Mohan BS		win a	
			MC MC	CA	1	
				Event to be held on 17-12-2021	Demonstrate knowledge abou upcoming technologies and apply e-designing skills to crea	
22	ED	AP	Dr. Arpana Prasad	Stratagem – Logo Designing	new designs.	
			MB	2. To give students a platform		
				1. Battle of Minds 12 and 13 July 2021	understand the baics of various	
23	Acumen	Club	Pavithra S	2. Mind Spark on 24 Feb 2021	understanding of real time marketing	
			Basic Sc	ience		
de Marie		Dr	B. Rohini (Physics)			
		(Ma	Padmapriya athematics)	National Mathematics	Students participated in the Event and gained the basic knowledge on Maths.	
24	Genesis Math horiz	zon Dr.	Jeyanthi Mishra emistry)	Day		
		Aash	na (Mathematics)			
			CE			
5	BrAInIAcs 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 Al & MI, trends in industry
	CUP-DE-VAL	
	10-11th Dec	
Mr. Rahul B		Test gaming skills
	and Constitution of the last	120 Maria 1907
	Mr. Rahul B	Game CUP-DE-VAL 10-11 <sup>th</sup> Dec

## STUDENT CLUB EVENTS

## ACADEMIC YEAR 2020- 2021

# EVEN SEMESTER 2021 & ODD SEMESTER 2020

		E	VEN SEMESTER 2021 &		
S.	NO N	ame of the Club	Faculty Coordinator	Name of the Events Conducted	Outcome
				CSE	
			The state of the s	1 Alumini Stories	To gain knowledge
		HATTE OF		2.Ace the Space	current trend and
	A	ce Tech	Ms.K.Pramilarani	1.Copy Cat	techniques
1	1	Club	MISTELL	2. Tri Tech Cup	
				1. BITS OF BIZ	Gained technical ski
	2 BIT CLUB		GAGAN SP	2. TECH TALK- COLLABORATION- COMMUNICATION COMPUTING	Gained knowledge of topic with industry expertise
2					SUBHASHREE RATH
				1) Apptronics 2.0	
				Hands-on Session on Android Studio	To gain awareness or Mobile Application
3	MD CLUB	LUB	Ms. Tinu N.S	1) AppWiz	Development
				Desktop based     Application Vs Web     based Application using     Java	
	e:		ISE		
	CIVET		Mrs. Mounica B	1.Data Science with Python	1.Mr. GuruprakashSivabalar Chairman of Xobin technologies gave a brief description about the Data Scirnce.
i	-SWET(	(G)	Mrs. Divya	2. Coding Contest.	Technical event which is based on the programming languages.
				Seminar on IoT	Understanding IoT Concepts

-m	Gowri Prasad	Online workshop on-	This event gave idea about working of	
iScrum	K M Bilvika	HANA	HANA: in memory database and basics of Database.	
iScrum	Gowri Prasad  K M Bilvika	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.	
i-CSEH	No Events were conducted due to Pandemic	MrsM.S.Shobha	No Outcome	
		MrsVandana C P		
	Prof. Swathi B	TECHNOWIZZ	The events were focused on technical quizzes,coding,	
or IID	Dr. Srinivasan L	VZARDS	debugging & content	
VITA CLUB		GEEK INVASION	About 120 Participated where all therounds were held	
n/so		UTKRANTI	on zoom platform.	
NOTE	Mrs.A.Rafega BehamMr.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	
	ECH	E		
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	

	0 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.
11	PCC		Build Arduino Submarine to Develop a 3-D modelled surface water drone	insight into how to design water drones.
11	PCC	Gurulakshmi	Build Arduino Submarine to Develop a 3-D modelled surface water drone	insight into how to design water drones.  1. Students got good Exposure on how to make rocket.
11	PCC  MecHorizon Club	Gurulakshmi	Build Arduino Submarine to Develop a 3-D modelled surface water drone  H  1. Rocket Making	insight into how to design water drones.  1. Students got good Exposure on
	MecHorizon	Gurulakshmi MEC	Build Arduino Submarine to Develop a 3-D modelled surface water drone  H  1. Rocket Making Competition  2. Hands on Workshop of Rocket	Students got good Exposure on how to make rocket.     Students were educated about the rockets by the industry professional and the skill was

	SAP Next	NIL		
	SAP In gen  RoboHorizon  Club	Sudarshan T A	1. Robotricks Quiz	Online quiz     veent on more than 10 topics and top scorers     got certificates.     Students got     knowledge on     application of ML in     business for one hour     from a data scientist     from USA.
			2. Guest Lecture Webinar on ML	3. One hour session on working of Aurdino, this helped students to build their
			3. Webinar on arduino	major projects
1		CIVIL		The same of the sa
	AVISHKAR CLUB	Geethu V	Webinar on significant career advantage through deep-technical skills + Civil Engineering Managerial Acumen	Benefitted with their Domain Knowledge
55	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 it importance for the sustainable developmen of the nation.	Benefitted with their Domain Knowledge
		AUTOM	OBILE	
		Prof. Karthik A V	AUTO QUIZ	Benefitted with the
17	Automaniacs		Sustainable development & circu economy- The need the hour	Domain Knowledg
	Automaniacs	Prof. Karthik A V		

			Webinar on SET BACK TO COME BACK	Benefitted with .	
18	SAE SAE	Sr. AsstProf.SMITHA BS	Auto Quest	Domain Knowledge	
		F	EE		
	ESOFT Club	Ms. Deepa V B	A 9 Days Crash Course "SoftVidya" From 11th November to 16th December, 2020	Understand the conceptual as well as practical knowledge of electrical domain datest	
19	Ucreate Club	Dr. A. Singaravelan	Hult Ideathon-1.0	Students got exposur and learn from variou experts around the	
	Ucreate Club	Mr. Mohan BS		world	
		MC			
	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	
20	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	
	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.	
21	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.	

Pavithra S  1. Business Acumen Story telling competition  2. Excelsior on 5th and 7th October 2020  1. Dr.B. Rohini (Physics)  1. Dr.B. Rohini (Physics)  2. Dr. Padmapriya(Mathematics)  2. IMPROMPTU: ENGLISH EXTEMPORE  3. Dr.Piyushi Naughtiyal(Chemistry)  3. Story on canvas, Painting/ sketching competition  4. Crack the Puzzle Mathematics Day  4. Dr.Suma (Mathematics)  4. Dr.Suma (Mathematics)  5. Science Fest — Science Day	EDAP	Dr. Sreekanth R.	Virtuoso	The event enables students to get the expertise and knowledge about designing tools and enhance their creative thinking ability.
Pavithra S  The Story telling competition  2. Excelsior on 5th and 7th October 2020  Basic Science  1. BSH CLUBS INDUCTION  2. Dr. Padmapriya(Mathematics)  2. Impromptive English Extempore  3. Dr.Piyushi Padmapriya(Mathematics)  Naughtiyal(Chemistry)  Acumen Story telling competition  2. To understand the concept of design Thinking  Thinking  Students were explored to exhibit their hidden ideas and Knowledge.  4. Crack the Puzzle Mathematics Day  5. Science Fest —  Mathematics Day  5. Science Fest —	B.	MBA		
Basic Science  1.Dr.B. Rohini (Physics)  2. Excessior off 3 and 7th October 2020  1. BSH CLUBS INDUCTION  2.Dr. Padmapriya(Mathematics)  2. Excessior off 3 and 7th October 2020  1. BSH CLUBS INDUCTION  2. IMPROMPTU: ENGLISH EXTEMPORE  3. Story on canvas, Painting/ sketching competition  Naughtiyal(Chemistry)  3. Dr.Piyushi Naughtiyal(Chemistry)  4. Crack the Puzzle—Mathematics Day  5. Science Fest—  1. BSH CLUBS INDUCTION  4. Crack the Puzzle—Mathematics Day  5. Science Fest—			7-100.000.000.000.000.000.000.000.000.000	understand the power
Basic Science  1. Dr.B. Rohini (Physics)  2. IMPROMPTU: ENGLISH EXTEMPORE  3. Dr.Piyushi Naughtiyal(Chemistry)  Naughtiyal(Chemistry)  4. Crack the Puzzle Mathematics Day  5. Science Fest  1. BSH CLUBS INDUCTION  2. IMPROMPTU: ENGLISH EXTEMPORE explored to exhibit their hidden ideas and Knowledge.	cumen	Pavithra S		concept of design
1. BSH CLUBS INDUCTION  2.Dr.  2.Dr.  Padmapriya(Mathematics)  3. Dr.Piyushi Naughtiyal(Chemistry)  Naughtiyal(Chemistry)  A.Crack the Puzzle – Mathematics Day  5. Science Fest –  1. BSH CLUBS INDUCTION  2.IMPROMPTU: ENGLISH EXTEMPORE  3. Students were explored to exhibit their hidden ideas and Knowledge.	Club	Rasic Sc	ience	
2.Dr. Padmapriya(Mathematics)  Students were explored to exhibit their hidden ideas and Knowledge.  2.Dr. Padmapriya(Mathematics)  3. Story on canvas, Painting/ sketching competition  Naughtiyal(Chemistry)  4.Crack the Puzzle – Mathematics Day  5. Science Fest –			1. BSH CLUBS INDUCTION	
Genesis & 3. Dr.Piyushi Naughtiyal(Chemistry) Naughtiyal(Chemistry)  4. Crack the Puzzle – Mathematics Day  5. Science Fest –  their hidden ideas and Knowledge.		- D-	ENGLISH EXTEMPORE	
horizon  A. Crack the Puzzle –  Mathematics Day  5. Science Fest –	Genesis &	n Pinnshi	Painting/ sketching competition	their hidden ideas an
4. Dr. Suma (Mathematics)  5. Science Fest – Science Day			Mathematics Day	
		4. Dr. Suma (Mathematics)		

Report on Extra Curricular Activities

## Extra Curricular Clubs

# List of Activities conducted for the year 2021-22

60	Date	Event Name	rear 2021-22		
No		POD (Photography, Paint	Venue	Organized by	
1	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	
5	20.03.2022	Art Club Auditions	Online	Art Club	
10	19.03.2022	Digital Poster Making Competition	Online	Media Club	
3	18.03.2022	Drama Club Auditions	Dance Studio, Chhatrapati Shivaji block	Drama Club	
)	12.03.2022	Fashion Team Auditions	Auditorium	Fashion Club	
0	12.03.2022	Dance Club Auditions	Dance Studio, Chhatrapati Shivaji block	Dance Club	
1	08.03. 2022	International Women's Day	Auditorium	NHCE	
2	26.02.2022	Inauguration of Dance Studio	Chhatrapathi Shivaji Block	NHCE	

			(lower Level)	
			Online	Leo Club
-	13 15.01.2022 4 10.01.2022	Drug Awareness Session  Tribal Community Donation Camp	NHCE Campus	NSS & Rotaract Club
	13.01.2022		Falconry Seminar Hall	Drama Club
1:	5 27.12.2021	Three Muskeeters	Umbrella Canteen	Literary & Socio- Political Club
16	6 22.12.2021	Chai PeCharcha	All the class rooms	Extra-Curricular Clubs
17	7 20.12.2021	Clean Campus Campaign	NHCE Open Stage	Rotaract Club
18	16.12.2021	Vijay Diwas	NHCE Campus	Fitness Club
19	08.12.2021 25.11.2021	Spartan Race 2.0  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 <sup>th</sup> Kannada Rajyotsava	Auditorium	NHCE
24	18.11.2021	Rangitaranga (Paining Competition)	Reading Hall (Digital Library)	NSS Club & An Club
5	18.11.2021	NIDHI BETE (Treasure Hunt)	College Campus	NSS Club
6	17.11.2021	Photography Work Shop - A Camera friendly workshop for all camera enthusiasts	Falconry Seminar Hall	Photo & Film Club

	Blood Donation Camp	NHCE Campus	Rotary Bangalore Lakeside Club
1.2021	Quadroccia Event – Face painting & Ramp walk competition	NHCE Main Stage & Umbrella canteen	Art Club & Fashion Club
-	Diwali Celebration 2021	NHCE campus	NHCE
0.2021	Amrutha Mahotsava-75 Clean India: Step towards reducing plastic footprint	NHCE	NSS club
0.2021	World Polio Day	Samsung opera house, Brigade Road, Blore	Bangalore Rotar Lake side Club
0.2021	Reel Making, Short Movie Making, and Short Region Competition for students	Online	NHCE
0.2021	Short Movie Making, and Poster Design Competition for students NHMUN 21	MBA Class room	Literary club & Media club
10.2021 10.2021	World Mental Health Day	Open stage	Drama Club
10.2021		Auditorium	NHCE
10.2021	Investiture Ceremony for Extracurricular clubs  Mansion Charitable	Doddanakundi	Leo club
10.2021	Visit to Madhu Mansion Charitable Trust which is an orphanage with 38 girls and 3 Boys in Doddanakundi.	Online (through NHCE official	NHCE
08.2022	Online Photography Con-	NHCE office Instagram Page NHCE campus	NHCE
08.2021	Experience New Horizon with a Twist	NHCE campus	Nnes
.08.21	Independence Day		

## 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 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-cesteem 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 competiting	
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	

Report on Alumni Association Activities

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## 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) 1NH16MCA38 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	https://newhorizonindia.edu/nhengineering/i nformation-science-engineering/alumni-talk- 3/
4	МСА	30.04.2022	Alumni Talk:Make use of AWS S3 and CLoudfront services		https://docs.google.com/document/d/1vtK46 vDPOLV_DMb9uyM2AYGIXz8TqUju/edi ?usp=sharing&ouid=110739087374010600 508&rtpof=true&sd=true

			Alumni Talk on "VLSI-	Naveen K H (2015-2019 Batch),Physical	Control of the Landson
5	ECE	29.04.2022	IC Design Flow and Timing Analysis"	design engineer, Soctronics Pvt Ltd.	CONTRACTOR OF THE CONTRACTOR O
6	MCA	27.04.2022	Expert Talk : Splunk Tool for Big data Analytics	Anitha Cheruvu, Batch(2008- 2011), Assistant Consultant, Sr. Engineer Lead, TCS, Bangalore.	https://docs.google.com/document/d/1tiud/dCyg3BfPGR1NO4qPHorfO-9LTuR/edit?usp=sharing&ouid=1107390/374010600508&rtpof=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/11wcU1ZKn72YKiHa2Zu0MSXuqPbpBab/e?usp=sharing&ouid=1107390873740106508&rtpof=true&sd=true
8	Aumni Association	25.04.2022	Alumni Talk on "SOCIAL MEDIA MARKETING"	Mr. Sijo Mathew Varghese, Founder, Overnight Creatives Pvt. Ltd.	ALUMNI WEBINAR SERIES Social Media Marketing  25,04,2022  © 3,30 PM  Mr. Allo Marketing  Mr. Mr. Allo Marketing  Mr. Mr. Allo Marketing  Mr.
9	AUT	23.04.2022	Adversities and Market	AKARSH R, 1NH13AU063, Research and Business Analyst, IBM, Ph.No.: +91- 9844984967, akarshkashyap07@gmail.com	https://newhorizonindia.edu/nhengineeri automobile-engineering/alumni-talk-on- overcoming-adversities-and-market-anal by-mr-akarshkashyap-research-and-busi 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	A WALL THE CONTROL OF THE PARTY
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/1817Fr RGXSiUUzJ9NvGAWMpfYOHAIGXWX/ edit?usp=sharing&ouid=110739087374010 600508&rtpof=true&sd=true
13	MCA	30.03.2022	Alumni Talk : Effective Time Management	Mr. Santhosh Naik Batch(2010-2013) 1NH10MCA59 Corporate Trainer, Naik Entertainments. 9972213754,officialssanthoshnaik@gmail.com	https://docs.google.com/document/d/1riuqQ dCyg3BfPGR1NO4qPHorfO- 9LTuR/edit?usp=sharing&ouid=110739087 374010600508&rtpof=true&sd=true
14	Aumni Association	26.03.2022	Alumni Entrepreneur Mee 2022	Dr. Anitha S Rai, Dean-Library & Alumni Relations and Alumni Association Committee Members	ALUMINI ENTREPRENEUR MEET
15	Aumni Association	25.03.2022	Movie in Campus – "NIRVIKALPA"	Mr. Puneeth S, (1NH17EE736), Uthkrishta Films, Media Production, 9964616818 puneethiyer@gmail.com	VILKARIAN AND AND AND AND AND AND AND AND AND A
16	MBA	12.03.2022	Alumni Talk	Ms. Sonali Kathare, Senior Financial Analyst, Goldman Sachs,	https://newhorizonindia.edu/nhengineerin mba/alumni-talk-on-career-planning/

17	Aumni Association	0	MOTIVATIONAL &	Mr. Vaibhav Vijay, Regional Marketing Manager, Daimler India Commercial Vehicles Pvt. Ltd (Mercedes Benz)	ALUMANI ASSOCIATION ALUMANI WESTINAR SERIES  MONTHUMENTO
18	Aumni Association		Alumni Talk on "POWER OF NETWORKING"	Mr. Nihar Moodi, Founder and Music Composer, Pineapple Productions, Bangalore	Mr. Nihar Moodi
19	Aumni 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	AND STYR DURINGS  CONTROL OF A SECURIORA  SECURIORA PROPERTY STREET  STREET CONTROL  CONTROL CONTROL  CONTROL CONTROL  C
20	Aumni Association	19.02.2022	Alumni Talk on "EFFECTIVE LISTENING IS MORE IMPORTANT THAN TALKING"	Mr. Vinay Kumar, Sr. Analyst, Shopee India	ALUMNI ASSOCIATION ALUMNI WEBINAR SERIES  Topics Effective fistening 1000 August 1000 Augu

21	Aumni Association			ieutenant Commander Jagannath G, Indian Navy (Batch 2009-2013)	ALLEGATION AND ESPECIAL AND STATE OF THE STA
22	Aumni Association	29.01.2022	TO BECOME A JOB		https://us06web.zoom.us/y867962950627p wd=R09pOWp3bjZLcmYxZ2FjUG9zVUV Kdz09
23	Aumni Association	29.01.2022		Mr. Mohd Anas, Associate, PwC	https://us06web.zoom.us/j/813591046757p wd=a3FPS3hDY09WRFdUYy9GOHNqNV hGZz09
24	ECE	17.01.2022	Alumni Talk on "Placement Opportunities in Core Companies"	Naveen K H (2015-2019 Batch), Physical design engineer, Soctronics Pvt Ltd.	https://drive.google.com/drive/folders/1hR- 21OYuyofDgRYeNKiTA-pR7Pp2nZGb
25	MCA	13.01.2022	Alumni Talk : Advanced Android App Deployment	Mr. Vijay S Batch(2010-2013), 1NZ10MCA49, Senior Software Engineer, Volvo Group India Pvt Ltd, 9035290115.vdudu45@gmail.com	https://newhorizonindia.edu/nhengineering/ mca/alumni-talk-on-advanced-android- application-deployment/
26	ME	03.01.2022	Job or Entrepreneur	Narasimha Naidu, 1NH12ME734, Entrepreneur, STEM Edutech India Pvt. Ltd., abburinaveen093@gmail.com, +91 78160 90078	
27	CV	29.12.2021	ALUMNI TALK	E RAKESH KUMAR (2012-2016) PROJECT COORDINATOR WITH JACOB BROS CONSTRUCTIO rakesh.elango94@gmail.com	Control the best of the Civil and the second of the state of the Civil and the second of the state of the Civil and the second of the state of the control of the second of the state of the control of the second of the state of the stat
28	MCA	21.12.202	Expert talk:Computer Vision	Mr. Rishab Kumar,Batch (2018- 2021),Software Engineer,Telaverge Communication ,Bangalore.	https://docs.google.com/document/d/1cYc9 yD- wTAaca_ofeJ_j5ZgVXXrYI0m7/edit?usp= sharing&ouid=110739087374010600508&r tpof=true&sd=true

29	MBA	17.12.2021		Prione Business Services Pvt Ltd.,	https://newhorizonindia.edu/nhengineering/ hba/alumni-talk-on-skills-for-future- workforce/
30	ISE	13.12.2021	"AGILE SCRUM"	Mr.Prashant V,1NH12IS081,Software	https://newhorizonindia.edu/nhengineering/i nformation-science-engineering/alumni-talk-
31	cv	01.12.2021		CHRISTO JEO JOSE (2016-2020) Partner at JJ construction council member of MABP christonhce@gmail.com	CONTRACTOR OF THE PROPERTY OF
32	MCA	27.11.2021	Expert talk: Exploring Data Structures & Algorithms using Kotlin	Sneha Vajjaramati, 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	Development Program Pritt	thvi Home products, 9980574422 enuse	prenewahip development programs  a.//newhorizonindia.edu/nhengineermg/
35	MBA	20.11.2021	Em 988	mst & Young - Global Delivery Services, mba	a/my-story-reflecting-on-corporate-
36	CV	19.11.2021	TH	TEHA JACOB (2015-2019)  HREE DIMENSIONAL DESIGNER  N BIM DEPARTMENT ATKINS  nehajakes@ gmail.com	VALUE OF THE PROPERTY OF THE PARTY OF THE PA
37	MCA	15.11.2021	training	Batch(2016-2019) 1NH16MCA38 Senior Software, Cerner 9972436435. yasin.quaarc@gmail.com	https://newhorizonindia.edu/nhengineering/ mca/report-on-hands-on-placement-training- on-acquiring-coding-skills-using-oop/
38	CSE	12-11-2021	and Industry Needs	Senior Software Engineer, Accolite Digital, 91 85488 82079, chsaishankar96@gmail.com	department-of-computer-science- engineering/placement-and-industry-needs/
39	ECE	08.11.202	Alumni Talk on "Demystifying Business Intelligence"	Mr.Anoop V K (2002-2006 Batch), BI consultant, Founder at PublicBI UG, Munich and Author of Business Intelligen Demystified Book	https://drive.google.com/drive/folders/1hR- 21OYuyofDgRYeNKiTA-pR7Pp2nZGb
40	EEE	01.11.202	Webinar on"The journey from college to corporate		https://newhorizonindia.edu/nhengineering/ department-of-electrical-and-electronics- engineering/department-of-eee-organized- online-alumni-talk-on-the-journey-from- college-to-corporate/
41	CSE	28.10.20		Mr. Prabhat Kumar Prasad, 1NH14CS Start 2014-2018, Co-Founder Organisation: Marmeto (earlier know Tatynerds), 91 77956 75373, hatprab@gmail.com	department-of-computer-science-
42	ISE	23.10.20	Expert talk on "Data Analytics in Cloud"	Mr. Satish Raj,1NH14IS103,Data Ar ,Amazon,satishrajsr2017@gmail.com 685324	

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Report on Entrepreneurship Development Cell & Incubation Cell Activities

### Entrepreneurship Development Cell / ED Club

### List of Events Organised in 2021-2022

-	Name Of the Event	Date Of Event
	IGNIA	24.02.2021
	3rd world Entrepreneurship Summit	27.02.2021
	E week Udhyam	27.02.2021 21.06.2021 23.06.2021
	Expert Talk on Funding Opportunity for start-up	30.06.21
	World Entrepreneurs Day	21.08.2021-23.08.21
	Entrepreneurship Awareness Program	21.09.2021
	Entrepreneurship Awareness Program	25.11.2021
	Skill Development Program -Rampur Government / Private School	30.11.2021
	Logo Making Competition	17.12.2021
	Idea Hackathon	24.12.2021
	UDAAN- Launch	1.02.2022
	4th world Entrepreneurship Summit	26.02.2022
	Talk on What, How and Where of Patent	12.03.2022
	MOU- Signing COWE	21.03.2022
	UDAAN-Knowledge Series - "What It Takes To Be A Successful Entrepreneur"- Ms. Payal Nanjiani	13.05.2022
	UDAAN-Knowledge Series- Business and Innovation, Brainstorming Session – Madhav Bissa	13.05.2022
-	UDAAN- Mentoring Session - Connect	13.05.2022

Report on Students Achievements

mber mber	ular Activities Student Name	Section	Event Date	Event Name	Organized By	Secured Prize
mbc.	JAYAVIBHAV NK	A	19/11/21	TECHNOPHILIA	CSE	1st Prize
H20/A1079	DDASANNA L	В	17/11/21	Code-O-Fiesta	ISE	2nd Prize
1 1 1 1 1	NISCHITH L	В	12/11/21	Hatch Pitch	CSE	3rd Prize
H20AI079	PRASANNA L	В	19/11/21	Ro-Boot	месн	2nd Prize
	JAYAVIBHAV N K	A	24/12/21	Idea Hackathon	MBA	I Place
120EE074	NEHA DARAWAN	В	24/12/21	Idea Hackathon	MBA	III Place
120AI121	YASH TYAGI	В	24/12/21	Idea Hackathon	мва	VI Place
120AI089	ROHAN S SIDDESHWARA	B	24/12/21	Idea Hackathon	мва	IX Place
J20A1034	JAYASHREE M GADWAL	Ā		THE PERSON NAMED IN COLUMN 2 IN COLUMN 2	RV College	Paper
20AI048	KEERTHANA N		17/5/2022	D.P.	of Engineering	Presentation
20A1049	KODIDALA VAMSHIVARDHAN			Smart Circs		

1NH20A1049	KODIDALA VAMSHIVARDHAN					
1NH20A1100	SOORYENDHU PRAMODH	D	17/5/2022	National Conference on "Digital Technologies for Smart Cities"	RV College of Engineering	Procentar
1NH20AI119	VIGNESH PRABHU N	B				

### Sports

USN Number	Student Name	Section	Event Date	Event Name	Organized By	Secured Prize
INH20AI105	SYED ROSHAN	В	16/12/21	State Championship – Judo	VTU	Silver
NH20EE099	SHABHAVI DWIVEDI	В	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
1NH20AI047	KAVYA SIVAKUMAR	A	2021	Dance Vs Dance	Colors Tamil	2 <sup>nd</sup> Runner Up
1NH20AI074	PALLAVI SHARMA	В	2021	Reels making	NHCE	Winner

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

#### 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 STUDEN TS	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

NO NAME OF THE	CONDUCTED
CLUB	Webinar on Renewable and non renewable Energy Conservation and pollution control
Prakruthi club	PSITHURISM – Green Voyage
Prakruthi club Avishkar club	One day Workshop "Civilers"
Avishkar club	Webings on Sustainability - New Key Driver of Innovation
Avishkar club	Webinar on Significant Career advantage through deep -technical Skills & Civil
AVISIKAI CIAC	EngineeringManagerial 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
	Investigation on Energy Efficiency in Green Buildings using BIM Concepts	Rs 6000/-
	Investigation of the Hardened Properties of Concrete using Echo Friendly Material Of Coconut	Rs 6000/-
1	Shell	1

Department of Electrical & Electronics Engineering Student Achievements for Academic Year 2021-22

Name of the USN Student		Name of the Award	Awarding Agency	Date	
Mr. Dheeresh Vijay Devadiga	1NH21EE402	III Prize National Level Project Exhibition (NLPE) – 2022	National Level Project Exhibition	27/4/2022	
Mr. Nischal	1NH18EE039	IEEE-PELS Chapter Outstanding Volunteer Award	IEEE PELS Bangalore Chapter, Bengaluru	29.01.2022	
Mr. Rohith Kumar	1NH19EE066	Wrestling - Gold Medal	VTU State level	16th & 17th December 2021	
Mr. VINITH G A	1NH17EE756	Best Projects of the Year Award with a	44th Series of Student Project Programme: 2020-21, Karnataka	15.09.2021	
Ms.Pragathi Prakash	1NH17EE733	Cash prize of Rs	State Council for Science & Technology,	13.07.202	
Ms. Meghana I L Ms. Divya S V	1NH17EE724 1NH17EE713	The state of the s	IISC, Bengaluru		

#### 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
	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

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

### STUDENTS ACHIEVEMENT DETAILS (INSIDE CAMPUS)

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

## EXTERNAL PARTICIPATION OF STUDENTS

100		CSN NO.		Name of the Student	137/00/10/10/10/00/00/00/00/00/00/00/00/00/		Venue	
	1. V/		1NH19EC70	Bhoomika P.	Awarded for participating in the E-Quiz on "Energy Generation and Environmental Conservation	29/04/2021	Jansons Institute of Technology, Coimbatore	
2	Hart .	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	Aryabhatta National Maths Competition 2021	06/08/2021	All India Council for Technical Skill Development	
4.	V/A			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		NH19EC010	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	11	NH18EC071	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	11	NH18EC110	Suraj Suresh	Awarded First place in CoVigilance 2021- Pan India Student contest.	02-10-2021	Pan India Student Contest, IIT- KGP	
8.	V/C	1N	H19EC715	G. SyamSundar	Awarded Second place in the Hackathon titled " Hack- a- League"	27/11/2021	Global Academy of Technology, Bangalore	
0.	V/C	1N	H19EC131	Trisha	Awarded Second place in the Hackathon titled "Hack- a- League"	27/11/2021	Global Academy of Technology, Bangalore	

1	V/C	1NH19EC757	Vishwas	Awarded Second place in the Hackathon titled "Hack- a- League"	27/11/2021	Global Academy of Technology, Bangalore
I.	VII/B	1NH18EC071	Melita Rose G	Awarded First place in CoVigilance 2021- Pan India Student contest.	02/10/2021	IEEE, APS and MTT-S
2	VII/B	1NH18EC110	Suraj Suresh	Awarded First place in CoVigilance 2021- Pan India Student contest	02/10/2021	IEEE, APS and MTT-S
3.	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

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### 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 1<sup>st</sup> position for presenting short filmin a contest organized at New Horizon College of Engineering as part of the Diwali Celebration '21 on 27<sup>th</sup> October 2021. The film is available on the link https://youtube.com/watch?v=jYLQk9iKsNs&feature=share.
- 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 19<sup>th</sup> 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.
- Madhu S. Jyotibannada, of Batch 2020-22 bagged 1<sup>st</sup> position in Badminton Open Tournament, Bengaluru, held on 14<sup>th</sup> November 2021.
- 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.
- 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 07<sup>th</sup> 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 11<sup>th</sup> 13<sup>th</sup> February 2022. The paper is Scopus Indexed published with doi: 10.1109/DELCON54057.2022.9753286.
- 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 11<sup>th</sup> 13<sup>th</sup> 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 11<sup>th</sup> 13<sup>th</sup> 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 11<sup>th</sup> 13<sup>th</sup> 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 45<sup>th</sup> 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.

### 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, 202	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

### 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 .	USN	NAME	EVENT TYPE	EVENT NAME	PLACE OF CONDUCT	DATE	REMARK
1	1NH19CS253	YASHIKA PATHY	TECHNICAL	SNAP CODE	NHCE	30-DEC-2021	PARTICIPATE D
2	1NH20CS202	SHAZIB JAVAID WANI	TECHNICAL	JEOPARDY	NHCE	21-OCT-2021	2 <sup>ND</sup> PLACE
3	1NH20CS261	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	1NH19CS120	VAHNITHA	SPORTS (BASKETBALL)	VTU INTERZONE TOURNAMENT	BMSCE	17-DEC-2021	PARTICIPATE D
2	1NH19CS120	VAHNITHA	SPORTS (BASKETBALL)	NATIONAL SPORTS FEST INFI PES	PES UNIVERSITY	04-DEC-2021	PARTICIPATE D
3	1NH18CS211	FARAHAN MAQBOOL	SPORTS (CRICKET)	NATIONAL SPORTS FEST INFI PES	PES UNIVERSITY	04-DEC-2021	PARTICIPATE D
4	1NH19CS104	MOHAMMAD AINAIN	SPORTS (CRICKET)	NATIONAL SPORTS FEST INFI PES	PES UNIVERSITY	04-DEC-2021	PARTICIPATE D
5	1NH19CS034	C ASHWINI REDDY	SPORTS (CRICKET)	NATIONAL SPORTS FEST INFI PES	PES UNIVERSITY	04-DEC-2021	PARTICIPATE D
6	1NH20CS28	SHREYABA P GOHIL	SPORTS (BASKETBALL)	NATIONAL SPORTS FEST INFI PES	PES UNIVERSITY	04-DEC-2021	PARTICIPATI D
1	7 INH20CS26	ANUSHKA DHARAN	SPORTS (BASKETBALL)	NATIONAL SPORTS FEST INFI PES	PES UNIVERSITY	04-DEC-2021	PARTICIPATE D
F		- Lamited	SPORTS	VTU INTERZONE	NMIT	09-DEC-20	21 ATHPLAC

,	INH18CS186	STUTI	(VOLLEY BALL)	TOURNAMENT	NMIT	09-DEC-2021	4TH PLACE
0	1NH18CS186	STUTI	SPORTS (VOLLEY BALL)	VTU BANGALORE ZONE TOURNAMENT	NMIT	29- DEC-2021	2 <sup>ND</sup> PLACE
11	1NH18CS186	STUTI	SPORTS (VOLLEY BALL)	SOUTH ZONE INTER UNIVERSITY VOLLEYBALL	SRM UNIVERSITY CHENNAI	13- DEC-2021	PARTICIPATE D
12	1NH20CS261	ANUSHKA DHARAN	SPORTS (BASKETBALL)	VTU INTERZONE TOURNAMENT	BMSCE	17-DEC-2021	4TH PLACE
	INH20CS27	PAVAN KUMAR	SPORTS (KABADDI)	VTU INTERZONE TOURNAMENT	DR. TTIT KGF	16-DEC-2021	3 <sup>RD</sup> PLACE
13	1NH20CS27	9 PAVAN KUMAR	SPORTS (KABADDI)	VTU INTERCOLLEGIATE ZONE TOURNAMENT	HKBK BANGALORE	16-DEC-2021	I <sup>ST</sup> PLACE
1	1NH18CS0	76 IMRAN KHAN A	CULTURAL	YUVARATHNA	CHANNARAYA PATNA	12 <sup>TH</sup> JUN-2021	PARTICIPATE D

### DEPARTMENT OF COMPUTER ENGINEERING LIST OF STUDENTS ACHIVEMENTS

0	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 <sup>nd</sup> Place
2	P Sai Kiran	1NH20CE064	Ш	New Horizon Idea Hackathon 2021	NHCE	23 <sup>rd</sup> and 24 <sup>th</sup> Dec2021	3 <sup>rd</sup> 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	2 IV	COURSERA (Machine Learning with Python)	IBM	16 March 2022	Course Completed